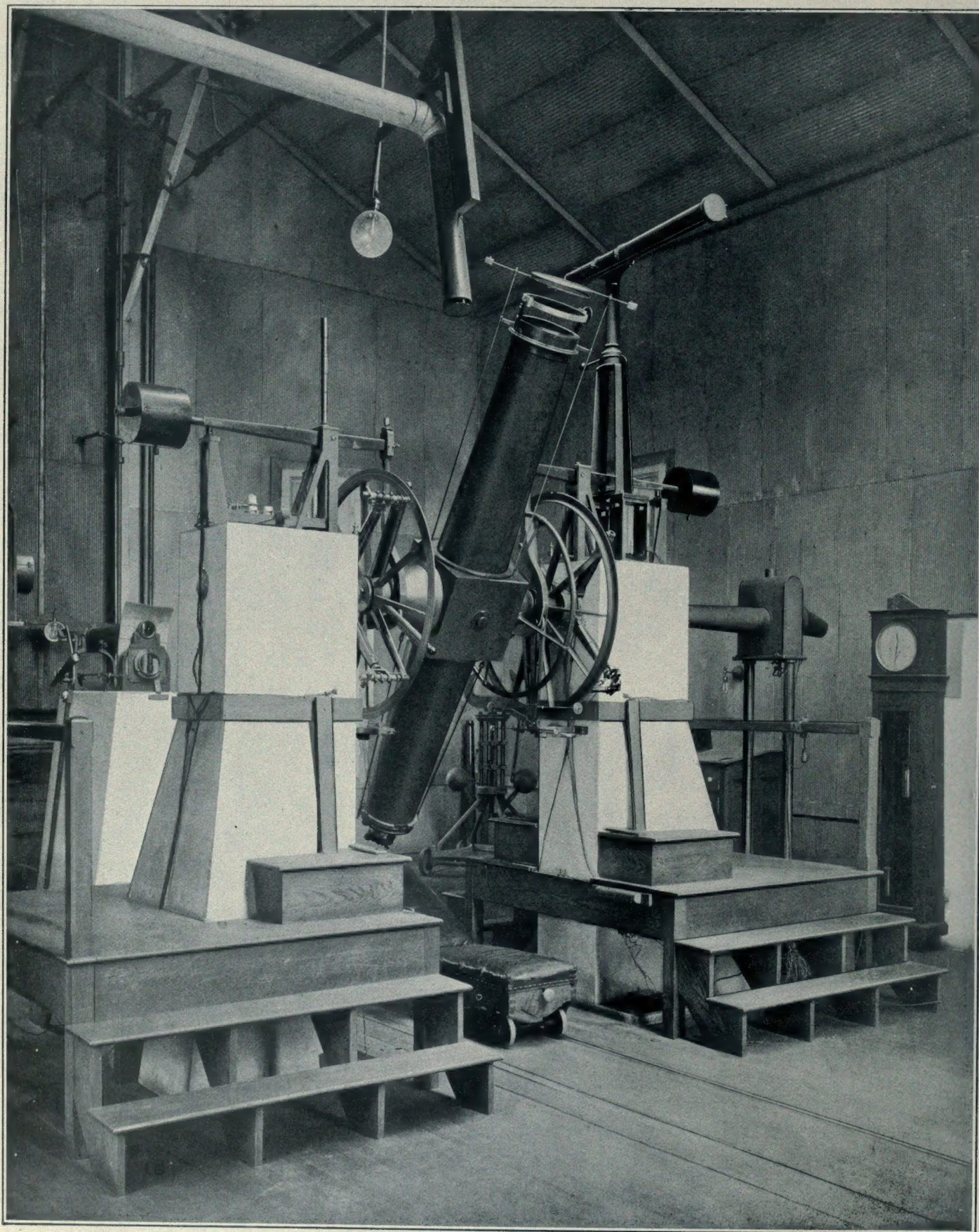


add much ref. to
to U.S. Naval Obs.

Physical &
Applied Sci.
Serials



THE 9-INCH TRANSIT CIRCLE WITH ACCESSORIES, VIEWED FROM THE SOUTHWEST.

P
Astron.
U.S.

PUBLICATIONS
OF THE
UNITED STATES NAVAL OBSERVATORY.

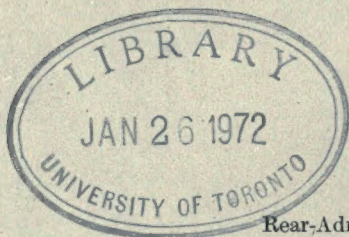
SECOND SERIES.

VOLUME IX.
IN FOUR PARTS, WITH APPENDIX.
PART I.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1920.



161854
1615/21



U. S. NAVAL OBSERVATORY.

Rear-Admiral T. B. HOWARD, *U. S. N., Retired, Superintendent.*

ASTRONOMICAL COUNCIL.

Rear-Admiral T. B. HOWARD, <i>U. S. N.</i>	Prof. A. HALL, <i>U. S. N.</i>
Commander J. S. DODDRIDGE, <i>U. S. N.</i>	Astronomer J. C. HAMMOND.
Prof. W. S. EICHELBERGER, <i>U. S. N.</i>	Assistant Astronomer G. A. HILL.
Prof. F. B. LITTELL, <i>U. S. N.</i>	Assistant Astronomer H. R. MORGAN.

DEPARTMENT OF ASTRONOMICAL OBSERVATIONS.

REDUCTION OF NINE-INCH TRANSIT CIRCLE OBSERVATIONS, 1903-1911.

Prof. WILLIAM S. EICHELBERGER, *U. S. N., in charge.*

DIVISION OF PHOTOGRAPHIC ZENITH TUBE AND ALT-AZIMUTH.

Prof. FRANK B. LITTELL, *U. S. N., in charge.*
Assistant Astronomer GEORGE A. HILL.
Assistant WILLIAM A. CONRAD.

DIVISION OF EQUATORIALS.

Prof. ASAPH HALL, *U. S. N., in charge.*
Assistant Astronomer GEORGE H. PETERS.
ASSISTANTS.

HARRY E. BURTON. ERNEST CLARE BOWER.

DIVISION OF SIX-INCH TRANSIT CIRCLE.

Astronomer JOHN C. HAMMOND, *in charge.*
ASSISTANTS.

MATT FREDERICKSON. CHARLES CLAYTON WYLIE.

DIVISION OF PRIME VERTICAL TRANSIT INSTRUMENT.

Assistant Astronomer GEORGE A. HILL, *in charge.*

DIVISION OF NINE-INCH TRANSIT CIRCLE.

Assistant Astronomer HERBERT R. MORGAN, *in charge.*
ASSISTANTS.

JESSE PAWLING. PAUL SOLLENBERGER.

DIVISION OF REDUCTION OF OBSERVATIONS.

EXECUTIVE COMMITTEE, *in charge.*
ASSISTANT.

ELEANOR A. LAMSON.

MISCELLANEOUS COMPUTERS

WILLIAM KATZ. GEORGE M. RAYNSFORD.

November, 1917.

PREFACE.

After the preparation of the printer's copy was finished the volume was referred to the executive committee of the council for approval. All proofs beyond the first have been read only to insure insertion of the corrections desired, except that in the plate proof the final results have been read entire.

NOVEMBER, 1917.

T. B. HOWARD,
Rear Admiral, U. S. N., Superintendent.

RESULTS OF OBSERVATIONS
WITH THE
NINE-INCH TRANSIT CIRCLE,
1903-1911.

REDUCED UNDER THE DIRECTION OF
W. S. EICHELBERGER.

DISCUSSED BY
W. S. EICHELBERGER AND H. R. MORGAN.

TABLE OF CONTENTS.

	Page.
INTRODUCTION.....	A vii
Personnel.....	A vii
Buildings.....	A ix
East transit circle house—Thermometer shelter—Sunshade—Meridian mark houses—Clock vault.	
Transit Circle and Accessories.....	A xi
Nine-inch transit circle—Telescope micrometer—Circle B—Microscopes—Screens—Field illumination—Sun cap—Nadir basin—Reflection basin—Barometer and thermometer—Collimators—Meridian marks—Chronograph—The standard sidereal clock—Axial microscope—Personal equation machine.	
Routine of Observing.....	A xvii
RIGHT ASCENSIONS.....	A xix
Hanging level—Right ascension micrometer screw—Thread intervals.	
The Form of the Pivots.....	A xix
Spherometer caliper measures—Axial collimator measures—Axial microscope measures.	
Instrumental constants.....	A xxiv
Reduction to meridian—Collimation constant—Level constant—Azimuth constant—Interpolated values of the constants.	
Variations of the Instrumental Constants with Changes of Temperature.....	A xxvii
The Azimuths of the Marks.....	A xxx
Clock Corrections and Rates.....	A xxxv
Preliminary clock corrections—Relative personal equation of the observers—Preliminary adopted clock corrections—Clock corrections for Sun, Moon, and Planets—Variation of rate of clock during twenty-four hours—Definitive clock rates—Variation of the clock correction with the declination of the star—Definitive clock system—Definitive clock corrections.	
Reduction to Mean Place.....	A lvi
Corrections to the Ephemeris Places.....	A lvi
Personal Equation in Right Ascension.....	A lvi
Results with the personal equation machine—Relative personal equation from azimuth star observations—Preliminary personal equation for azimuth stars—Definitive personal equation for eye and ear stars—Relative personal equation in right ascension for stars culminating south of the zenith—Discontinuity in right ascension in passing the zenith—Definitive personal equation in right ascension for stars observed chronographically culminating north of the zenith—Personal equation depending on star magnitude.	
Reduction to 1900.0.....	A lxxvi
Clamp West minus Clamp East.....	A lxxvii
Discordant Observations.....	A lxxviii
Probable error of an Observation.....	A lxxix
Upper Culmination minus Lower Culmination.....	A lxxx
Day Observations minus Night Observations.....	A lxxxiv
Comparison with Other Catalogues.....	A lxxxvii
DECLINATIONS.....	A xcii
Zenith distance micrometer screw—Inclination and distance of zenith distance threads—The error of runs—Reduction to meridian—Zenith point correction—Refraction—Latitude.	
Reduction to Mean Place.....	A xciv
Corrections to the Ephemeris Places.....	A xciv
Corrections for Division Error.....	A xciv
Corrections for division error, September, 1903, to June, 1905.	
Flexure.....	A c
Horizontal collimators—Vertical collimator—Circle and tube flexures—Observations direct and reflected.	
Variation of Latitude.....	A cxvi
Personal Equation in Declination.....	A cxvi
Differences in declination from observations of different observers—Bisection equation in zenith distance—Differences in declination from observations of different observers after applying bisection correction.	
Reduction to 1900.0.....	A cxixii
Clamp West minus Clamp East.....	A cxixiii
	A iii

INTRODUCTION.

On September 3, 1903, the work of observing was resumed on the 9-inch transit circle after the instrument had received a thorough overhauling.

From that date until October 26, 1906, the principal star work of the instrument was determining the positions of the stars contained in GILL's Zodiacal Catalogue of 2,798 Stars and in the Catalogue of Zodiacal Stars prepared by HENRY B. HEDRICK and published in the Astronomical Papers of the American Ephemeris, Volume VIII, Part III. During these three years four observations each were obtained of all the stars except about 100, for which only three observations were secured. The fourth observation for each of these stars was made during the following spring and summer.

During the first three years, when the instrument was not being used on the above program, observations were made of the stars of NEWCOMB's Suggested List of Fundamental Stars, Astronomical Papers of the American Ephemeris, Volume VIII, Part II, pages 91 to 122, and the number of observations of each star in this list, north of -35° declination, was, with a few exceptions, brought up to 10 during the period April 17, 1907, to April 30, 1909. From the latter date to April 11, 1911, when the series of observations under consideration was discontinued, the star work was confined almost entirely to observations of clock and azimuth stars.

During the entire period 1903 to 1911 the Sun, Moon, and planets were regularly observed and from time to time the positions of a few miscellaneous stars were determined at the request of various astronomers.

PERSONNEL.

These series of observations were made under the direct supervision of Prof. W. S. EICHELBERGER, U. S. Navy, from September 3, 1903, to September 30, 1908, and of Prof. F. B. LITTELL, U. S. Navy, from October 1, 1908, to April 11, 1911, assisted by the following observers: From September 5 to November 30, 1903, FRANK B. LITTELL, professor of mathematics, United States Navy; from September 5, 1903, to July 15, 1904, HERBERT L. RICE, assistant astronomer; from September 5, 1903, to October 11, 1906, WILLIAM M. BROWN, computer; from September 3, 1903, to September 25, 1906, EVERETT I. YOWELL, computer; from December 14, 1903, HERBERT R. MORGAN, computer to August 24, 1905, and assistant astronomer from April 17, 1907; from July 16 to October 8, 1904, ARTHUR B. TURNER, computer; from May 10, 1905, ASAPH HALL, computer to June 30, 1907, assistant from July 1, 1907, to February 26, 1908, professor of mathematics, United States Navy, from February 27 to March 16, 1908; from September 1, 1905, to July 29, 1906, BENJAMIN BOSS, computer; from September 4, 1906, JESSE PAWLING, computer to June 30, 1907, assistant from July 1, 1907, to June 30, 1908, computer from July 1, 1908; from March 17 to September 30, 1908, CHARLES W. FREDERICK, assistant. During this period Prof. AARON N. SKINNER, U. S. Navy, observed on four nights

(September 17 and 22, 1904, and April 17 and 18, 1905) to determine six star positions needed for his Washington Astronomische Gesellschaft Catalogue.

The number of observations made by each observer and the initial by which each is designated throughout the volume are given in the following table:

Number of Observations Made by, and Designation of, Each Observer.

Observer and Assistant.	Number of Observations.													Total.
	Designation.	Clock Stars.	Azimuth Stars.	Other Stars.	Sun.	Moon.	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	Neptune.	
Eichelberger and Yowell.....	Ei.-Y.	1,729	...	11,133	...	42	...	...	1	7	8	17	12	12,949
Eichelberger and Morgan.....	Ei.-M.	256	...	914	...	11	...	...	1	2	...	...	5	1,189
Eichelberger and Rice.....	Ei.-R.	24	...	145	...	1	...	...	...	...	...	...	2	172
Eichelberger and Pawling.....	Ei.-P.	66	...	356	...	...	...	...	...	...	...	...	...	422
Eichelberger.....	Ei.	10	...	2	...	5	...	...	...	...	...	...	...	17
Littell.....	L.	2,771	468	1,100	176	120	79	57	5	12	9	10	15	4,822
Rice.....	R.	544	49	542	53	31	16	29	...	2	2	1	1	1,270
Brown.....	Br.	1,695	232	2,017	150	98	48	94	14	7	5	6	12	4,378
Yowell.....	Y.	247	29	358	27	14	5	20	6	3	...	...	3	712
Morgan.....	M.	3,740	589	3,190	330	216	124	141	22	13	25	23	18	8,431
Morgan and Pawling.....	M.-P.	24	...	56	...	...	...	...	...	...	...	...	...	80
Turner.....	T.	83	8	106	13	9	4	9	...	3	1	...	...	236
Hall.....	Hl.	1,350	154	1,507	112	89	34	76	7	14	17	2	11	3,373
Hall and Morgan.....	Hl.-M.	8	...	28	...	...	...	...	...	...	...	...	...	36
Hall and Pawling.....	Hl.-P.	8	...	21	...	...	...	...	...	...	...	...	...	29
Boss.....	Bs.	517	78	910	45	35	13	32	...	4	3	...	3	1,640
Pawling.....	P.	4,137	579	2,863	252	270	135	148	15	20	25	14	23	8,481
Pawling and Morgan.....	P.-M.	22	...	62	...	...	...	...	...	...	...	...	...	84
Frederick.....	Fk.	410	28	552	35	22	11	21	...	...	2	7	...	1,088
Skinner.....	Sk.	7	...	16	...	...	...	...	...	...	...	...	...	23
Skinner and Brown.....	Sk.-Br.	1	...	4	...	...	...	...	...	...	...	...	...	5
Total.....		17,649	2,214	25,882	1,193	963	469	627	71	87	97	80	105	49,437

The reductions for the entire series of observations, 1903 to 1911, were under the direct supervision of Professor EICHELBERGER. In addition to the observers, a large number of computers, mostly for short periods, were engaged upon the reductions from time to time. Miss ELEANOR A. LAMSON and Miss ETTA M. EATON deserve special mention. There is hardly a single part of the reductions and discussions which has not been worked upon by one or both. Miss LAMSON has been connected with the work from its beginning to its final publication, and for the last few years has had supervisory charge of the computers engaged upon the work, and has had charge of checking the printer's copy and of the proof reading of the entire work. Miss EATON devoted the most of her time and energy from 1903 to



THE EAST TRANSIT CIRCLE HOUSE.

her death in 1915 to this work. Most of the printer's copy was prepared by her. She examined the entire mass of individual results for discordant observations and re-reduced such observations, searching for errors in recording and reducing.

BUILDINGS.

East transit circle house.—The 9-inch transit circle is mounted in the east transit circle house, the inside dimensions of which are 40 feet north and south, 30 feet east and west, 27 feet high at the eaves, and 34 feet at the ridge of the roof. The framework of the building, which is of iron resting on a heavy stone foundation, is sheathed and lined with corrugated sheet metal, leaving an air space of about 8 inches between the sheathing and the lining. There are, at the floor, louver work openings in the sheathing and shutters in the lining, and at the eaves, openings in both, for ventilation. The slit, extending along the ridge of the roof and down the north and south walls to within 4 feet 10 inches of the floor, is 3 feet 4 inches in width, and is closed by four pairs of double-hinged metal shutters, one pair in the north wall, one in the south wall, one in the northern portion of the roof, and one in the southern portion. The north and south pair of roof shutters meet 2 feet south of the zenith of the transit circle. At the north end of the room a horizontal shaft controls the opening and closing of the two north vertical shutters and a second horizontal shaft controls the opening and closing of the two north roof shutters. Two similar shafts at the south end of the room control the opening and closing of the south roof and vertical shutters. The roof is supported by bridge work extending from the north wall to the south wall on each side of the roof slit, and on this bridge work are mounted the roof shutters and their counterpoises.

The double wood floor is supported by heavy iron beams resting on the house foundation.

The thermometer shelter is mounted on the outside of the north wall, near the north vertical shutters, 10 feet above the ground. It has a double roof of boards with an air space between them, a single louver work bottom, and originally the three walls were of double louver work. In order to protect the shelter, which is 2 feet square and 2.75 feet high, from the direct rays of the Sun early in the morning and late in the evening during summer, a shed of single louver work was built over it in 1903. This shed, which is open on the north side, is 5 feet square and 6 feet high, with an air space of about a foot around the shelter. In April, 1904, the inside louver work of the shelter was removed and the north wall hinged so that it might be opened at night.

The sunshade.—Early in 1907 the use of the curtains that had been employed up to that time to prevent the Sun's rays from striking the axis and circles of the instrument during Sun observations was discontinued and a canvas sunshade, 4 feet wide and 43 feet long, was mounted to run on two parallel tracks, one on each side of and each at the same distance from the meridian. These tracks extend on the arc of a circle of 19 feet radius from the floor below the south shutter to the top shutter frame, at the zenith, and continue, horizontally, from the zenith nearly to the north wall. When not in use this shade is wound around a drum between the south collimator pier and the south wall. It is pulled up by winding on drums, between the north collimator pier and the north wall, two wire ropes stretched over pulleys along the track.

There is an 8-inch hole, near the middle of the curtain, through which to view the Sun, and a large size scale alongside of one of the tracks to facilitate the accurate setting of the shade before opening the shutters for the Sun observation. This shade, during the Sun observation, protects from the direct rays of the Sun both collimators, the transit circle, and the piers, only the object glass receiving the sunlight.

The north meridian mark house, built in 1896, is 10 feet square and 7 feet high on the inside, and has close double walls of matched lumber.

The south meridian mark house, built in 1903, is 8 feet east and west, 10 feet north and south, and 8 feet high on the inside, and has walls of double louver work. The floors and foundations of these mark houses surround, without touching, the mark piers and their foundations.

The clock vault is located in the basement of the west observers' room immediately adjoining the old clock house. It was suggested by Prof. S. J. BROWN, U. S. Navy, and built in 1901 under the supervision of Prof. MILTON UPDEGRAFF, U. S. Navy. The ground plan of the vault and basement is shown in Plate III, reproduced from the article by Assistant EDGAR D. TILLYER in *Popular Astronomy*, No. 172. As shown in this plan the entrance to the basement is through the wall of the foundation at the southeast corner. Before 1908, the basement was entered at the same southeast corner by a trapdoor and stairway from the room above. The room over the vault is heated in winter by steam heat. There has never been any trouble from dampness in the vault, which is nearly centrally located in the basement and consists of a room within a room. The outer room is about 10 feet square, with walls of brick 9 inches thick, a concrete floor 8 inches thick, and a double wooden ceiling filled with a layer of mineral wool 6 inches thick. The walls, floor, and ceiling of the inner room, about 8 feet square with a height of 7 feet, are entirely of wood. The walls of this inner vault are separated from those of the outer one by an air space of about 1 foot, while the floor and ceiling are separated from those of the outer vault by an airspace of a few inches. There is a door entering the outer vault from the basement and two doors, forming an air-lock, lead from the outer to the inner vault.

On the inner surface of the brick wall of the outer vault are mounted four hot-water pipes which run, at different heights, almost entirely around it, and which are connected with a gas water heater outside of the vault. The supply of gas is regulated by an electrically operated valve controlled by a thermostat placed in the air space between the north wall of the outer vault and the north wall of the inner vault.

At first the thermostat was of the well-known compound bar type, but as the annual range of temperature in the vault was about 5° , in December, 1908, it was replaced by a liquid thermostat constructed by Mr. TILLYER after consultation with Dr. F. A. WOLFF of the National Bureau of Standards. The principle of this thermostat is the use of a liquid, having a comparatively high coefficient of cubical expansion, to move a column of mercury into or away from contact with a platinum point. During the first five months after the installation of the new thermostat the range of temperature was somewhat less than 1° , just about the same as occurred during the same period the year previous with the compound bar type. It was then determined to introduce a thermostat and a heat source in the inner vault. This was done in May, 1909, the new thermostat being of the same pattern as the one installed a few months earlier, the heat source consisting of four electric lights of 4 candlepower each placed in a symmetrical manner on the ceiling of the inner vault and

provided with deep conical, metallic reflectors, throwing the radiant heat toward the floor and shielding the clocks from direct radiation. This thermostat turns the lights on and off between one and two thousands times a day. From the middle of June, 1909, to the middle of April, 1911, when the present series of observations was discontinued, on only four occasions has the temperature in the clock cases varied more than $0^{\circ}.1$ F. from the mean for the entire period. A full description of these new thermostats is given by Mr. TILLYER in *Popular Astronomy*, No. 172.

On the front face of each of three triangular brick piers is mounted one of RIEFLER's clocks in its sealed glass case. In each clock case a mercurial barometer, furnished by the maker, and an accurate thermometer are installed. A sensitive RICHARD thermograph rests on the top of a low brick pier, as indicated in Plate III, and several thermometers are located at different points both in the inner and outer vaults.

Since the summer of 1908, when a Division of the 6-inch Transit Circle was formed, the clocks and clock vault have been attached to that instrument.

TRANSIT CIRCLE AND ACCESSORIES.

The *9-inch transit circle* is the old Pistor & Martins transit circle reconstructed. As mounted at the old Observatory in 1865, it is fully described, with detail drawings, in the *Washington Observations for 1865*, Appendix I. Such changes as were made in the instrument during the period 1865 to 1891 are detailed in the *Washington Observations for 1892*, Appendix I. The instrument, however, retained practically its original form until dismounted in 1891 to be remounted at the new Observatory. A full account of the changes made at this time and in the seven or eight years following is contained in *Publications of the United States Naval Observatory*, Second Series, Volume I, pages VIII to X. In the fall of 1901 the instrument was turned over to the instrument maker, Mr. GEORGE N. SAEGMULLER, to whom was given a contract to make the following changes:

1. Provide central field illumination by a mirror adjustable in a small cell on the outer surface of the object glass.
2. Provide ball bearings for the counterpoise rollers and knife-edge fulcrums for the counterpoise levers.
3. Provide a lens for one pivot and a reticule glass plate for the other, with focal adjustment; also arrange mounting for an observing axial telescope.
4. Provide stronger spring for north collimator micrometer.
5. Reconstruct end spring for axis on west pier.
6. Provide and attach suitable mounting for individual electric lamps for each microscope.
7. Provide a new telescope micrometer with all the appliances of the old micrometer, the plane of the fixed threads to be between those of the two sets of movable threads.
8. Grind down the present pivots and shrink on homogeneous hard steel rings, so that the finished pivots shall be of ample strength and equal to the best pivots in use on any existing meridian instrument, provided that with the use of the new pivots the range of the difference between two opposite microscope readings for either circle shall be less than $12''$, the wyes of the instrument and of the hanging level being adapted to the new pivots.

There was some delay in completing these repairs due to the great difficulty experienced in getting steel rings which when shrunk on the old pivots would not on cooling and being polished develop cracks. The above-mentioned repairs, together with the refilling of the divisions of Circle B, were finished by the summer of 1903.

After a cleaning in June, 1905, the divisions of Circle B were in such a condition that they were refilled in August, and have been used continuously to the present time, over 10 years, although some of them are quite shallow.

In April, 1906, covers were placed over the pivots to protect them from dust, and at about the same time a convex mirror of about 8 feet focus was substituted for the plane mirror on the object glass, to improve the field illumination.

The telescope micrometer.—The new micrometer, instead of being composed of a series of circular plates,¹ consists of a square box with the corners cut off. Otherwise its general construction is similar to the one which it replaced and which is described on pages X and XI, Volume I, of this series. Like the old micrometer, it is provided with a Rogers self-registering head on the declination screw, as described in *Astronomische Nachrichten* Nr. 1493, page 77. The fixed reticule now contains 19 vertical threads, from west to east, a_1 to a_5 , b_1 to b_9 , and c_1 to c_5 , instead of 25, and the zenith distance micrometer plate carries three pairs of threads, the width of the pairs being 40'', 9'', and 20'', respectively. These pairs of threads are referred to as Z. D. threads A, Z. D. threads B, and Z. D. threads C. The eyepiece magnifies about 140 diameters.

Circle B.—The divisions of Circle B were refilled in 1903 before observing was commenced and again in the summer of 1905.

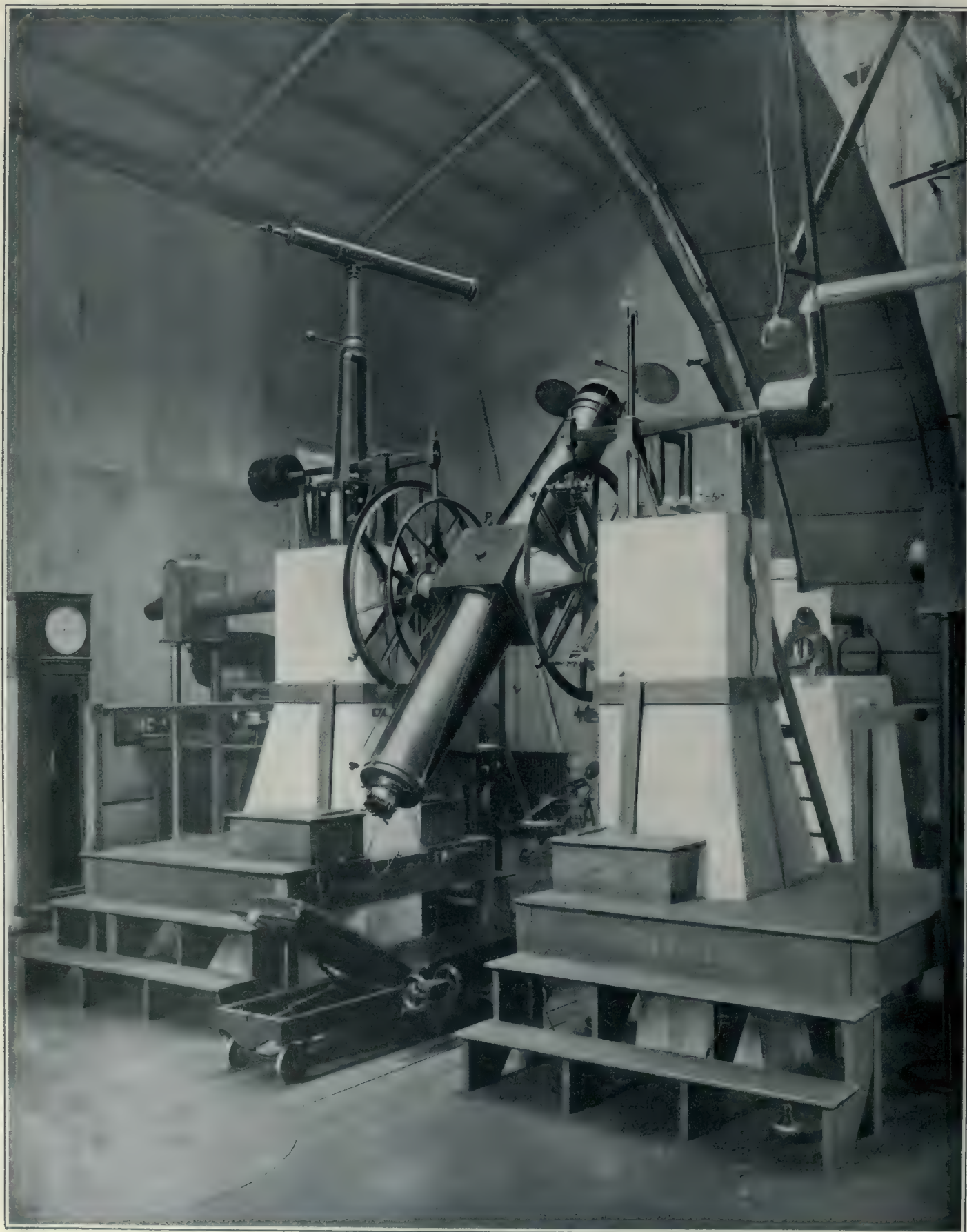
Microscopes.—Eight new micrometer screws were furnished by SAEGMULLER in May, 1904, and were used instead of the old ones from May 23, 1904. In June, 1905, five new microscope objectives, furnished by BRASHEAR, were substituted for five of the old ones. Throughout the work, to illuminate the circle divisions, each microscope has been provided with an individual electric lamp of $3\frac{1}{2}$ volts, mounted on the reflector provided with the microscope between the objective and the circle. The two lamps on the same side of the pier are on the same circuit, which is closed by a push button so arranged on the steps around the pier that the observer naturally sits on it when reading the lower microscope and stands on it when reading the upper one. The current for each pair of microscopes is furnished by three dry cells. The micrometer slide of each microscope carries two parallel threads about 12'' apart, and in setting the microscope these are so placed that the circle division, about 4'' or 5'' wide, is midway between them. For differential measures of division errors, in 1907 one slide was provided with two additional pairs of threads 2' and 10', respectively, from the original pair.

Screens.—Two circular screens, 10 inches in diameter, of fine mesh brass wire, were mounted on the objective end of the telescope on opposite sides of the objective in such a way that, by means of rods running to the eye end of the telescope, one on the east and another on the west, the observer may easily bring either screen, or both, in front of the objective. The screen with the coarser mesh, called Screen I, decreased the magnitude of a star by nearly three magnitudes, while the other screen, called Screen II, produced a change of nearly five magnitudes.² Both screens when used together are referred to as Screen III.

The object of using screens with the observations was twofold—to largely eliminate the effect of the observer's magnitude equation from the results of observation and to give for the brighter stars a fainter image that could be observed with greater accuracy.

¹ Washington Observations, 1865, Appendix I, pages 5 and 6.

² Photometric measures, kindly made for the Observatory by Prof. E. C. PICKERING, Director of Harvard College Observatory, upon screens made of the same wire gauze as these, gave the decrease in magnitude as 2.9 and 4.9, and for the two screens superposed 7.9.



THE 9-INCH TRANSIT CIRCLE WITH ACCESSORIES, VIEWED FROM THE NORTHWEST.

Field illumination was furnished either from a Nernst electric lamp or a Welsbach gas burner, placed in a hood 3 feet from the pier. The light passing through an opening in the pier, then through the hollow pivot opposite the clamp, is reflected by a totally reflecting prism to the mirror on the objective, and thence to the eye end. A rod worked from the eye end rotated a wheel of neutral-tinted glass in the beam of light to enable the observer to regulate the intensity of the illumination. As it was found necessary from time to time to readjust the mirror in its cell the illumination of the field has probably on occasions been due to the light reflected from the object glass itself.

Sun cap.—For use during observations of the Sun, a circular cap with a 3-inch opening at its center was provided to fit over the objective. The cap first used weighed $4\frac{1}{2}$ ounces, but in April, 1906, a more durable one, weighing $7\frac{1}{2}$ ounces, was substituted.

Nadir basin.—For use in determining the nadir reading of the circle and the inclination to the horizon of the axis of the instrument, there is a shallow amalgamated copper basin, 10 inches in diameter, which carries the mercury horizon. This basin floats in mercury contained in a larger basin resting on a mound of raw cotton and sand, rising to the height of a few inches from the pier foundation, midway between the two piers supporting the instrument, the upper surface of mercury being just below the level of the floor. The entire support of the nadir basin is everywhere free from contact with the floor of the observing room. The hole in the floor is covered when the mercury horizon is not in use. When observing a nadir, a wooden shield placed around the floor opening and extending to the object glass prevents disturbance from air currents. In all observations of the nadir, the nadir ladder was south of the instrument after November 10, 1903.

Reflection basin.—For use in observing stars by reflection from mercury there is provided an iron carriage supporting a basin to hold the mercury. The basin is adjustable in altitude.

Barometer and thermometer.—In obtaining the meteorological data barometer Green No. 1970 was used from September 3, 1903, to August 5.9, 1908, barometer Green No. 1943 from August 5.9, 1908, to April 11, 1911, and thermometer Green No. 3925 throughout the entire work. In 1904 the corrections to the readings of the barometers were determined by a comparison with the United States Weather Bureau standard as follows: No. 1970, $+0^{\text{in}}.002$, No. 1943, $+0^{\text{in}}.006$. The correction to No. 1943 was again determined in 1909 and found to be $+0^{\text{in}}.002$. The corrections to the readings of the thermometer were determined by the United States Weather Bureau in August, 1903, at nine different points between 10° and 95° ; the corrections varied from $-0^{\circ}.1$ to $+0^{\circ}.1$. No correction has been applied to the readings of any of these instruments in reducing the observations. Another thermometer mounted a few feet above the axis of the instrument and a little to one side of the meridian was read in connection with the determination of the instrumental constants. A thermograph was installed in the thermometer shelter, and a barograph in the clock house, not far from the observing room. The records from these instruments were occasionally used in correcting erroneous readings of the thermometer or barometer, and also in checking anomalous readings.

Collimators.—Two 4-inch collimators are in a horizontal line with 4-inch openings in the cube of the instrument, when the instrument is in a vertical position.

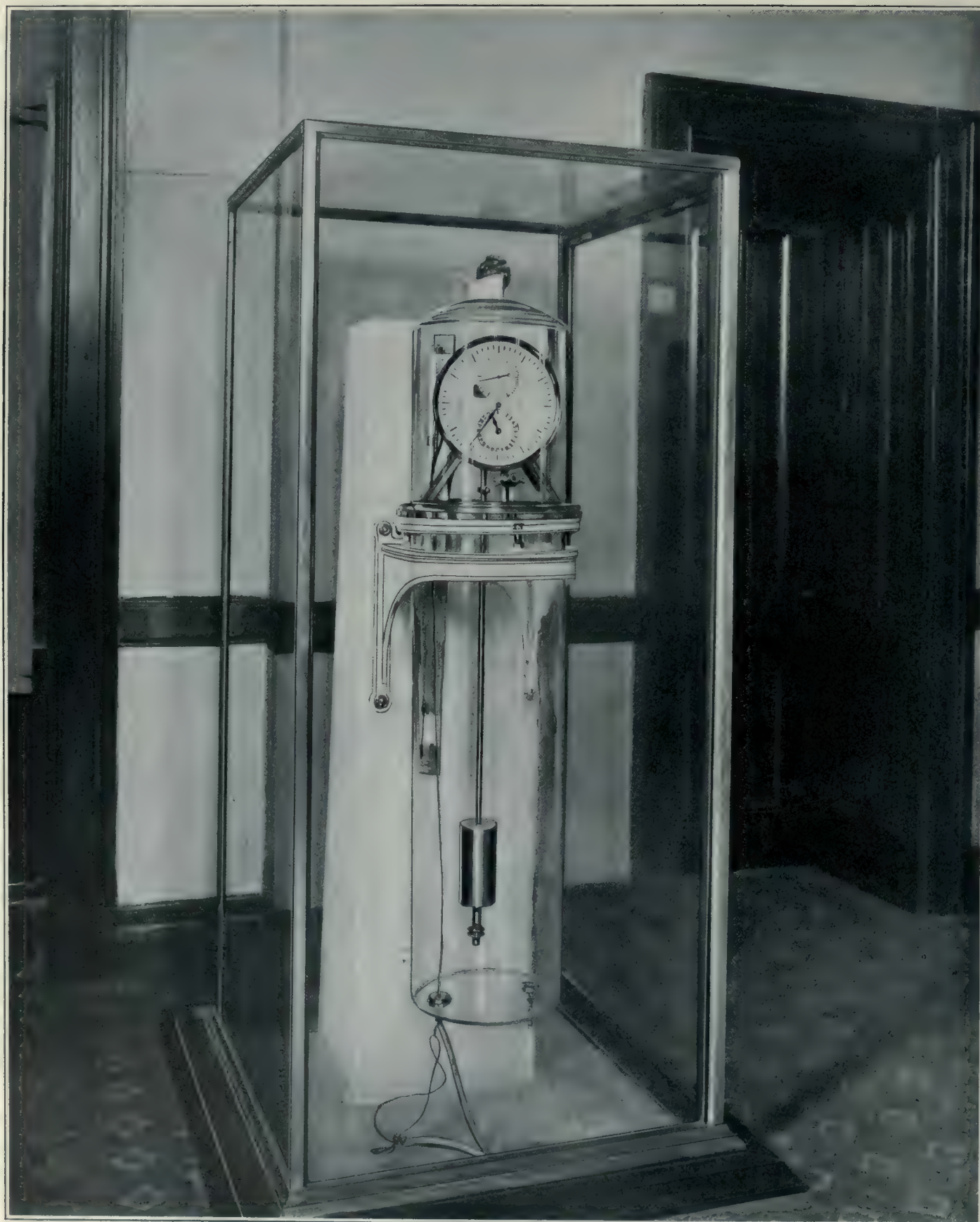
The north collimator is provided with a micrometer whose plate carries two intersecting threads each inclined 60° to the direction of the micrometer screw; the reticule of the south collimator consists of two threads at right angles to each other, adjustable in the direction of one of the threads.

Meridian marks.—There are two meridian marks, one 393 feet north and one 406 feet south of the instrument. The mounting of the north mark is described in Volume I of this series. The south mark was similarly mounted in 1903; with a lens of focal length of 393 feet mounted on the north end of the south collimator pier, in the collimator support which was changed at this time to receive the lens. The south mark plate was removed from its casting November 11, 1903, and the hole enlarged. A pin was inserted in the hole of the north mark plate February 4 and March 30, 1904, to enlarge that hole. The positions of the lenses which were occasionally shifted, are given by readings on scales fastened to the collimator piers. Each mark is illuminated by an electric lamp attached to the wall of the mark house in the prolongation of the line of sight from the transit circle through the mark hole. Each lamp is about 3 or 4 feet from the hole, and they are operated by a switch in the observing room. When the azimuth of the instrument is being determined by readings on one of the marks, the screens are used to decrease the apparent magnitude to that of a star of the sixth or eighth magnitude. The lines of sight from the transit circle to the marks pass 2 or 3 inches above the collimator piers and 8 or 10 inches above the mark piers. They emerge from the transit circle house about 9 feet above the grass lawn and each enters its mark house about 4 feet above the lawn. Neither line of sight approaches nearer than 4 feet to the ground. For about 20 feet, each passes over and 10 feet above a gravel roadway.

Chronograph.—The Saegmuller chronograph, made in 1903, with which the record is made upon a sheet of paper 13 by 24 inches, wound around a cylindrical drum, was used throughout the work.

The standard sidereal clock.—During the period covered by these observations four different sidereal clocks were used as standards, the last one having replaced one of the original three, the various periods during which each was used being given at the beginning of Table XX. The clocks were all furnished by CLEMENS RIEFLER, of Munich. Each is fitted with RIEFLER's free escapement, with nickel-steel compensation pendulum, electric self-winding and electric contact for recording on the chronograph every even second, with interruption at the 60th second, and is inclosed in an air-tight glass case. A full description of this type of clock is given in *Präzisions-Pendeluhren und Zeitdienstanlagen für Sternwarten von Dr. S. RIEFLER, München, THEODOR ACKERMANN, 1907.*

RIEFLER No. 70 was received at the Observatory in July, 1903. It was immediately set up in the clock vault, adjusted and regulated, and sealed up on August 22. The pressure in the clock case was reduced to that desired and this clock became the standard clock of the Observatory on September 1, 1903. It was dismantled in May, 1904, and returned to the maker in June, to have inserted a maintaining spring in the winding train, as at times, during winding, the seconds hand would fail to advance when the escapement wheel was released by the pendulum, and also, at the same time, due to the freedom of the escapement wheel, extra breaks would occur in the chronograph record. In addition to inserting a maintaining spring, other changes, in the winding circuit, were made by the maker at this time. The



ONE OF THE RIEFLER CLOCKS OF THE NAVAL OBSERVATORY.

clock was remounted in the clock vault on August 26, 1904. Since then it has been dismantled only for cleaning.

RIEFLER No. 60, made for the Naval Station at Guam, was set up in the clock vault in February, 1904. This clock was dismantled in August, 1904, and returned to the maker in October, at his request, that the improvements added to No. 70 might be added to this clock also. In September, 1905, this clock was shipped to Tutuila, Samoa, for use in the observatory being established there by the United States Government. On August 2, 1909, this clock was again set up in the clock vault, having been returned to the Observatory from Tutuila, due to the closing of the observatory there.

RIEFLER No. 82, made for the observatory at Tutuila, was set up in the clock vault in June, 1904. In April, 1905, this clock was dismantled and returned to the maker in May, at his request, that the improvements added to Nos. 70 and 60 might be added to this clock also. In September, 1905, it was remounted in the clock vault. This clock, however, continued to perform unsatisfactorily from time to time during the year 1906, and finally in March, 1907, was returned to the maker, who already, two months previous to this time, had sent to the Observatory a new clock to replace No. 82.

RIEFLER No. 151, furnished by the maker in place of No. 82, was mounted in the clock vault in January, 1907, and has given entire satisfaction from that time to the present.

These clocks wind about every 30 seconds, the current being furnished by three dry cells. A resistance in the circuit is varied in amount from time to time to keep the interval between winds nearly constant. The current through the clock for registering the time on the chronograph is supplied by one Gordon cell, and is broken every two seconds from the second second to the fifty-eighth second, inclusive, of each minute. This current passes through a one-point relay, of 6 ohms resistance, which controls a seven-point relay by means of which the time is furnished at the chronographs of the different instruments and for use in the Time Service. The pressure in the clock cases has varied from 584^{mm} to 738^{mm}, the exact amount in each instance being determined by the clock rate desired. After the clocks were in satisfactory condition, three clocks have been kept running at all times, except for the periodical cleaning one at a time, and regular intercomparisons of these clocks have been made daily from 1906 to 1911, and about three times a week before that period.

For the first year during which these clocks were in use it was not possible to prevent air gradually leaking into the clock cases; after that period, however, this difficulty disappeared almost entirely.

Axial microscope.—The axial collimator furnished in 1903, and which was of the ordinary type, was replaced in 1908 by an axial microscope of four times the magnifying power. The description of this instrument is given on page A xxi, in connection with the account of the investigation of the irregularity of the pivots.

Personal equation machine.—This machine, as mounted on the north mark pier for use with the transit circle, consists of a carriage running on two horizontal tracks perpendicular to the line of sight from the transit circle. Between the tracks are two parallel worm screws 16 inches long, which when the machine is in operation turn continuously in opposite directions. A tongue projecting below the carriage engages

with one of the worm screws and by means of an adjustable tripping device is shifted to the other worm screw automatically at any desired point, thus causing the carriage to move back and forth over any required distance. The motive power is furnished by a small electric motor, which drives with uniform angular velocity a friction disk 10 inches in diameter. Against this disk presses a small leather wheel, the plane of which is perpendicular to that of the disk and which can be moved parallel to itself directly toward or away from the center of the disk in such a way as to produce a gradual variation of its velocity, the ratio of the maximum and minimum velocities being 10 to 1.

From the shaft of the leather wheel the motion is transmitted to the worm screws by a set of gear wheels, having a gear-shifting set which enables the velocity to be changed in the ratio of 1 to 7. By the combination of these two methods of varying the velocity it is possible to make the angular motion of the carriage as seen from the transit circle correspond to that of a star of any declination from 0° to 89° .

Mounted on the front of the carriage is a brass strip with nine narrow vertical strips of ivory inlaid flush with the surface. The intervals between these strips correspond in angular value as seen from the transit circle to the angular intervals between the threads of the middle set of transit threads of the transit circle reticule. In one end of the brass strip and in the horizontal plane with the stylus described below is a small round hole, behind which is a small $3\frac{1}{2}$ -volt electric lamp. This forms the artificial star. Artificial Sun's limbs and artificial planets are also provided. A platinum-tipped stylus, rigidly fixed in position, bears lightly against the brass reticule strip. One pole of the chronograph circuit is connected to the reticule strip and the other to the stylus, so that the circuit is broken and a signal recorded on the chronograph whenever the stylus passes over one of the inlaid ivory strips.

This machine was built under the direction of Professor LITTELL. Its fundamental principle is the same as that of the machine designed by Prof. J. R. EASTMAN, U. S. Navy, in 1875. Valuable suggestions as to construction were made by Mr. TILLYER and Mr. CLEVE.

The machine was mounted in December, 1911, on the south end of the north mark pier, and therefore sufficiently near the focus of the north mark lens, through which the artificial star is observed with the transit circle. When in use, signals are recorded on the chronograph whenever the carriage by its east and west motion brings the ivory strips under the stylus. At the same time the observer at the telescope observes the transit of the artificial star over the reticule of the transit circle in the usual manner and it is also recorded on the chronograph. Suitable adjustments are made so that the corresponding signals of the automatic and of the observer's records are near together but conveniently separated on the chronograph record. A complete set of signals comprises the record during the movement of the carriage over an eastward and a westward passage. In order that the apparent direction of motion may remain the same for the observer, a reversing prism is used on the ocular and the observer reverses his field whenever the carriage of the machine reverses its direction of motion.

It will readily appear that if the automatic record precedes the observer's record by a certain amount for the eastward movement of the carriage, it will follow by the same amount for the westward movement, and vice versa, except as modified by the effect of personal equation.



THE PERSONAL EQUATION MACHINE.

Let M_e and M_w = the times recorded for the automatic transit corresponding to a given thread for the eastward and westward movement of the carriage, respectively.
 O_e and O_w = the corresponding times of the observer's signals.
 k = the constant difference that should exist between these times were it not for the personal equation of the observer.
 p = the personal equation.

Then

$$M_e \pm k = O_e + p$$

$$M_w \mp k = O_w + p$$

And

$$p = \frac{(M_e - O_e) + (M_w - O_w)}{2}$$

The differences indicated are usually small fractions of a second easily read from the chronograph record. It should be noted that in reading the differences from the chronograph record the beginning of the observer's signal is always used, but that if the beginning is used for the machine record eastward the end must be used for the westward, or the middle of all the machine records may be used.

ROUTINE OF OBSERVING.

The observing day was generally divided between two observers, the first being on duty from 3 a. m. to 9 p. m. and the second from 9 p. m. to 3 a. m., though these times were occasionally shifted an hour or more one way or the other, as seemed advisable at the moment. The first observer commenced with a series of star observations covering a period of about two hours and a half before dawn, and finished with a similar series in the evening after dark, each series being included between two sets of instrumental constants. Between these two series of observations the Sun, Moon, Mercury, and Venus were observed whenever they were so situated that this was possible. The second observer obtained two series of star observations separated by a set of instrumental constants. Observations of the outer planets were made by the night observer and observations of the Moon also whenever it culminated during his tour of duty. The observations of the stars from the two zodiacal catalogues were all made during this night tour of duty, and there was always an assistant who read the microscopes and made the record. The instrumental constants were determined sometimes by the observer and sometimes by the assistant, see page A CXXII.

In all observations of the Sun and in observing three limbs of the Moon an assistant was employed to read the microscopes. After the first four months of the work the same assistant, in each case, read the microscopes on the corresponding nadir observation. In these cases the assistant is not designated in the journal of observations but in the table of zenith point corrections, Table XXII.

The time of transit of each object, with few exceptions, was observed over each of the nine threads of the central group and the time recorded on the chronograph by means of a key, held in the observer's hand, when the declination of the object was less than 85° ; north of that the stars were observed eye and ear. Whenever a slowly moving star was observed otherwise than just stated, the fact is published in the journal of observations, Volume IX, Part II.

In the determination of the zenith distance generally two settings of the zenith distance micrometer threads were made, one immediately before and the other immediately after the transits. In slowly moving stars the zenith distance settings were frequently made at the threads over which the transits were being observed. Z. D. threads B were used in observing stars, limbs of the Sun, Moon, and

Venus, and the centers of planets whose disks were small. When the disks of the planets were larger, their centers were observed either with Z. D. threads A or Z. D. threads C. Occasionally during a star observation two settings of the zenith distance threads were made before and sometimes two after the observations of the transits; this was generally done in observing the planets. Two or three settings were made for each declination limb of the Sun, and also for the Moon when two limbs were observed in zenith distance. When but one limb of the Moon was observed, five settings of the zenith distance threads were made as a rule.

The telescope was set by use of the outer set of graduations of Circle A, whose setting microscope always read $179^{\circ} 56'$ when the telescope was pointed at the nadir. The degrees and minutes of the circle setting were the reading of this setting microscope, the setting always being made approximately on an even minute. The seconds of the circle reading were obtained from the mean of the readings of the four circle microscopes of Circle B, which was shifted on its axis at each reversal of the instrument. In a few cases only, mentioned in the journal of observations, the mean of two microscopes was used. The instrument was used clamp west from September 3, 1903, to August 16, 1904, from June 26, 1905, to October 26, 1906, and from April 23, 1908, to May 1, 1909; and was used clamp east from August 16, 1904, to June 26, 1905, from April 17, 1907, to April 23, 1908, and from May 1, 1909, to April 11, 1911. The relation of Circle B to Circle A at any time may be obtained from Table XI. In order to avoid a correction for error of runs, a $2'$ division of Circle B was always brought under each of its four microscopes near the center of the comb and the telescope set so that either Microscope I (clamp east) or V (clamp west) read about $10''$.

The screen to be used in the observation was adjusted in front of the object glass just before or just after the image entered the field of the telescope and was removed from in front of the object glass only after the entire observation had been completed. When it was dark enough to need field illumination, all stars between the magnitude 4.1 and 6.0, both inclusive, were screened with Screen I, all between the magnitudes 1.5 and 4.0 with Screen II, and all of magnitude 1.4 or brighter with Screen III, see page A XII, so that the effective magnitudes would be between 6.0 and 9.0. When field illumination was not needed, the screen was used that produced the result most nearly corresponding with the conditions at night. A screen was used at night with the Moon and the brighter planets.

A set of instrumental constants consists of a determination of the collimation constant of the mean transit thread by means of the horizontal collimators, a determination of the level constant from the nadir observation, a determination of the azimuth constant from each of the two meridian marks, and a determination of the zenith point correction from the nadir observation. For about one year a determination of the level constant by the use of the spirit level was included.

For the computation of the correction for refraction the barometer was read once an hour and the thermometer once every 20 or 30 minutes.

RIGHT ASCENSIONS.

The value of one division of the hanging level vial was determined in 1903 from measures on two level triers to be $1''.062$.

The value of one revolution of the right ascension micrometer screw used in reducing the collimation, level, and azimuth constants, $1^s.5249$, was derived in 1903 from comparing four sets of measures of the fixed reticule, made with this screw, with the adopted thread intervals derived from star transits. Nine sets of measures extending from 1903 to 1908 gave a value $0^s.0003$ less than the one actually used throughout the entire work.

In 1911 the micrometer screw was examined on a measuring engine for progressive and periodic errors with the following results:

Progressive Errors of the Right Ascension Micrometer Screw.¹

Rev.	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
ΔR	-0.001	-0.001	-0.001	-0.001	0.000	-0.001	$+0.001$	$+0.002$	$+0.002$	$+0.002$

Periodic Errors of the Right Ascension Micrometer Screw.

$$\Delta = -0^s.0002 \cos u - 0^s.0003 \sin u + 0^s.0000 \cos 2u + 0^s.0000 \sin 2u,$$

where u is the decimal of a revolution multiplied by 360° .

No correction has been applied to the reductions to allow for either the progressive or the periodic errors.

Thread intervals.—When the time of transit was not noted over all nine regular transit threads, the time of transit over the mean thread was obtained by using the thread intervals given in Table I. These intervals were deduced from the transits of the regular work, partly of equatorial stars and partly of circumpolar stars.

The threads are always named from west to east, so that when the transit circle is reversed each thread except the middle one changes name, e. g., b_1 , clamp west, becomes b_9 , clamp east. During the first month of the work, September, 1903, b_2 frequently became crooked, so that none of the transits over this thread during that period was used, and the adopted mean thread was the mean of the seven threads, b_1 , b_3 to b_7 , and b_9 . On October 3 the crooked thread was replaced by a new one, and from that date the adopted mean thread was the mean of the nine threads, b_1 to b_9 . New threads were inserted during August, 1904, and again during July, 1905.

THE FORM OF THE PIVOTS.

Spherometer caliper measures.—In December, 1902, a series of measures on the new pivots, page A XI, was made with the spherometer caliper, designed by the late Professor WM. HARKNESS, U. S. Navy, and described by him in Monthly Notices, Volume 38, page 487, with an accompanying drawing of the instrument. The telescope resting upon the reversing carriage, the caliper was adjusted to one of the pivots and three readings made with the spherometer; the caliper was then removed to the other pivot, adjusted, and six readings made with the spherometer, after

¹ In the work on the constants the screw was always used between 8 and 12 revolutions.

which another set of three readings was made on the first pivot. The caliper was then rotated 180° about a vertical axis and another set of measures made similar to the first. The difference between the mean of the readings on the first pivot and the mean of those on the other pivot, multiplied by $\frac{\sin v}{1 + \sin v}$, where v is half the angle of the caliper V's, gives a measure of the difference between the radii of the two pivots on the assumption that the pivots are true circular cylinders. A determination of the difference between the radii of the two pivots was made in each of eight positions of the telescope, the telescope being turned 45° in zenith distance between consecutive determinations, the caliper, of necessity, being vertical in all the determinations. Three sets of these eight determinations were made by each of two observers. The results follow:

Differences Between the Caliper Measures on the Pivots of the 9-inch Transit Circle, the Clamp Pivot Being the Smaller.

[The unit is a millionth of an inch.]

	° Observer Ei.			Observer L.			Means.		Final Mean.
							Ei.	L.	
Position 1.....	+28	+52	+36	+72	+42	+54	+39	+56	+48
Position 2.....	+34	+30	+40	+54	+40	+35	+35	+43	+39
Position 3.....	+32	+28	+42	+46	+45	+48	+34	+46	+40
Position 4.....	- 8	+20	+41	+24	+28	+12	+18	+21	+20
Position 5.....	+32	+16	+16	+37	+40	+40	+21	+39	+30
Position 6.....	+24	+10	+50	+16	+45	+36	+28	+32	+30
Position 7.....	+42	+59	+35	+34	+23	+25	+45	+27	+36
Position 8.....	+40	+31	+33	+10	+16	+26	+35	+17	+26
Mean.....	+28	+31	+37	+37	+35	+34	+32	+35	+34

If r = radius of the clamp pivot

r' = radius of the pivot opposite the clamp

$2v$ = angle of the caliper $V's = 90^\circ$

Then

$$r' - r = \frac{0^{\text{in}}.000034 \sin v}{1 + \sin v} = 0^{\text{in}}.000014.$$

This inequality of pivots would produce a difference of $0^{\text{s}}.006^1$ between the level constant determined by the spirit level and that determined over mercury. An inspection of the numbers in the final column above shows that as far as the measures in the eight positions of the instrument there used indicate, the relative irregularity of the pivots, as affecting the level and azimuth constants of the instrument for instance, is less than $0^{\text{s}}.004$.

In May, 1909, a short series of measures of one of the pivots was made with the spherometer caliper by Professor LITTELL which showed an irregularity not much different from the results of 1902.

Axial collimator measures.—The arrangement for the axial collimator is as follows: In one pivot of the transit circle is inserted a small lens whose focus lies in the plane of a small piece of glass in the other pivot. On this glass plate a small dot is made. Directly in front of the pivot containing the lens is placed a telescope

¹ See pages A xxv and A xxvi.

fitted with a micrometer. An image of the spot is then formed in the focal plane of the collimating telescope. If the pivots are sections of the same cylinder similarly placed, their axes being in the same straight line, and the spot on the glass plate in one of the pivots is similarly situated to the center of the lens in the other pivot, the image of the spot in the collimating telescope will remain at rest as the transit circle is rotated. If the spot is not located as described above, its image in the collimating telescope will describe a circle. If the two pivots are not as described above, the image of the spot will describe an irregular curve, the deviations of which from a circle when resolved horizontally and vertically will give the changes in azimuth and level of the instrument due to irregularity of the pivots. The effective aperture of the lens in the pivot was restricted by the size of the hole in the pivot to about three-fourths of an inch; its focal length was 47 inches. The small aperture probably explains the absolute impossibility of obtaining a satisfactory image, although various methods of forming the spot were tried. A minute globule of mercury between two thin glass plates was tried, as suggested by the late Sir DAVID GILL in Monthly Notices, Volume 59, but the result was unsatisfactory. Then India ink was spattered on a glass plate, and from the minute spots thus formed one appearing perfectly circular under high magnification was selected, but this also proved unsatisfactory. The third attempt was to photograph the minute India-ink spot and use this negative, giving a dark field containing a minute hole. This was a decided improvement over the previous attempts, but after a few days' use was pronounced unsatisfactory. Finally, the Observatory Instrument Maker, Mr. CLEVE, with a small drill made from a fine cambric needle, perforated a very thin sheet of brass. This sheet of brass was then glued to the glass plate to be put into the pivot, and in all the work with the axial collimator this hole in the sheet of brass was used as the spot. A series of measures was made in the spring of 1903, another in the summer of 1904, and a third in the fall of 1906. In each series two independent determinations of the irregularities of the pivots were made by different observers. These two determinations, in general, agreed fairly well, but when the results of two different years were compared it was evident that the results of one year or of both were affected by some systematic error.

Axial microscope measures.—In seeking the cause of the systematic differences, referred to above, between the results from observations made in different years it was found that rotating the collimating telescope, in which the irregularities were viewed, produced a change similar to that of rotating the transit circle. To obviate the necessity of having the measures depend upon the varying relative position of a rotating and a fixed objective, the objective was removed from the pivot of the transit circle and placed in a fixed position before the objective of the collimating telescope. Thus the axial collimator method was changed to what is hereafter designated as the axial microscope method, and the application of the method as first employed was to measure the irregularities of the pivot more remote from the observer, then reverse the apparatus and similarly measure the irregularities of the other pivot. By a combination of the results of these two sets of measures the effect of the irregularities upon the azimuth and level of the instrument was easily determined. A complete set of measures with this axial microscope was made in the fall of 1906, immediately following the last determination with the axial collimator.

This microscope was of very low power, and the application of the method was very laborious. From these measures the effect of the irregularities of the pivots upon the time of transit of a star was computed, and the results are given in Table IV. These corrections were applied to the observed time of transit of all objects from September 3, 1903, to April 23, 1908, as published in pages B 3 to B 697, Volume IX, Part II, but have been eliminated from the *Individual Results*, pages A 1 to A 380, Volume IX, Part I, as explained on page A CLXVI, and for the reasons given below.

In the fall of 1908, when it was desired to measure the pivots again, a more efficient microscope was used, devised by Assistant C. W. FREDERICK, in which the observer viewed a spot on the pivot near the lens of the microscope—i. e., only a few inches away. This microscope was of high power—about 125 diameters—and the results were obtained with comparatively little labor and with great precision as far as the measures themselves were concerned. The results with this instrument were encouraging in that they, in general, corroborated those of the previous set obtained two years before. However, the differences were larger than it seemed could be explained as due to accidental error.

In the spring of 1909 another set of measures was taken which showed such deviations from former measures that it was clear that some vitiating influence affected the measures. The one object of suspicion was the mounting of the spot. This consisted of a piece of glass attached to a cap which was screwed into the end of the pivot, the cap covering about one-half of the area of the end of the pivot and receiving the pressure of the end springs, which hold the transit circle in place in the east and west direction. In order to prevent any possible trouble from this source, a new mounting was used which could be inserted inside the pivot, so that the spot would be directly over the wye and so that the mounting would touch no external object during the rotation of the transit circle. The measures obtained with this mounting were, for the first time, entirely self-consistent, and the irregularities indicated were of the order indicated by the spherometer caliper measures and practically negligible.

In the fall of 1909 the pivots were remeasured with the same apparatus as used in the spring, and the irregularities were again determined as practically negligible.

The axial microscope was further improved in 1911, the apparatus up to that time having been largely experimental. A microscope lens of $2\frac{1}{2}$ inches focal length was used and also a new micrometer. The magnifying power was about 175 diameters. The mounting of the microscope lens was made adjustable to the center of rotation of the pivot. The spot was a globule of mercury vapor, condensed on glass. A piece of ground glass was placed one-quarter of an inch from the spot toward a bright illumination coming in through the opposite pivot. A determination with the new apparatus in the fall of 1911 again showed the irregularities to be practically negligible.

The effect of the irregularities of the pivots upon the level and azimuth constants of the transit circle for every 10 degrees of zenith distance as given by each of the last three determinations together with the mean of these results is given in the table following.

Corrections to Mean Level and Mean Azimuth of the 9-inch Transit Circle, Clamp East, Due to Irregularity of Pivots as Determined in May, 1909, November, 1909, and September, 1911.

Z. D.	LEVEL.				AZIMUTH.			
	May, 1909.	Nov., 1909.	Sept., 1911.	Mean.	May, 1909.	Nov., 1909.	Sept., 1911.	Mean.
0	-0.010	+0.001	+0.005	-0.001	+0.008	+0.003	+0.006	+0.006
10	+0.003	+0.002	+0.002	+0.002	+0.014	-0.001	+0.006	+0.006
20	0.000	+0.002	0.000	+0.001	+0.001	0.000	+0.001	+0.001
30	+0.008	+0.002	+0.001	+0.004	-0.007	-0.007	-0.002	-0.005
40	-0.004	+0.007	+0.008	+0.004	-0.003	-0.003	-0.002	-0.003
50	-0.003	+0.009	+0.005	+0.004	-0.008	-0.006	0.000	-0.005
60	+0.004	+0.003	-0.002	+0.002	-0.007	-0.004	-0.009	-0.007
70	-0.002	-0.002	-0.002	-0.002	-0.003	0.000	-0.006	-0.003
80	+0.002	-0.007	-0.007	-0.004	-0.004	-0.005	-0.012	-0.007
90	-0.003	-0.002	-0.014	-0.006	0.000	+0.001	0.000	0.000
100	-0.006	-0.006	-0.006	-0.006	-0.001	-0.002	-0.006	-0.003
110	-0.004	-0.004	-0.004	-0.004	-0.003	+0.004	-0.003	-0.001
120	+0.005	-0.004	-0.006	-0.002	-0.002	0.000	0.000	-0.001
130	-0.001	-0.002	-0.002	-0.002	0.000	+0.002	+0.003	+0.002
140	+0.006	-0.002	+0.001	+0.002	0.000	+0.002	0.000	+0.001
150	+0.002	+0.001	+0.001	+0.001	+0.008	+0.002	+0.005	+0.005
160	+0.001	+0.006	+0.006	+0.004	+0.014	+0.005	+0.009	+0.009
170	0.000	0.000	+0.004	+0.001	+0.011	+0.002	+0.012	+0.008
180	+0.005	+0.002	+0.008	+0.005	+0.007	+0.004	+0.011	+0.007
190	+0.001	+0.003	+0.009	+0.004	0.000	+0.002	+0.002	+0.001
200	+0.003	+0.005	+0.004	+0.004	-0.003	+0.001	+0.006	+0.001
210	+0.001	+0.003	+0.004	+0.003	-0.001	+0.002	-0.004	-0.001
220	-0.004	0.000	-0.002	-0.002	+0.002	+0.001	-0.006	-0.001
230	-0.003	0.000	0.000	-0.001	-0.007	0.000	-0.012	-0.006
240	-0.007	+0.003	-0.003	-0.002	-0.010	0.000	-0.013	-0.008
250	-0.008	0.000	-0.005	-0.004	-0.012	0.000	-0.010	-0.007
260	+0.001	+0.001	-0.010	-0.003	-0.013	-0.005	-0.004	-0.007
270	+0.007	+0.003	-0.002	+0.003	-0.002	-0.006	-0.003	-0.004
280	+0.001	-0.005	-0.004	-0.003	-0.009	-0.003	-0.004	-0.005
290	+0.006	-0.002	-0.002	+0.001	+0.003	+0.001	+0.002	+0.002
300	+0.008	-0.001	-0.004	+0.001	+0.009	+0.003	+0.002	+0.005
310	+0.010	-0.002	-0.001	+0.002	-0.005	+0.001	+0.005	0.000
320	-0.001	+0.002	+0.002	+0.001	+0.003	+0.001	+0.008	+0.004
330	-0.003	-0.003	+0.002	-0.001	+0.004	+0.008	+0.006	+0.006
340	-0.005	-0.001	+0.005	0.000	+0.008	0.000	+0.001	+0.003
350	-0.008	+0.002	+0.006	0.000	+0.009	+0.004	+0.002	+0.005

The determinations in 1911 were made clamp west, and the signs of the level corrections were changed before entering the results in the above table in order that the three determinations might be comparable.

The effect upon the time of meridian transit of stars of applying the corrections in the fifth and ninth columns of the above table to the adopted level and azimuth constants of Table XXI is shown in the table below:

Corrections to the Observed Time of Transit Due to Irregularity of Pivots as Determined in 1909-1911.

Z. D. S.	Clamp West.	Clamp East.	Z. D. N.	Clamp West.	Clamp East.
■	s	■	○	s	■
0	+0.013	-0.013	0	+0.013	-0.013
10	+0.013	-0.008	10	+0.006	-0.012
20	+0.014	-0.010	20	+0.008	-0.014
30	+0.017	-0.011	30	+0.006	-0.024
40	+0.016	-0.010	40	-0.001	-0.024
50	+0.013	-0.013	50	+0.005	+0.009
60	+0.019	-0.018	60	-0.012	+0.021
70	+0.017	-0.017	70	+0.005	-0.002
80	+0.012	-0.024	80	-0.002	-0.016
10° to 60°	+0.015	-0.012			

As the clock correction is decreased by the amount of any increase in the time of transit of the clock stars, the average change in the clock correction to allow for the above irregularity of pivots is $-0^s.015$ clamp west and $+0^s.012$ clamp east. To obtain the change in the right ascensions, these quantities, $-0^s.015$ clamp west and $+0^s.012$ clamp east, must be applied to the numbers in the above table. It is thus seen that the change to the right ascensions due to correcting them for the above irregularity of pivots would amount for the stars south of the zenith to $0^s.01$ only in clamp east and at 80° zenith distance. The mean of two determinations of the right ascension of a star, one clamp east and one clamp west, would never be changed $0^s.01$ south of the zenith, or $0^s.02$ north of the zenith.

The right ascensions as published in the *Individual Results* and in the *Catalogue* contain no correction for pivot irregularities.

INSTRUMENTAL CONSTANTS.

Reduction to meridian.—The time of transit over the mean thread of the telescope was reduced to that over the meridian by means of BESSEL's formula

$$\tau = m + n \tan \delta + c \sec \delta,$$

where

$$\begin{aligned} m &= b \cos \varphi + a \sin \varphi \\ n &= b \sin \varphi - a \cos \varphi \end{aligned}$$

and a , b , and c are the azimuth, level, and collimation constants of the instrument and φ its latitude.

In the case of observations of the Moon, a correction is applied to allow for the motion in right ascension during the interval τ .

Collimation constant.—In determining the collimation constant by means of the horizontal collimators, the vertical thread of the south collimator was brought close to the image of the middle thread of the transit circle as seen in the south collimator by moving the reticule of the south collimator. The distance of the image of the vertical thread of the south collimator from the middle thread of the transit circle was measured by using the movable right ascension thread of the transit

circle. The south collimator was then viewed with the north collimator through the openings in the cube of the transit circle, pointed toward the zenith, and the inclined threads of the north collimator moved until the angle between them was bisected by the image of the vertical thread of the south collimator. This angle was bisected several times and the mean of the micrometer readings for the several bisections was adopted as the setting for the north collimator micrometer. The distance of the image of the intersection of the threads of the north collimator as seen in the transit circle from the middle thread was then measured by using the movable right ascension thread of the transit circle. Finally another measure of the distance of the image of the vertical thread of the south collimator from the middle thread of the transit circle was made. The mean of this determination and the previous one was adopted as the true distance.

The collimation constant is derived from these measures as follows:

- Let c = Collimation constant for the mean thread, including the correction for daily aberration.
 S = Distance in micrometer revolutions of the image of the vertical thread of the south collimator from b_s , the middle thread of the transit circle, positive when east.
 N = Distance in micrometer revolutions of the image of the intersection of the threads of the north collimator from b_s , positive when east.
 M = Value in seconds of time of one revolution of the right ascension micrometer screw.
 i = Reduction of b_s to the mean of the standard set of threads.

Then

$$c = \frac{S+N}{2} M - i - 0^s.021 \cos \varphi = 0^s.762(S+N) - i - 0^s.021 \cos \varphi.$$

The values of the collimation constant as thus determined are found in column 4, Table XXI.

The simultaneous observations on the two meridian marks for the determination of the azimuth constant of the instrument give an independent determination of the collimation. The adopted collimation, column 9, Table XXI, is in general the mean of that from the horizontal collimators and that from the marks.

The variation of the collimation constant with changes of temperature is considered with similar variations of the level and azimuth constants on page A xxvii et seq.

Level constant.—In determining the level constant from the nadir observation, the distance of b_s from its reflected image was measured by using the movable right ascension thread of the transit circle.

The level constant is derived from this measure and those made in connection with the determination of the collimation constant as follows:

- Let b = Level constant.
 D = Distance in micrometer revolutions of b_s from its reflected image, positive when west.

Then

$$b = (D+S+N) \frac{M}{2} = 0^s.762 (D+S+N)$$

where S , N , and M are defined under collimation constant.

The values of the level constant as thus determined are found in column 5, Table XXI.

These values depend upon the values of the collimation constant derived from the readings on the horizontal collimators. Using the values of the collimation constant derived from the simultaneous readings on the two meridian marks, a second set of values of the level constant would be obtained. The adopted values of the level constant used in determining the values of m and n in columns 10 and 11, Table XXI, are in general the means of the corresponding values in the two sets just mentioned.

The values of the level constant determined with the spirit level from September, 1904, to June, 1905, were not used in the reduction of the observations. A comparison between these values and the values obtained during the same period from the nadir observations shows an average difference of $+0^s.024$, spirit level—nadir level.

The variation of the level constant with changes of temperature is considered with similar variations of the collimation and azimuth constants on page A XXVII et seq.

Azimuth constant.—In determining the azimuth constant by means of the azimuth marks the distance of the image of the mark as seen in the transit circle from b_s was measured by using the movable right ascension thread of the transit circle.

The azimuth constant is derived from this measure and those made in connection with the determination of the collimation constant and the level constant as follows:

Let a =Azimuth constant.

b =Level constant.

A_n =Azimuth of north mark west of north.

A_s =Azimuth of south mark east of south.

D_n =Distance in micrometer revolutions of the image of the north mark from b_s , positive when west.

D_s =Distance in micrometer revolutions of the image of the south mark from b'_s , positive when east.

Z_n =Zenith distance north of the north mark= $93^\circ 38'$.

Z_s =Zenith distance south of the south mark= $93^\circ 38'$.

$$\begin{aligned} \text{Then} \quad a \sin Z_s + b \cos Z_s + \frac{S+N}{2} M &= A_s \sin Z_s + D_s \cdot M \\ a \sin Z_n - b \cos Z_n - \frac{S+N}{2} M &= A_n \sin Z_n + D_n \cdot M \end{aligned}$$

$$\begin{aligned} \text{Or} \quad a &= A_s + \frac{2D_s - S - N}{\sin Z_s} \cdot \frac{M}{2} - b \cot Z_s = A_n + \frac{2D_n + S + N}{\sin Z_n} \cdot \frac{M}{2} + b \cot Z_n \\ a &= A_s + K_s = A_n + K_n \end{aligned}$$

$$\begin{aligned} \text{Where} \quad K_s &= \frac{2D_s - S - N}{\sin Z_s} \cdot \frac{M}{2} - b \cot Z_s = 0^s.764(2D_s - S - N + 0.0825 b) \\ K_n &= \frac{2D_n + S + N}{\sin Z_n} \cdot \frac{M}{2} + b \cot Z_n = 0^s.764(2D_n + S + N - 0.0825 b) \end{aligned}$$

and S , N , and M are defined under collimation constant.

The two sets of values of the azimuth constant as thus determined are found in columns 6 and 7, Table XXI.

The mean of the two values of a resulting from the simultaneous readings on the north and south marks is taken as the azimuth constant of the transit circle at that time and is used in determining the values of m and n in columns 10 and 11, Table XXI.

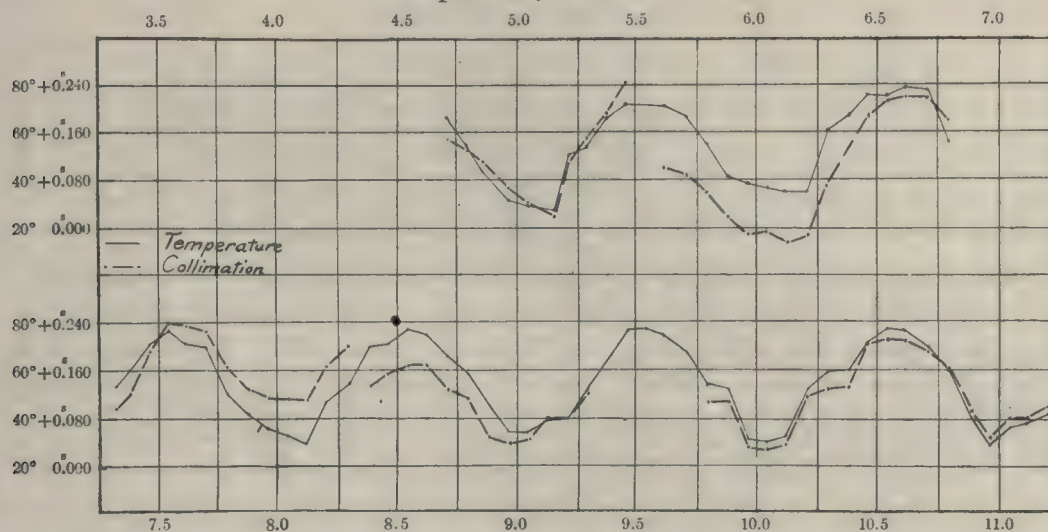
The variation of the azimuth constant with changes of temperature is considered with similar variations of the collimation and level constants immediately following.

Interpolated values of the constants.—In general, if two consecutive values of one of the instrumental constants differed more than $0^s.03$, interpolated values of this constant were used in reducing observations made between the times at which the two values of the constant were determined, observations not thus included being reduced with the value nearest the time of observation; otherwise a mean of the two values was used in reducing all such observations.

VARIATIONS OF THE INSTRUMENTAL CONSTANTS WITH CHANGES OF TEMPERATURE.

In order to show the variations in the collimation, level, and azimuth constants of the transit circle depending upon changes in temperature, the mean of the values of each of these three constants was formed, in general, for each month of the eight

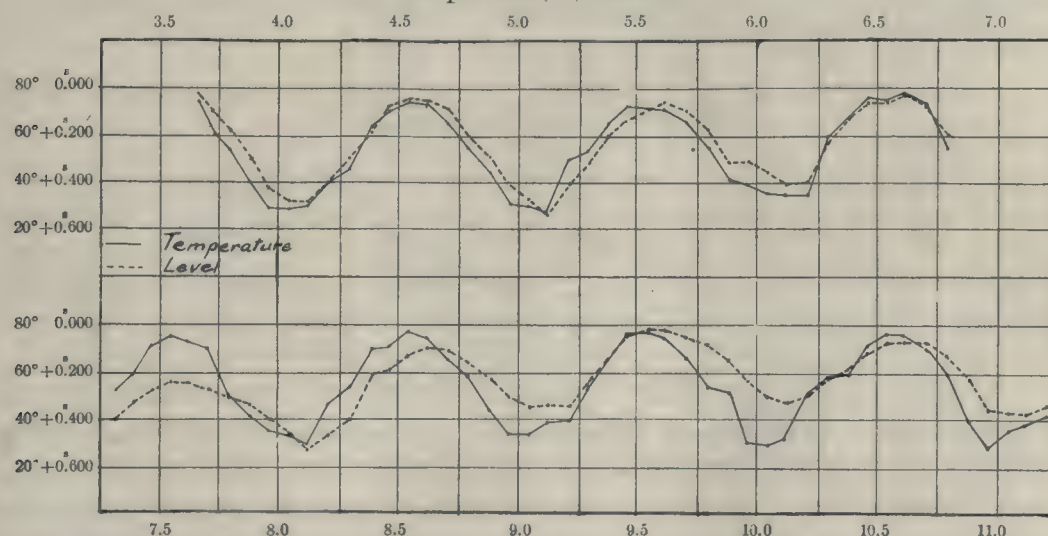
FIGURE 1.—Diagram Showing Annual Variation of the Collimation Constant With Change of Temperature, 1904-1911.



years covered by the observations, together with the mean temperature for each such period. These means are plotted in the accompanying diagrams, Figures 1, 2, and 3.

At each reversal of the instrument the collimation constant changed its sign, and for convenience in determining the other instrumental constants the reticule

FIGURE 2.—Diagram Showing Annual Variation of the Level Constant With Change of Temperature, 1903-1911.

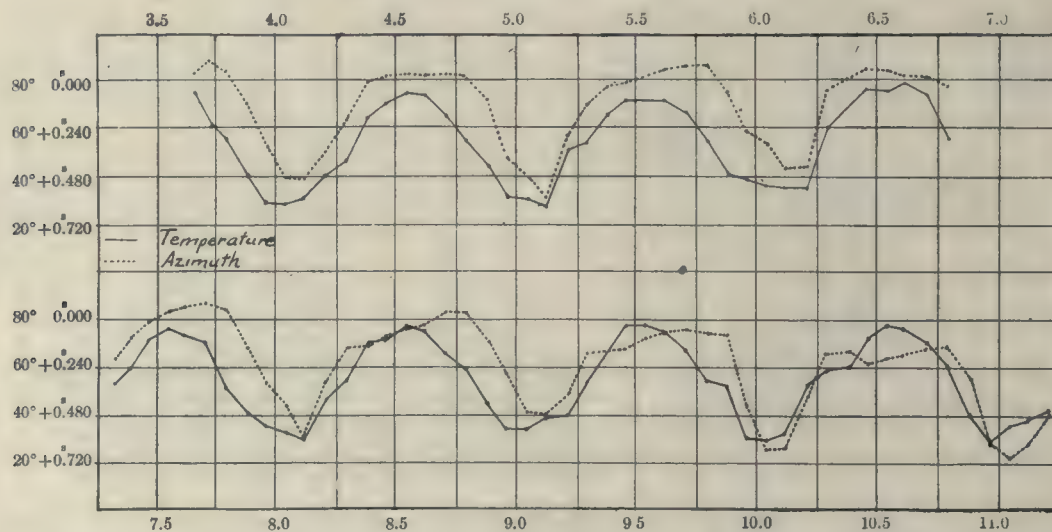


was, in general, moved, thus changing the absolute value of the collimation constant as well. Therefore, the diagram for the collimation constant is discontinuous at the end of each clamp year. Because of frequent adjustments during the first clamp year this portion of the diagram is omitted. In order that the results for the different

years may be brought into one diagram, an arbitrary constant has been added to each year's results, and that the variation in the collimation constant and the temperature may always have the same sign, the sign of the collimation constant has been changed when the position of the transit circle was clamp east.

The level constant was increased about $0^s.150$ when the transit circle was reversed in the summer of 1904, and decreased about $0^s.400$ at the reversal in 1905.

FIGURE 3.—Diagram Showing Annual Variation of the Azimuth Constant With Change of Temperature, 1903–1911.

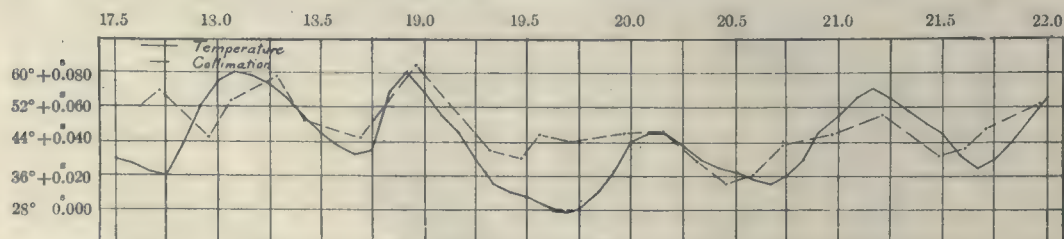


The level constants of each of the first two clamp years have therefore been changed by an arbitrary amount, so that they may be plotted in the same diagram with the results of the later years.

No change was made in the values of the azimuth constant and they have been plotted as observed.

In May, 1909, one of the wye blocks was tightened up and in November, 1909, the wye bearings were resurfaced.

FIGURE 4.—Diagram Showing Daily Variation of the Collimation Constant With Change of Temperature, April 17–22, 1904

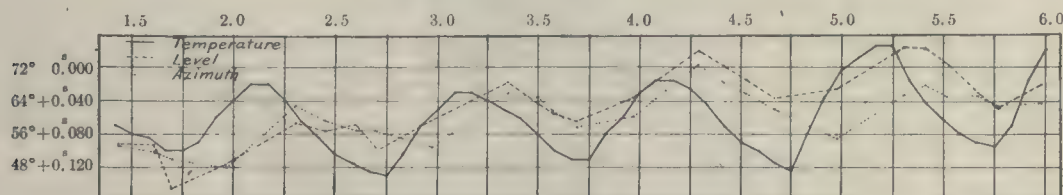


In plotting, the collimation constant was supposed to vary $0^s.004$, the level constant $0^s.010$, and the azimuth constant $0^s.012$ for a change in temperature of one degree Fahrenheit. The diagrams show these values to be very near to the true values as far as the annual change is concerned. They further show that while the collimation constant changes almost immediately with the change in temperature, the level and azimuth constants reach a maximum or a minimum value about a month after the temperature has passed through one such phase.

Further, the azimuth curve is relatively steep at low temperatures and flat at high temperatures, showing that the change in the azimuth constant is greater per degree in winter than in summer.

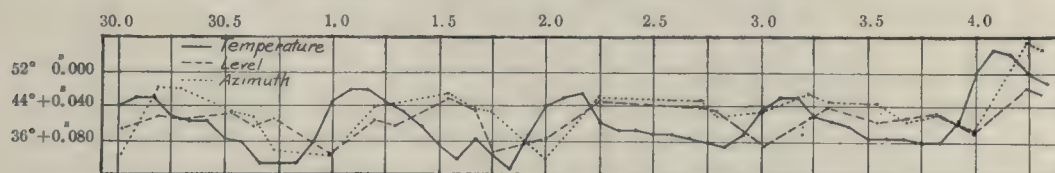
From the method of treatment in the foregoing discussion, any daily variation of the instrumental constants with change of temperature would not be noticed. To test the daily variations, numerous periods of a few days' duration each were se-

FIGURE 5.—Diagram Showing Daily Variation of the Level and Azimuth Constants With Change of Temperature, May 1-6, 1904.



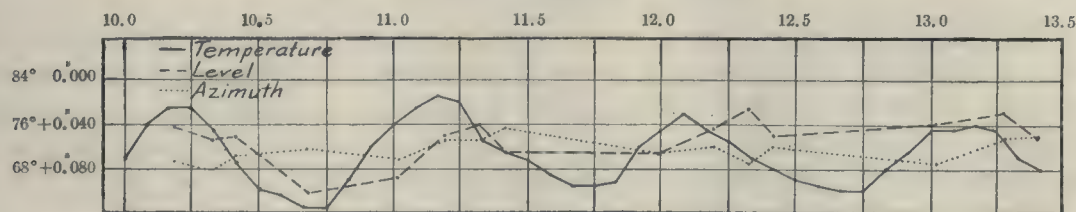
lected during which continuous series of observations are available. For each period a plot was made of the individual determinations of the constants and the readings of the thermometer. The facts revealed by these plots are shown in the four accompanying diagrams, Figures 4, 5, 6, and 7, which may be considered typical

FIGURE 6.—Diagram Showing Daily Variation of the Level and Azimuth Constants With Change of Temperature, November 30-December 4, 1909.



of all. In general, the change in any constant for a given change of temperature in these daily plots was one-half or less than one-half of what it was shown to be in the annual plots. Further, the change per degree of temperature was a function of the temperature. For low temperatures the collimation constant showed no change with the daily change of temperature, while for high temperatures the

FIGURE 7.—Diagram Showing Daily Variation of the Level and Azimuth Constants with Change of Temperature, August 10-13, 1910.



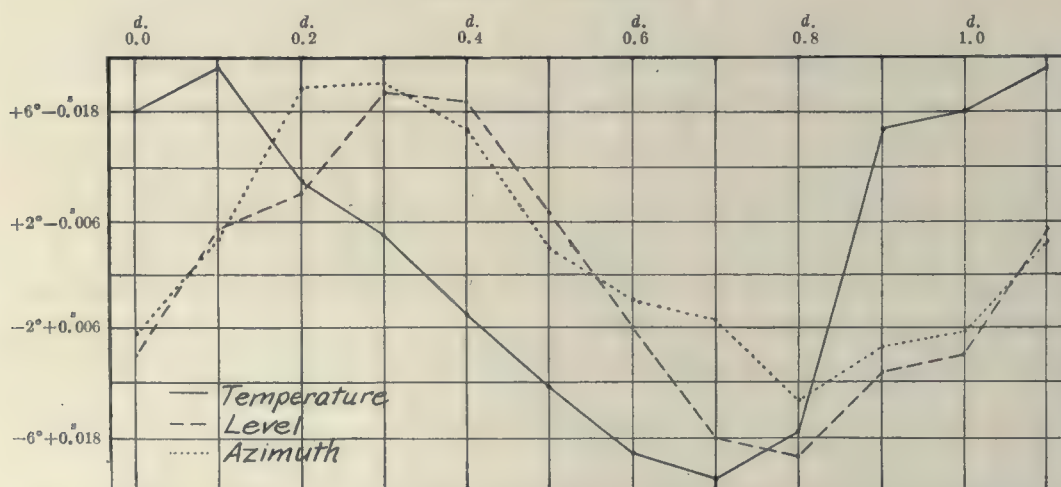
change was about $0^{\circ}.002$ per degree Fahrenheit. For the level constant the daily variation per degree Fahrenheit was practically constant throughout the year, while for the azimuth constant the daily variation per degree Fahrenheit was a maximum at low temperatures and practically zero at high temperatures. In Figure 4 the diagram is plotted on the scale $dc = 0^{\circ}.0025 \text{ dt}$. In Figures 5, 6, and 7 the diagrams are plotted on the scale $da = db = 0^{\circ}.005 \text{ dt}$.

The last four diagrams show that while the collimation constant changes almost immediately with the change in temperature, the level and azimuth constants reach a maximum or a minimum value several hours after the temperature has passed through one such phase. A numerical discussion of the data gives this lag as about five hours.

In order to show the average daily variations of the azimuth and level constants, on 109 days when constants were determined frequently during a period covering 12 hours or more, the mean of two or three sets around midnight gave, for each day, a zero point for each constant, which was subtracted from each value of that constant for the day. The temperature throughout the day was treated in the same manner. These residuals were then collected by the tenth of the day and the mean taken for each tenth. These results are plotted in Figure 8 on the scale $da \doteq db = 0^{\circ}.003 dt$. The fact of the lag just referred to is clearly shown in this diagram.

A more detailed discussion of the variations of the instrumental constants with temperature is contained in an article in *Popular Astronomy*, Volume 14, on

FIGURE 8.—*Diagram Showing Average Daily Variation of the Level and Azimuth Constants With Change of Temperature.*



The Effect of Temperature upon the Constants of a Transit Circle, by HERBERT R. MORGAN.

The entire mass of constants, 1903–1911, was examined in the light of the results just given, and when any marked deviation from the above variations appeared, the recorded observation and the reduction of the same were reexamined. Occasionally it was found necessary to reject some of the observations for the determination of the constants, see page A xxiv et seq.

All the diagrams of this section and the three appearing later in the volume were drawn by Assistant J. J. ARNAUD, of the Nautical Almanac Office, and the photographs for the half-tones were made by Assistant G. H. PETERS, of the Observatory.

THE AZIMUTHS OF THE MARKS.

The azimuths of the marks were deduced from observations of close circumpolar stars, the distance from b_5 of the image of each mark as seen in the transit circle being determined at the time of the observation of each circumpolar.

The following circumpolars were used for that purpose:

λ Ursæ Minoris.	51 H. Cephei.	158 H ¹ . Cephei.
4 B. Ursæ Minoris.	39 H. Cephei.	ϵ Ursæ Minoris.
α Ursæ Minoris.	δ Ursæ Minoris.	76 Draconis.
6 B. Ursæ Minoris.	43 H. Cephei.	1 H. Draconis.
57 B. Ursæ Minoris.	151 H ¹ . Cephei.	30 H. Camelopardalis.

the first 11 being observed eye and ear and the time of transit of the last 4 being recorded on the chronograph.

A pair of these stars, one above and one below the pole, with two or more equatorial stars, was observed two or three times a week.

In deducing the azimuth of the transit circle from the observation of a close circumpolar star, MAYER'S formula for reducing transits to the meridian was used as follows:

Let

T =the observed clock time of a star's transit over the mean thread.

ΔT =the correction to the clock time.

α =the star's apparent right ascension.

$A=\sin(\varphi-\delta)\sec\delta$

$B=\cos(\varphi-\delta)\sec\delta$

Then

$C=\sec\delta$

$$\alpha=T+\Delta T+aA+bB+cC$$

where a , b , and c are the azimuth, level, and collimation constants, φ the latitude of the transit circle, and δ the declination of the star.

Indicating by an accent the corresponding quantities for a clock star, we have

$$\alpha'=T'+\Delta T+a'A'+bB'+cC'$$

Subtracting these two equations, and solving for a , we have

$$(A-A')a=[\alpha-(T+bB+cC)]-[\alpha'-(T'+bB'+cC')]$$

The values of a were deduced using the values of the collimation constant from the horizontal collimators and of the level constant from the nadir observation, the right ascensions of the stars being those of NEWCOMB'S Fundamental Catalogue, Astronomical Papers of the American Ephemeris, Volume VIII, Part II.

Having thus determined a , A_n , and A_s , the azimuths of the north and south marks, respectively, follow immediately from page A XXVI.

and

$$A_n=a-K_n$$

$$A_s=a-K_s.$$

These individual determinations were divided into groups covering periods of one or two months, and the mean of each group was adopted as the azimuth of the mark during the corresponding period. The values of the azimuths of the marks thus determined and given in columns 3 and 4, A_n' and A_s' , Table XVIII, were used in obtaining the azimuth constants of the transit circle given in columns 6 and 7, Table XXI. From September, 1903, to September, 1904, only, a second approximation was made by considering in deducing the azimuths from the observation of the circumpolar stars the final values of the collimation and level constants referred to above. The maximum change in any adopted azimuth of the mark was 0^s.009, and the mean of all the changes of the year, disregarding sign, was 0^s.0035.

Before September, 1908, all the azimuth star observations were made at night or in the dim twilight; after that date the observations were made between 5 and

7 both morning and evening, except that in the summers of 1909 and 1910 α Ursæ Minoris and δ Ursæ Minoris were observed in full daylight.

After September, 1908, except from March 25 to April 30, 1909, the number of observations of each star by the same observer in a given group was equally divided between the above pole and below pole observations, so that the resulting positions of the mark were independent of the ephemeris position of the star and of the personal equation of the observer, except as that equation was different for stars above and below pole. This difference in personal equation for stars observed above and below pole was investigated, see page A LIX et seq., and the maximum effect on any adopted position of the mark was $0^s.003$, the average being $0^s.001$. The observed positions of the azimuth stars determined during this epoch are therefore fundamental.

For six months during each of the winters of 1908-9, 1909-10, and 1910-11 effort was made to obtain about 10 observations above and 10 below pole of each of the circumpolar stars that had been used for the determination of the azimuth of the marks.

From these observations and the personal equations of the observers given on page A LX the following corrections were obtained to NEWCOMB's right ascensions of these stars:

Star.	R. A.	Decl.	No. Obs.	$\Delta\alpha$	Star.	R. A.	Decl.	No. Obs.	$\Delta\alpha$
From Eye and Ear Observations.									
	h	°		s		h	°		s
λ Ursæ Minoris.....	19.2	+89.0	54	-0.22	39 H. Cephei.....	23.5	+86.8	56	+1.38
4 B. Ursæ Minoris.....	8.2	+88.9	53	+0.46	δ Ursæ Minoris.....	18.0	+86.6	102	-0.02
α Ursæ Minoris.....	1.5	+88.8	62	+1.24	43 H. Cephei.....	0.9	+85.8	39	+0.24
6 B. Ursæ Minoris.....	12.2	+88.2	47	+0.45	151 H ¹ . Cephei.....	4.1	+85.3	43	+0.26
57 B. Ursæ Minoris.....	15.1	+87.6	47	-0.59	158 H ¹ . Cephei.....	5.6	+85.2	32	+0.36
51 H. Cephei.....	7.0	+87.2	52	+0.57					
From Chronograph Observations.									
ϵ Ursæ Minoris.....	16.9	+82.2	56	-0.01	1 H. Draconis.....	9.4	+81.7	43	-0.01
76 Draconis.....	20.8	+82.2	39	+0.02	30 H. Camelopardalis...	10.2	+83.0	29	+0.04

The changes in the adopted positions of the marks arising from correcting NEWCOMB's right ascensions of the azimuth stars by the above quantities, are given in column 10, $\Delta\alpha_1$, Table XVIII. The maximum change, $0^s.024$, is due to the large correction $+1^s.38$ to the right ascension of 39 H. Cephei.

By means of the personal equation corrections given on page A LXVI, and the corrections to the ephemeris right ascensions of the azimuth stars just given, a correction to the preliminary azimuth of the mark was determined for each star and each observer, except Ei. and T., see page A LXI, and applied to all observed positions of the marks 1903-1911, thus bringing the latter to a uniform and fundamental basis.

To avoid the necessity of interpolating from one adopted azimuth of the mark to the next, the definitive observed values were redivided into smaller groups covering shorter periods of time. The observed values were carefully examined in a search for points of probable discontinuity. All such points were used as points of division between consecutive groups. In each of these groups the number of observations by the same observer was equally divided between the above pole and below pole observations, for the eye and ear stars and for the chronograph stars separately. Because of this balancing of observations, it happens that some of the observations used in determining the preliminary values of the azimuths of the marks have been omitted in the definitive values.

The finally adopted positions of the marks, A_n'' and A_s'' , are given in columns 5 and 6, Table XVIII.

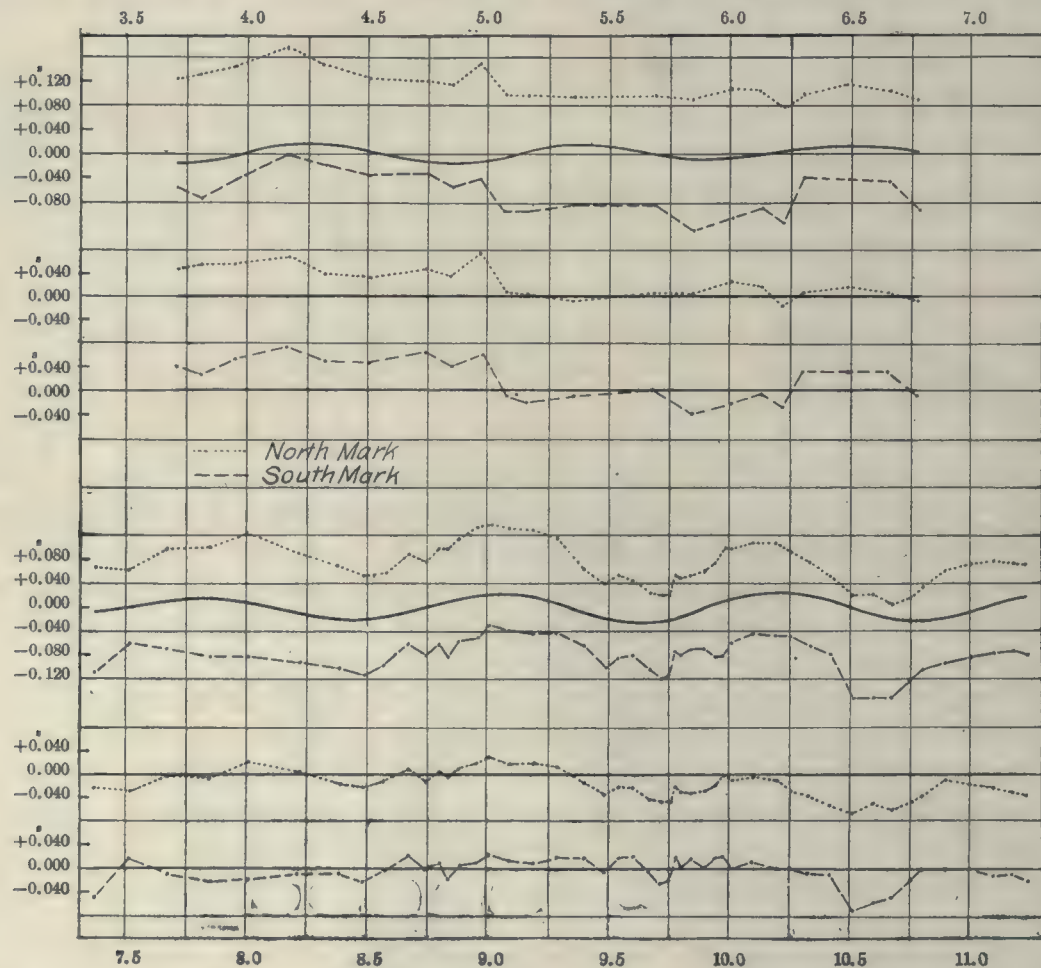
The persistent, though small, difference between the azimuth of the mark as derived from observations above the pole, 1903 to 1908, and that derived from observations below the pole, $A_u''-A_l''$, column 8, Table XVIII, led to a revision of the personal equation corrections, page A LXX, the use of which caused the mean difference for the entire period to vanish. The changes in the adopted values of the azimuth of the marks produced by using these revised personal equations, and the definitive personal equations for chronograph stars, page A LXXV, are given in column 9, $\Delta A''$, of Table XVIII. Because of the smallness of these changes, the already determined values of the azimuths of the marks, A_n'' and A_s'' , were adopted as the definitive values.

The correction, Δa , to the preliminarily adopted azimuth of the line joining the two marks to obtain the finally adopted value, and which is the definitive correction to the previously adopted azimuths of the instrument, columns 6 and 7, Table XXI, is given in column 11, Table XVIII.

These values of the positions of the marks, all the values for each mark being reduced to the same reading of the mark lens scale, are plotted in the accompanying diagram, Figure 9. The upper portion of the diagram covers the period from September, 1903, to October, 1906, the lower from April, 1907, to April, 1911. In the top half of each portion of the diagram the changes in the position of the north mark are represented on a broken line of dots, and the changes in the position of the south mark are represented on a broken line of dashes. Between these two broken lines is drawn a continuous curved line representing the motion of the marks in azimuth due to the motion of the pole of the Earth in accordance with the results of the International Geodetic Association's latitude stations. Eliminating this polar motion from the observed motions of the marks, the residual motions of the marks are represented by the two curves in the bottom half of each portion of the diagram. An examination of the diagram shows that the residual positions of the marks would fall more nearly upon the straight line if a slightly larger motion of the pole of the Earth were assumed than that given by the International Latitude observations. The strongest evidence of the reality of this larger motion is from the observations of the last two years, but unfortunately, during the summer months of these two years observations of α Ursæ Minoris and of δ Ursæ Minoris for the determination of the positions of the marks were made as much as several hours after sunrise and before sunset. There is much evidence to indicate that the personal equation by daylight is different from

that by night though not enough to evaluate this difference. How much of the deviation of the residual positions of the marks from the straight line during these two years may be due to the introduction of daylight observations it is impossible to state. Otherwise the change from one group mean to the next is rarely larger than would be expected from the probable error of a group mean, about $0^s.003$, except at 1905.0 when there was a sudden change in the azimuths of the marks, the mean azimuths after that period differing from those before it by about $0^s.05$. While it is not possible to state that the whole of this change occurred between January 10 and 12, the point at which one group ends and the

FIGURE 9.—Diagram Showing Changes in the Azimuth of the Meridian Marks, 1903–1911.



next begins, the evidence is quite conclusive that it occurred between December 30 and January 15. No satisfactory explanation of this change has been found.

No evidence of a change in the positions of the marks with a period of a day has been found. There is practically no change following the large annual change of temperature, and in an examination of some 1,000 observations no difference was found between the morning and evening determinations of the positions of the marks. These two facts give negative evidence that there is no appreciable daily motion of the marks. There is a small difference in the collimation of the transit circle as derived from the horizontal collimators, and from readings on the two marks, and

while the difference is constant in sign it is quite different in size for different observers so that it is attributed to personal equation rather than to the fact that the noon position of the marks is materially different from that in the early morning and evening, when the adopted positions of the marks are chiefly determined.

In order to determine whether or not the adopted position of the marks is independent of the position of the transit circle, the difference in the two determinations of the position of the marks first with the instrument clamp west and then with it clamp east was obtained on two different occasions. On the first occasion the difference (clamp west—clamp east) was $+0^{\circ}.01$, and on the second $-0^{\circ}.01$. It is therefore assumed that the adopted positions of the marks are independent of the clamp of the transit circle.

The general stability of the marks is considered very satisfactory, enabling one to obtain the azimuth of the instrument at any time in spite of the large daily variation of that constant shown on page A xxx.

CLOCK CORRECTIONS AND RATES.

Preliminary clock corrections.—The list from which were selected the stars observed in determining the clock correction contains 277 stars, see Table XIX. The positions of these stars are those of NEWCOMB's Catalogue of Fundamental Stars, *Astronomical Papers of the American Ephemeris*, Volume VIII, Part II. The apparent places were obtained from the *American Ephemeris*, the *Nautical Almanac*, the *Connaissance des Temps*, or the *Berliner Astronomisches Jahrbuch*, the first one of this list in which the desired star is found being always used, the positions from the *Berliner Jahrbuch* being reduced to NEWCOMB's mean place. As all stars of magnitude 6.0 or brighter were screened during observing, page A xviii, before computing the individual clock corrections the ephemeris right ascensions were increased $+0^{\circ}.02$ when Screen I was used, $+0^{\circ}.03$ when Screen II was used, and $+0^{\circ}.05$ when Screen III was used, see column 5, Table XIX. These corrections were obtained by determining the relative magnitude equation of NEWCOMB's and BOSS's catalogues and applying it to the magnitude equation of the latter catalogue as given by BOSS, *Astronomical Journal* No. 536. All the observations used in the adopted clock corrections were made with artificial field illumination and at night, the observing list never extending far enough into the twilight for daylight to affect the character of the artificial field illumination. The average magnitude of observation of the clock stars was 8.0. As the deviation from this average magnitude was in case of only a few adopted clock corrections more than one magnitude, no correction for the magnitude equation of the several observers has been applied to the adopted clock corrections, though these equations were determined, see page A lxxvi.

The distribution of the clock stars over the face of the sky is given in the following table:

Distribution of Clock Stars.

R.A. Decl.	0 ^h .0 to 0 ^h .9	1 ^h .0 to 1 ^h .9	2 ^h .0 to 2 ^h .9	3 ^h .0 to 3 ^h .9	4 ^h .0 to 4 ^h .9	5 ^h .0 to 5 ^h .9	6 ^h .0 to 6 ^h .9	7 ^h .0 to 7 ^h .9	8 ^h .0 to 8 ^h .9	9 ^h .0 to 9 ^h .9	10 ^h .0 to 10 ^h .9	11 ^h .0 to 11 ^h .9	12 ^h .0 to 12 ^h .9
+30°.0 to +20°.1....	3	3	4	3	2	3	5	6	4	2	3	1	1
+20°.0 to +10°.1....	1	2	1	3	4	2	3	1	2	4	3	2	1
+10°.0 to + 0°.1....	2	5	5	3	3	1	2	1	3	2	3	5	3
0°.0 to -10°.0....	4	1	3	1	4	8	1	0	1	1	0	1	1
-10°.1 to -20°.0....	1	2	0	2	1	1	2	1	0	0	3	1	2
+30°.0 to -20°.0....	11	13	13	12	14	15	13	9	10	9	12	10	8

R. A. Decl.	13 ^h .0 to 13 ^h .9	14 ^h .0 to 14 ^h .9	15 ^h .0 to 15 ^h .9	16 ^h .0 to 16 ^h .9	17 ^h .0 to 17 ^h .9	18 ^h .0 to 18 ^h .9	19 ^h .0 to 19 ^h .9	20 ^h .0 to 20 ^h .9	21 ^h .0 to 21 ^h .9	22 ^h .0 to 22 ^h .9	23 ^h .0 to 23 ^h .9	0 ^h .0 to 23 ^h .9
+30°.0 to +20°.1....	1	2	4	1	3	3	1	1	2	4	3	65
+20°.0 to +10°.1....	2	2	2	1	2	1	6	2	1	1	2	51
+10°.0 to + 0°.1....	1	1	2	2	2	2	4	1	2	2	5	62
0°.0 to -10°.0....	3	3	2	2	1	3	2	3	2	5	1	53
-10°.1 to -20°.0....	2	4	3	3	2	0	1	4	6	3	2	46
+30°.0 to -20°.0....	9	12	13	9	10	9	14	11	13	15	13	277

From each observation of a clock star was obtained a correction to the clock,

$$\text{Clock Correction} = \alpha_{\text{eph.}} + \text{screen corr.} - (T + m + n \tan \delta + c \sec \delta + \text{pivot corr.}^1)$$

and all the clock corrections determined during the night by a single observer, provided at least four standard stars between declination +30° and -20° were observed during the night,² were united into a mean clock correction. All these mean clock corrections are found in column 5, Table XX. Column 4 gives the mean of the sidereal times of the individual corrections and column 3 the number of individual corrections in each mean.

Relative personal equation of the observers.—In order to combine into one general mean for the night, the clock corrections of different observers, or to use clock corrections determined by one observer in reducing the work of another, it was necessary to determine the relative personal equations of the several observers. This was done as follows: Treating each man's work separately, clock rates were derived from successive clock corrections when in general the interval between them was not less than three nor more than five days. The clock rates thus derived from the work of the different observers were arranged in chronological order and from an inspection of this series preliminary clock rates were adopted, constant over as long a period as the individual clock rates indicated that the adopted hourly rate was correct to within 0^s.001. With these preliminary rates the different clock corrections during each night were reduced to the same instant of time and the difference between each pair of such clock corrections was taken as one determination of the relative personal equation of the two corresponding observers. The results thus obtained were treated by the method of least squares in groups covering periods a few months in length, the clock corrections determined by different observers being given equal weight. The results follow, with the finally adopted corrections by clamp years:

¹ See pages A xxiii, A xxiv.

² See page A lvi.

*Corrections to Reduce Observed Clock Corrections of Different Observers to a Uniform System,
1903-1906.*

[The clock corrections of Observer Ei. are taken as the system of reference.]

Interval.	L.		R.		Br.		M.		T.		Y.	
	$\Delta\alpha$	Wt.	$\Delta\alpha$	Wt.	$\Delta\alpha$	Wt.	$\Delta\alpha$	Wt.	$\Delta\alpha$	Wt.	$\Delta\alpha$	Wt.
1903	s		s		s		s		s		s	
Sept. 5 to Oct. 5.....	+0.210	11	+0.051	9	.....	..	.....	..	.....	..	.....	..
Oct. 12 to Nov. 13.....	+0.195	5	+0.048	4	+0.188	5	.....	..	.....	..	.....	..
1904												
Jan. 30 to Mar. 30.....	.....	..	+0.056	8	+0.139	12	+0.065	7	.....	..	.....	..
Apr. 3 to May 14.....	.....	..	+0.052	8	+0.119	8	+0.052	8	.....	..	.....	..
May 24 to Aug. 16.....	.....	..	.....	..	+0.112	11	+0.019	6	+0.127	4	.....	..
Sept. 7 to Nov. 12.....	.....	..	.....	..	+0.100	8	-0.031	8	+0.129	5	0.000	5
Nov. 14 to Mar. 16.....	.....	..	.....	..	+0.112	7	0.000	9	.....	..	-0.015	4
	Hl.		Bs.						P.			
	$\Delta\alpha$	Wt.	$\Delta\alpha$	Wt.					$\Delta\alpha$	Wt.		
1905	s		s						s			
Mar. 25 to June 20.....	+0.143	6	.....	..	+0.088	16	+0.002	10	.....	..	-0.030	9
Aug. 18 to Nov. 24.....	+0.127	8	-0.144	7	+0.110	4	.....	..	.....	..	.....	..
Dec. 4 to Feb. 8.....	+0.134	19	-0.131	16	+0.131	16	.....	..	.....	..	.....	..
1906												
Feb. 9 to May 5.....	+0.091	7	-0.129	14	+0.104	17	.....	..	.....	..	.....	..
June 22 to Oct. 26.....	+0.096	11	.....	..	+0.138	6	.....	..	+0.020	6	.....	..

*Corrections to Reduce Observed Clock Corrections of Different Observers to a Uniform System,
1907-1910.*

[The clock corrections of Observer M. are taken as the system of reference.]

Interval.	Hl.		P.		Ei.		Fk.		L.	
	$\Delta\alpha$	Wt.	$\Delta\alpha$	Wt.	$\Delta\alpha$	Wt.	$\Delta\alpha$	Wt.	$\Delta\alpha$	Wt.
1907	s		s		s		s		s	
Apr. 19 to July 31.....	+0.068	17	+0.029	14	+0.019	7	.....	..	.....	..
Aug. 6 to Oct. 10.....	+0.073	11	+0.052	8	+0.021	0.7	.....	..	.....	..
Oct. 13 to Dec. 25.....	+0.068	10	+0.073	9	+0.035	0.7	.....	..	.....	..
1908										
Jan. 9 to Apr. 22.....	+0.049	7	+0.096	12	+0.032	0.3	+0.122	6	.....	..
May 1 to July 21.....	.....	..	+0.106	22	.....	..	+0.047	14	.....	..
July 28 to Oct. 21.....	.....	..	+0.097	12	.....	..	+0.065	8	+0.135	2
Oct. 30 to Feb. 5.....	.....	..	+0.094	12	.....	..	.....	..	+0.120	8
1909										
Feb. 11 to Apr. 29.....	.....	..	+0.087	10	.....	..	.....	..	+0.106	8
May 11 to Aug. 21.....	.....	..	+0.052	2	.....	..	.....	..	+0.085	2
Aug. 22 to Dec. 5.....	.....	..	+0.046	14	.....	..	.....	..	+0.106	11
Dec. 17 to June 22.....	.....	..	+0.034	6	.....	..	.....	..	+0.098	6
1910										
June 22 to Aug. 31.....	.....	..	+0.077	5	.....	..	.....	..	+0.114	5
Sept. 21 to Nov. 21.....	.....	..	+0.033	4	.....	..	.....	..	+0.110	4

Adopted Corrections to Reduce Observed Clock Corrections of Different Observers to a Uniform System.

Interval.	Clamp.	Observers.										
		Ei.	L.	R.	Br.	M.	T.	Y.	Hl.	Bs.	P.	Fk.
Sept., 1903, to Aug., 1904..	W.	s	s	s	s	s	s	s	■	s	s	s
Sept., 1904, to June, 1905..	E.	0.000	.....	.....	+0.097	-0.008	+0.128	-0.018	+0.120	.....	.....	.....
Aug., 1905, to Oct., 1906..	W.	0.000	.....	.....	+0.120	.....	.....	.....	.....	-0.133	+0.020	.....
Apr., 1907, to Apr., 1908..	E.	+0.021	.....	.....	.....	0.000	.....	.....	+0.066	.....	+0.061	+0.078
May, 1908, to May, 1909..	W.	.....	+0.115	.....	.....	0.000	.....	.....	.....	.....	+0.098	.....
May, 1909, to Apr., 1911..	E.	.....	+0.106	.....	.....	0.000	.....	.....	.....	.....	+0.048	.....

Preliminary adopted clock corrections.—The ephemeris places having been corrected for the screen correction, each clock correction was reduced to the standard observer by the application of the relative personal equation, and the mean of all the corrections on a given night was then taken as the preliminary adopted clock correction from that night's work, column 7, Table XX, the epoch being the mean of the times of transit of the separate clock stars, column 6. Before using this standard clock correction in reducing the work of a particular observer the correction for personal equation of that observer, see table of *Adopted Corrections* given above, was subtracted.

Clock corrections for Sun, Moon, and planets.—Observations of the Moon and planets made on a night when a clock correction was determined were reduced as the star observations. For the reduction of the observations of the Sun, Mercury, Venus, and of the day observations of the Moon, a set of noon clock corrections was computed from the table of preliminary adopted clock corrections in the following manner: Each noon clock correction is the mean of the immediately preceding and immediately following preliminary adopted clock corrections carried to the noon in question with the definitive clock rates described below. In every case where the two clock corrections, reduced to a common epoch, differed by as much as $0^s.15$ or were as much as 11 days apart no mean was formed and no right ascension was determined for the objects observed during that day. The observations on other days were similarly treated when the circumstances seemed to call for such action, although the difference and interval were well within the above limits. The largest difference in a case where a noon clock correction was adopted, $0^s.14$, arose from the two clock corrections of November 3.5 and November 5.5, 1908, and the longest interval between a pair of clock corrections was from February 7.7 to February 18.3, 1910. These two clock corrections when reduced to a common epoch differ by only $0^s.04$ and the resulting corrections to the ephemeris of the Sun on February 8.0 and February 18.0 are accordant with the others determined at that period.

In seven cases the observations were reduced from a single clock correction of the night either immediately before or immediately after.

In a few cases a night observation of the Moon or a planet was reduced in a manner similar to that just described when no clock correction was determined for that night.

Variation of rate of clock during 24 hours.—To test the clocks for irregularities during a period of a day, RIEFLER No. 70 and RIEFLER No. 82 were compared every morning and afternoon and frequently twice during the night from January 19 to February 2, 1906, and a second time from February 23 to March 9 of the same year. Between these two periods RIEFLER No. 70 was dismantled, cleaned, and set up again. The probability that any periodic irregularities that might exist in these clocks would be in the same phase in both clocks in both series of comparison is small.

The relative daily rate of the two clocks was in the first period,

$$0^{\circ}.1428 + 0^{\circ}.00084 (T - \text{Jan. } 26.2)$$

and in the second,

$$0^{\circ}.0297 + 0^{\circ}.00030 (T - \text{Mar. } 1.6)$$

The residuals arising from the comparison of the observed and computed differences between the two clocks were then grouped with respect to the tenth of a day at which the clock comparison was made with the following result:

Decimal of Day.	January 19 to February 2, 1906.			February 23 to March 9, 1906.		
	No. Comp.	Mean Residual.	Mean Residual.	No. Comp.	Mean Residual.	Mean Residual.
		s	s		s	s
.0	..	.....	+0.003	..	.....	-0.001
.1	13	+0.003		15	-0.001	
.2	2	+0.001		..	.....
.3	1	+0.005	-0.001	6	+0.001	-0.001
.4	7	+0.001		7	0.000	
.5	2	-0.012		..	.....
.6	5	-0.001	-0.003	4	-0.005	+0.001
.7	..	.....		..	.....
.8	..	.....		..	.....
.9	12	-0.003		14	+0.001	

Definitive clock rates.—For a determination of the definitive clock rates it was thought neither necessary nor desirable to use all the available adopted clock corrections, and, in selecting material for this purpose, two ends were kept in view, (1) to select the corrections of greatest weight, and (2) to have successive corrections about four days apart. The actual intervals in days between successive clock corrections used in the rate discussion are given in column 2 of the table following. The difference between two successive clock corrections, divided by the interval between their epochs, gave the average clock rate during the interval between the two corrections. This was assumed to be the clock rate at the instant midway between the epochs of the two clock corrections. These rates, *Observed Hourly Rates*, are given in column 6 of the table following. Column 1 gives the time for which the observed rate is assumed to be applicable and columns 3 and 4 give the mean temperature and barometric pressure in the clock case during the interval between the two clock corrections from which the rate is obtained.

Observed Rates of the Standard Sidereal Clock.

Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C	Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C
		Temperature.	Pressure.						Temperature.	Pressure.			
Period 1.							Period 3—Continued.						
1903	d	°	mm		s	s	1903	d	°	mm		s	s
Sept. 5.0	3.2	23.5 C.	661	1	−0.0017	+0.0001	Dec. 28.5	1.6	28.1 C.	654	1	+0.0078	−0.0012
9.0	4.9	24.0	662	1	−0.0015	+0.0006	30.3	2.0	28.2	656.5	1	+0.0122	+0.0011
13.5	4.1	24.5	663	1	−0.0028	−0.0002	Mean Residual						0.0012
17.5	3.9	24.0	662	1	−0.0046	−0.0008	Period 4.						
21.0	3.0	23.5	661	1	−0.0054	−0.0006	1904						
24.0	3.0	24.5	663	1	−0.0048	−0.0002	Jan. 14.0	0.6	28.2 C.	632	1	+0.0033	.....
27.0	3.0	25.0	664	1	−0.0046	+0.0001	15.0	1.2	28.1	634	1	+0.0008	.....
30.0	3.1	25.0	664	1	−0.0046	+0.0007	17.0	2.7	28.1	639	1	+0.0048	.....
Oct. 2.1	Pressure increased 5 ^{mm} .						19.5	2.5	28.4	645	1	+0.0051	.....
8.5	8.0	25.25	669.5	1	−0.0013	−0.0005	Period 5.						
14.0	2.9	25.5	670	1	−0.0006	+0.0011	Jan. 25.0	0.9	28.1 C.	632	1	+0.0018	+0.0014
17.5	4.1	26.0	671	1	−0.0022	−0.0002	26.4	2.0	28.2	636	1	+0.0024	−0.0009
21.0	2.9	28.0	676	1	+0.0001	−0.0001	27.4	Pressure reduced 9 ^{mm} .					
24.5	4.2	27.0	675	1	−0.0012	−0.0011	29.0	2.6	28.1	631	1	0.0000	−0.0002
28.0	2.8	27.0	677	1	+0.0021	+0.0005	Feb. 1.0	3.1	28.2	631	1	−0.0010	−0.0014
Mean Residual						0.0005	3.0	1.1	28.7	632	1	−0.0002	−0.0010
Period 2.							4.0	0.8	28.5	633	1	+0.0040	+0.0021
Nov. 5.0	3.0	28.0 C.	688	1	+0.0204	.....	Mean Residual						0.0012
8.0	3.1	27.5	690	1	+0.0213	.....	Period 6.						
11.0	3.1	28.0	693	1	+0.0225	.....	Feb. 10.0	3.0	28.3 C.	631	1	+0.0008	+0.0004
Period 3.							13.5	3.8	28.5	631.5	1	−0.0006	−0.0003
Nov. 21.0	0.5	27.9 C.	661.5	1	+0.0209	+0.0036	18.0	5.0	28.3	631.5	1	+0.0002	+0.0003
22.2	Pressure reduced 10 ^{mm} .						Mar. 3.0	3.1	28.2	631	1	−0.0011	−0.0006
23.5	1.6	27.9	654.5	1	+0.0103	−0.0008	7.0	5.0	28.2	631	1	−0.0004	+0.0003
25.4	2.3	28.0	657	1	+0.0124	−0.0008	13.0	7.0	28.1	631.5	1	−0.0009	−0.0002
27.4	1.8	28.0	660	1	+0.0158	+0.0001	17.5	2.0	28.1	631	1	−0.0018	−0.0009
28.4	Pressure reduced 8 ^{mm} .						20.5	4.1	28.0	631	1	−0.0009	0.0000
30.4	1.7	28.1	656	1	+0.0115	−0.0006	24.0	3.0	28.0	631	1	−0.0012	−0.0002
Dec. 2.4	3.2	28.1	658.5	1	+0.0140	−0.0001	27.0	3.0	27.7	631	1	+0.0001	+0.0007
4.4	1.8	28.1	661.5	1	+0.0133	−0.0033	31.5	5.9	27.7	631	1	−0.0003	+0.0005
5.9	Pressure reduced 11 ^{mm} .						Apr. 4.5	2.0	27.4	631	1	+0.0007	+0.0011
8.6	2.2	28.0	655.5	1	+0.0116	+0.0003	9.5	8.1	26.9	631	1	+0.0001	−0.0005
10.6	1.8	28.0	658	1	+0.0131	−0.0002	15.0	2.9	26.5	631	1	+0.0011	+0.0002
12.9	Pressure reduced 10 ^{mm} .						18.0	3.1	26.3	631	1	+0.0014	+0.0003
15.6	2.0	28.2	653.5	1	+0.0109	+0.0017	21.0	3.0	26.4	631	1	+0.0001	−0.0007
20.1	Pressure reduced 10 ^{mm} .						27.0	9.1	25.0	631	1	+0.0012	−0.0020
24.8	3.1	28.2	656	1	+0.0117	+0.0008							
26.9	Pressure reduced 8 ^{mm} .												

From Jan. 27.4 to May 19.5, 1904, pressure reduced about 2^{mm} each evening.

Observed Rates of the Standard Sidereal Clock—Continued.

Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C	Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C
		Temperature.	Pressure.						Temperature.	Pressure.			
Period 6—Continued.							Period 10.						
1904	d	°	mm		s	s	1904	d	°	mm		s	s
May 3.0	2.9	24.3 C.	631.5	1	+0.0047	+0.0004	Sept. 18.5	6.0	24.1 C.	683	1	−0.0014	−0.0002
6.0	3.0	24.1	631	1	+0.0034	−0.0011	24.0	5.0	23.9	682	1	−0.0013	+0.0002
10.0	5.1	24.0	631	1	+0.0067	+0.0021	29.0	5.0	23.8	682	1	−0.0013	+0.0003
Mean Residual.....						0.0006	Oct. 3.1	3.2	23.6	681	1	−0.0014	+0.0005
Period 7.							6.0	2.6	23.5	681	1	−0.0033	−0.0013
May 26.0	3.0	23.2 C.	716.5	1	−0.0070	0.0000	8.9	3.1	23.6	681	1	−0.0015	+0.0005
31.0	7.0	23.2	716	1	−0.0072	−0.0001	Mean Residual.....						0.0005
June 6.0	5.0	22.8	715.5	1	−0.0071	+0.0001	Period 11.						
9.9	2.9	22.5	715	1	−0.0074	0.0000	Oct. 15.5	4.0	25.2 C.	659.5	1	−0.0036	+0.0001
12.9	3.1	22.3	714	1	−0.0086	−0.0002	19.5	4.0	25.2	659.5	1	−0.0041	−0.0004
16.4	4.0	22.3	713.5	1	−0.0083	+0.0003	23.1	3.1	25.2	660	1	−0.0034	+0.0005
20.4	4.0	22.2	713	1	−0.0090	−0.0002	26.0	2.9	25.2	660	1	−0.0046	−0.0006
24.4	4.1	22.1	713	1	−0.0082	+0.0003	29.5	4.0	25.2	660.5	1	−0.0039	+0.0003
28.4	3.9	22.2	713	1	−0.0083	−0.0002	Nov. 1.9	2.8	25.2	661.5	1	−0.0053	−0.0009
Mean Residual.....						0.0002	5.3	4.0	25.2	662	1	−0.0037	+0.0010
Period 8.							9.4	4.3	25.2	662.5	1	−0.0038	+0.0010
July 7.05	1.1	29.9 C.	738	1	+0.0012	+0.0011	13.0	2.9	25.2	663.5	1	−0.0038	+0.0013
9.10	3.0	28.4	733	1.5	+0.0002	−0.0010	16.4	4.0	25.4	664	1	−0.0055	−0.0003
11.05	0.9	27.5	730	1	+0.0032	+0.0008	20.0	3.1	25.6	664	1	−0.0065	−0.0011
12.05	1.1	27.3	729.5	1	+0.0017	−0.0013	25.0	6.9	25.6	664	1.2	−0.0061	−0.0006
13.05	0.9	27.1	728.5	1	+0.0043	+0.0006	30.0	3.1	25.6	664	1	−0.0062	−0.0006
14.00	1.0	27.0	728	1	+0.0052	+0.0009	Dec. 3.9	4.8	25.8	664.5	1.2	−0.0056	+0.0002
14.95	0.8	26.8	728	1	+0.0078	+0.0029	9.3	6.1	26.0	665.5	1.2	−0.0062	0.0000
15.95	1.1	26.7	728	1	+0.0027	−0.0029	14.4	4.0	26.0	666	1	−0.0068	−0.0004
Mean Residual.....						0.0014	18.0	3.2	26.0	666	1	−0.0062	+0.0003
Period 9.							21.0	2.9	26.0	666	1	−0.0068	−0.0002
July 18.5	1.9	26.9 C.	691.5	1	+0.0006	+0.0007	25.4	5.9	25.9	666	1.2	−0.0072	−0.0005
22.5	6.1	26.6	690.5	1	−0.0014	−0.0004	29.4	2.2	26.0	666	1	−0.0064	+0.0004
27.5	3.9	26.0	690	1	−0.0015	−0.0002	1905						
31.5	4.1	25.8	689	1	−0.0029	−0.0006	Jan 1.9	4.8	26.0	666.5	1.2	−0.0063	+0.0007
Aug. 4.5	3.9	25.6	688	1	−0.0026	+0.0006	8.5	8.5	26.0	666.5	1.2	−0.0073	−0.0001
9.0	5.1	25.5	687.5	1	−0.0038	−0.0003	14.6	3.7	25.9	666.5	1	−0.0072	+0.0001
13.5	3.9	25.1	686.5	1	−0.0042	+0.0002	18.0	3.1	25.9	666.5	1	−0.0074	0.0000
Sept 9.5	4.1	24.6	684	1	−0.0058	0.0000	20.5	1.9	25.8	666	1	−0.0070	+0.0005
Mean Residual.....						0.0004	24.9	6.9	26.0	666	1.2	−0.0080	−0.0004
							29.3	2.1	26.0	666	1	−0.0082	−0.0005
							31.8	3.0	26.0	666	1	−0.0073	+0.0006
							Mean Residual.....						0.0005

Observed Rates of the Standard Sidereal Clock—Continued.

Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C	Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C
		Temperature.	Pressure.						Temperature.	Pressure.			
Period 12.							Period 13—Continued.						
1905	d	°	mm		s	s	1905	d	°	mm		s	s
Feb. 8.5	4.0	26.0 C.	681	1	−0.0003	+0.0004	Aug. 30.6	2.1	21.1 C.	664.5	1	+0.0031	−0.0000
12.5	3.8	26.0	681	1	−0.0002	+0.0006	Sept. 2.6	3.9	21.6	664	1	+0.0022	−0.0007
15.9	3.2	26.0	681	1	−0.0016	−0.0008	5.5	2.0	21.4	664	1	+0.0044	+0.0014
19.1	3.2	25.9	681	1	−0.0005	+0.0004	7.5	2.0	20.6	663.5	1	+0.0031	+0.0002
22.6	3.9	25.8	680.5	1	−0.0013	−0.0006	10.5	4.0	20.6	663	1	+0.0031	+0.0004
27.1	5.2	25.7	680.5	1.2	−0.0013	−0.0006	14.0	3.0	20.2	662.5	1	+0.0030	+0.0004
Mar. 4.0	4.6	25.5	680	1.2	−0.0006	0.0000	17.0	3.0	20.1	662.5	1	+0.0018	−0.0009
8.4	4.2	25.4	679.5	1	−0.0002	+0.0002	Mean Residual.....						0.0006
12.0	3.0	25.2	679	1	+0.0002	+0.0003	Period 14.						
15.9	4.9	25.1	679	1.2	+0.0005	+0.0007	Sept. 8.9	2.9	20.6 C.	662.5	1	+0.0100	−0.0007
21.9	7.2	25.0	678	1.2	−0.0002	−0.0004	Oct. 2.4	3.9	20.6	662.5	1	+0.0117	+0.0010
27.0	3.0	24.9	678	1	−0.0009	−0.0010	6.4	4.2	19.9	661.5	1	+0.0105	+0.0001
30.0	3.0	24.8	678	1	+0.0008	+0.0008	10.5	4.0	19.1	661	1	+0.0104	+0.0001
Apr. 1.6	2.2	24.8	678	1	+0.0005	+0.0004	14.9	4.9	18.9	661	1.2	+0.0098	−0.0006
5.2	5.0	24.8	677.5	1.2	+0.0003	0.0000	19.5	4.1	20.1	662.5	1	+0.0117	+0.0008
10.6	5.8	24.8	677	1.2	+0.0002	−0.0002	22.4	1.8	19.4	663	1	+0.0102	−0.0009
15.5	4.0	24.7	677	1	+0.0004	+0.0001	25.8	5.0	19.8	661.5	1.2	+0.0110	+0.0004
19.0	3.0	24.9	677	1	−0.0001	−0.0004	Mean Residual.....						0.0006
22.5	4.0	24.7	677	1	+0.0005	+0.0002	Period 15.						
26.0	3.0	24.7	677	1	+0.0007	+0.0005	Nov. 1.0	3.0	20.2 C.	646	1	+0.0027	+0.0002
30.0	5.0	24.4	677	1.2	+0.0006	+0.0005	4.4	3.8	20.2	646	1	+0.0032	+0.0006
May 5.0	5.1	24.4	676.5	1.2	−0.0003	−0.0006	8.4	4.2	20.1	646	1	+0.0032	+0.0005
10.0	4.9	24.2	676	1.2	+0.0006	+0.0002	12.5	4.0	20.5	646.5	1	+0.0022	−0.0007
14.4	3.9	24.0	676	1	+0.0003	−0.0001	15.9	2.8	20.3	647	1	+0.0023	−0.0007
17.9	3.2	23.7	676	1	+0.0002	−0.0001	19.4	4.2	20.5	647	1	+0.0035	+0.0004
21.6	4.1	24.0	676	1	−0.0001	−0.0004	22.5	2.0	20.5	647	1	+0.0025	−0.0007
24.5	2.0	24.0	676	1	+0.0003	0.0000	25.0	3.1	20.5	647	1	+0.0038	+0.0005
29.0	7.0	23.8	675.5	1.2	+0.0003	−0.0001	28.9	4.6	20.5	647.5	1.2	+0.0036	+0.0002
June 3.5	3.9	23.7	675	1	+0.0006	−0.0001	Dec. 2.8	3.3	20.7	648	1	+0.0026	−0.0009
7.4	4.1	23.4	675	1	+0.0010	+0.0004	6.0	3.0	21.0	648	1	+0.0041	+0.0005
11.4	3.9	23.4	674.5	1	+0.0006	−0.0002	9.4	3.9	21.2	649	1	+0.0036	−0.0001
14.9	3.0	23.9	673.5	1	+0.0017	+0.0004	12.4	2.0	21.2	649.5	1	+0.0037	−0.0002
17.9	3.1	23.7	673	1	+0.0013	−0.0002	15.8	4.9	21.5	649.5	1.2	+0.0035	−0.0005
Mean Residual.....						0.0004	19.9	3.2	21.8	650	1	+0.0037	−0.0004
Period 13.							24.0	5.0	21.8	650.5	1.2	+0.0050	+0.0007
Aug. 16.0	4.8	22.2 C.	665.5	1.2	+0.0042	+0.0009	28.0	3.0	22.2	650.5	1	+0.0048	+0.0004
19.9	3.1	21.2	665	1	+0.0027	−0.0005	31.0	3.0	22.2	650.5	1	+0.0046	+0.0001
22.5	2.0	21.6	665	1	+0.0025	−0.0007							
24.9	2.9	22.2	665	1	+0.0022	−0.0010							
27.9	3.1	21.3	664.5	1	+0.0033	+0.0002							

Observed Rates of the Standard Sidereal Clock—Continued.

Period 15—Continued.							Period 17—Continued.								
1906	d	°	mm		s	s	1906	d	°	mm		s	s		
Jan. 3.5	4.0	22.2 C.	651	1	+0.0044	−0.0002	May 1.4	1.9	25.0 C.	635	1	−0.0020	+0.0005		
	7.4	3.9	22.2	652	1	+0.0049	+0.0001		3.4	2.1	24.9	635	1	−0.0029	−0.0006
	11.0	3.2	22.5	653	1	+0.0049	0.0000		25.4	8.0	24.0	633.5	1.2	−0.0015	0.0000
	14.6	3.9	22.8	653	1	+0.0050	−0.0001	Mean Residual.....						0.0002	
	17.4	1.9	22.8	653	1	+0.0052	+0.0001	Mean Residual.....						0.0002	
Mean Residual.....						0.0004	Mean Residual.....						0.0002		
Period 16.							Period 18.								
Jan. 21.6	5.8	23.0 C.	679.5	1.2	+0.0002	−0.0001	June 24.0	3.1	23.0 C.	630	1	−0.0020	−0.0016		
	27.0	5.1	23.2	680	1.2	−0.0005	−0.0009		26.6	2.1	22.9	629.5	1	−0.0005	+0.0004
	30.5	1.8	23.4	680	1	+0.0002	+0.0002		28.6	2.0	22.7	628.5	1	−0.0015	−0.0003
Feb. 1.4	1.9	23.6	681	1	+0.0011	+0.0008		30.6	2.0	22.7	628	1	−0.0020	−0.0008	
	4.8	5.1	23.7	682	1.2	+0.0001	0.0000	July 3.5	3.8	22.8	628.5	1	−0.0012	−0.0004	
	8.4	2.0	24.1	683.5	1	+0.0003	−0.0002		6.4	2.1	22.6	628.5	1	−0.0012	+0.0003
	11.4	4.0	24.4	684.5	1	+0.0013	+0.0007		8.5	2.0	22.3	628	1	−0.0007	+0.0011
	15.0	3.1	24.4	685.5	1	+0.0017	+0.0006		20.4	2.0	22.7	628	1	−0.0009	−0.0002
	18.0	3.0	24.2	686	1	+0.0019	+0.0001		23.9	5.0	22.4	628	1.2	+0.0001	+0.0013
	21.0	3.0	24.4	686	1	+0.0026	+0.0005		27.4	2.0	22.1	628	1	−0.0027	−0.0007
	23.4	1.9	24.5	687	1	+0.0024	+0.0002		31.9	7.0	22.4	628	1.2	−0.0010	+0.0005
	26.4	3.9	24.7	688	1	+0.0028	+0.0007	Aug. 7.9	7.0	22.8	628.5	1.2	+0.0001	−0.0001	
Mar. 1.3	2.0	24.9	689.5	1	+0.0017	−0.0010		13.5	4.1	22.8	628.5	1	−0.0003	−0.0002	
	3.9	3.2	24.9	689.5	1	+0.0025	+0.0001		17.5	4.0	22.8	628.5	1	−0.0001	+0.0001
	7.9	4.9	25.0	690.5	1.2	+0.0032	−0.0003		21.5	4.0	22.8	629	1	+0.0004	+0.0001
	14.0	7.3	24.9	692	1.2	+0.0040	−0.0006		27.0	7.0	22.8	628.5	1.2	−0.0002	−0.0004
	19.1	2.8	25.0	693.5	1	+0.0040	−0.0009	Sept. 2.0	4.9	21.6	627.5	1.2	−0.0021	+0.0001	
	21.9	2.9	25.3	695	1	+0.0055	−0.0003		5.4	2.0	21.4	627	1	−0.0021	+0.0008
	27.4	8.1	25.4	697	1.2	+0.0068	−0.0003		7.4	2.0	21.6	626.5	1	−0.0037	−0.0015
Apr. 1.4	1.9	25.5	698.5	1	+0.0087	+0.0008		9.8	2.9	21.8	626.5	1	−0.0023	−0.0007	
	4.4	4.0	25.5	699.5	1	+0.0090	+0.0003		12.8	3.0	21.7	626	1	+0.0002	+0.0022
	8.4	4.1	25.4	700	1	+0.0096	+0.0002		16.9	5.2	21.5	626.5	1.2	−0.0027	+0.0007
	11.9	2.9	25.3	700	1	+0.0099	+0.0003		20.4	1.9	21.8	626.5	1	−0.0017	−0.0003
Mean Residual.....						0.0004		23.0	3.1	21.6	626.5	1	−0.0012	+0.0004	
Mean Residual.....						0.0004		26.9	4.8	21.0	626	1.2	−0.0035	+0.0005	
Period 17.							Oct. 2.0	5.5	20.3	624	1.2	−0.0051	−0.0004		
Apr. 17.9	3.0	25.1 C.	635.5	1	−0.0024	−0.0003		5.6	1.7	20.0	622.5	1	−0.0058	−0.0007	
	21.9	5.0	25.1	635	1.2	−0.0018	+0.0003		7.4	1.9	19.9	622.5	1	−0.0049	+0.0002
	26.0	3.1	25.0	635	1	−0.0022	0.0000		9.9	3.0	19.8	622	1	−0.0044	+0.0008
	29.0	3.0	25.0	635	1	−0.0024	0.0000		12.4	2.0	19.8	622	1	−0.0050	+0.0002
Mean Residual.....						0.0000		14.4	2.0	19.9	622	1	−0.0066	−0.0017	
Mean Residual.....						0.0000		19.4	7.9	20.1	622	1.2	−0.0050	−0.0001	
Mean Residual.....						0.0000		24.4	2.1	20.1	622	1	−0.0048	−0.0002	
Mean Residual.....						0.0000	Mean Residual.....						0.0006		

Observed Rates of the Standard Sidereal Clock—Continued.

Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C	Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C
		Temper- ature.	Pres- sure.						Temper- ature.	Pres- sure.			
Period 19.							Period 20—Continued.						
1907	d	°	mm		s	s	1907	d	°	mm		s	s
Apr. 19.4	4.1	22.7 C.	628	1	+0.0053	−0.0010	Sept. 11.9	3.0	21.7 C.	625	1	−0.0040	+0.0003
23.0	3.0	22.8	628	1	+0.0060	0.0000	14.9	3.0	21.4	625	1	−0.0053	−0.0002
27.0	5.0	22.9	628	1.2	+0.0060	+0.0002	18.4	4.0	21.5	625	1	−0.0042	+0.0008
May 2.0	5.0	22.7	628	1.2	+0.0059	+0.0004	21.9	3.0	21.4	625	1	−0.0057	−0.0004
7.0	5.0	22.6	628	1.2	+0.0062	+0.0010	Mean Residual.....						0.0005
11.5	4.0	22.4	628	1	+0.0050	+0.0001	Period 21.						
17.0	7.0	22.4	627.5	1.2	+0.0035	−0.0011	Sept. 29.0	3.0	22.6 C.	629	1	−0.0029	0.0000
23.9	6.9	22.2	627.8	1.2	+0.0043	+0.0001	Oct. 1.6	2.1	22.1	628	1	−0.0036	+0.0001
Mean Residual.....						0.0005	5.6	5.9	22.0	626.5	1.2	−0.0036	+0.0002
Period 20.							11.0	5.0	21.8	626	1.2	−0.0044	−0.0005
June 1.4	4.2	22.2 C.	626.5	1	−0.0006	−0.0002	14.5	2.0	21.9	626	1	−0.0040	−0.0004
5.0	3.0	22.1	626.5	1	−0.0008	−0.0001	16.5	2.0	21.9	626	1	−0.0029	+0.0007
7.4	1.9	22.0	626.5	1	−0.0003	+0.0008	19.1	3.1	22.0	626	1	−0.0034	0.0000
11.4	6.1	22.0	626	1.2	−0.0018	−0.0006	22.1	2.9	22.0	626	1	−0.0031	+0.0001
16.0	3.0	22.0	626	1	−0.0016	−0.0004	24.5	2.0	22.1	626	1	−0.0028	+0.0002
19.5	4.0	21.8	626	1	−0.0015	+0.0004	27.5	4.0	22.3	626	1	−0.0024	+0.0002
23.0	3.0	21.7	626	1	−0.0036	−0.0013	Nov. 1.5	6.0	22.4	626.5	1.2	−0.0021	+0.0001
26.0	3.0	21.3	625.5	1	−0.0030	+0.0004	6.0	3.0	22.6	626.5	1	−0.0021	−0.0004
29.1	3.1	21.3	625	1	−0.0031	+0.0004	10.5	6.0	22.8	627.2	1.2	−0.0012	0.0000
July 2.6	4.0	21.2	625	1	−0.0044	−0.0006	14.5	2.0	23.0	628	1	0.0000	+0.0007
6.6	3.9	21.5	625	1	−0.0032	0.0000	17.5	4.0	23.2	628	1	−0.0015	−0.0012
10.6	4.1	21.9	625	1	−0.0020	+0.0002	23.1	7.1	23.5	628.7	1.2	+0.0005	+0.0001
14.6	3.9	21.8	626	1	−0.0019	+0.0006	28.1	2.9	23.5	629	1	+0.0007	+0.0001
19.0	5.0	22.2	626	1.2	−0.0013	+0.0002	Dec. 3.0	7.0	23.7	629.5	1.2	+0.0013	+0.0002
22.4	1.9	22.4	626	1	−0.0012	−0.0002	Mean Residual.....						0.0003
24.9	3.1	22.7	627	1	−0.0001	+0.0002	Period 22.						
28.0	3.0	22.5	626.5	1	−0.0018	−0.0008	Dec. 20.4	2.0	24.9 C.	634	1	+0.0041	0.0000
31.1	3.1	22.3	626	1	−0.0023	−0.0007	23.0	3.2	24.8	634	1	+0.0044	+0.0002
Aug. 4.0	4.8	22.1	626	1.2	−0.0019	+0.0004	26.2	3.1	24.5	634	1	+0.0040	−0.0004
7.4	2.0	21.9	626	1	−0.0025	+0.0003	29.2	3.0	24.6	633	1	+0.0050	+0.0004
10.4	4.1	21.9	626	1	−0.0032	−0.0003	1908						
13.5	2.0	21.9	626	1	−0.0023	−0.0004	Jan. 1.0	2.6	24.6	634	1	+0.0042	−0.0004
16.5	4.0	21.9	626	1	−0.0037	−0.0006	4.3	4.0	24.7	634	1	+0.0054	+0.0006
19.5	2.0	21.8	626	1	−0.0042	−0.0008	7.9	3.2	24.8	634	1	+0.0048	−0.0002
22.6	4.1	21.9	626	1	−0.0027	+0.0005	11.0	3.1	24.8	634	1	+0.0045	−0.0006
25.6	1.9	21.6	626	1	−0.0034	+0.0007	14.0	2.7	24.8	634	1	+0.0051	−0.0001
27.9	2.9	21.5	626	1	−0.0056	−0.0012							
30.4	2.0	21.4	625.5	1	−0.0052	−0.0004							
Sept. 3.4	6.1	21.4	625	1.2	−0.0045	+0.0004							
8.4	3.9	21.4	625	1	−0.0039	+0.0011							

A XLV

Date.	Sidereal Interval.	Mean.		√wt.	Observed Hourly Rate.	O—C
		Temperature.	Pressure.			
Period 22—Continued.						
1908	d	°	mm		s	s
Jan. 16.8	3.1	24.8 C.	634	1	+0.0057	+0.0003
19.4	1.9	25.0	634	1	+0.0058	+0.0003
21.4	2.2	24.9	634	1	+0.0046	—0.0010
24.0	3.0	24.8	634	1	+0.0064	+0.0007
26.4	1.8	25.0	634	1	+0.0058	0.0000
28.8	3.1	25.2	634	1	+0.0053	—0.0006
Feb. 1.4	3.9	25.4	634	1	+0.0069	+0.0008
4.8	3.0	25.5	634	1	+0.0063	0.0000
7.8	3.0	25.6	634	1	+0.0073	+0.0009
10.8	3.1	25.7	634	1	+0.0052	—0.0013
14.5	4.2	25.4	634	1	+0.0075	+0.0008
18.6	4.0	25.5	634	1	+0.0074	+0.0005
22.6	4.0	25.6	634	1	+0.0070	—0.0001
25.6	1.9	25.5	634	1	+0.0061	—0.0012
27.4	1.9	25.4	634	1	+0.0095	+0.0022
Mar. 1.4	4.0	25.5	634	1	+0.0074	—0.0001
5.4	4.0	25.5	634	1	+0.0067	—0.0010
8.4	2.1	25.4	634	1	+0.0096	+0.0018
11.0	3.0	25.4	634	1	+0.0076	—0.0004
14.0	3.0	25.5	634	1	+0.0073	—0.0008
16.6	2.1	25.6	634	1	+0.0070	—0.0012
Mean Residual.....						0.0006
Period 23.						
Mar. 19.2	3.1	25.4 C.	634	1	+0.0080	+0.0001
22.6	3.8	25.4	634	1	+0.0081	+0.0002
26.0	2.9	25.5	634	1	+0.0084	+0.0002
31.0	7.2	25.5	634	1.2	+0.0080	—0.0002
Apr. 5.0	2.8	25.6	634	1	+0.0077	—0.0009
7.9	3.0	25.6	634	1	+0.0087	+0.0002
11.4	4.0	25.5	634	1	+0.0081	0.0000
15.0	3.2	25.5	634	1	+0.0079	—0.0002
18.1	3.0	25.6	634	1	+0.0084	—0.0001
20.6	1.9	25.7	634	1	+0.0089	0.0000
26.5	10.0	25.5	634	1.2	+0.0085	+0.0005
May 6.0	9.0	25.5	634	1.2	+0.0084	+0.0004
11.4	1.9	25.5	634	1	+0.0075	—0.0004
15.0	5.1	25.4	634	1.2	+0.0073	—0.0002
18.9	2.8	25.2	634	1	+0.0070	+0.0003
21.9	3.2	25.1	634	1	+0.0059	—0.0004
Mean Residual.....						0.0003

Date.	Sidereal Interval.	Mean.		√wt.	Observed Hourly Rate.	O—C
		Temperature.	Pressure.			
Period 24.						
1908	d	°	mm		s	s
May 30.0	3.0	25.4 C.	635	1	+0.0065	+0.0003
June 1.5	2.0	25.0	634	1	+0.0061	—0.0001
4.0	3.0	25.0	634	1	+0.0058	+0.0001
7.0	3.0	24.8	634	1	+0.0045	—0.0008
10.0	3.0	24.6	633.5	1	+0.0050	+0.0001
12.5	2.0	24.5	633	1	+0.0039	—0.0007
15.0	3.0	24.5	633	1	+0.0042	+0.0001
17.5	2.0	24.3	632.5	1	+0.0035	—0.0003
19.5	2.0	24.2	632	1	+0.0046	+0.0011
22.0	3.0	24.2	632	1	+0.0021	—0.0009
25.0	3.0	24.0	632	1	+0.0028	+0.0002
27.6	2.1	24.0	632	1	+0.0014	—0.0008
29.8	2.9	24.0	631.5	1	+0.0032	+0.0015
Mean Residual.....						0.0005
Period 25.						
July 7.5	2.0	24.1 C.	590.5	1	+0.0014	+0.0002
9.5	2.0	24.0	590.1	1	+0.0016	+0.0002
12.0	3.0	24.0				

Observed Rates of the Standard Sidereal Clock—Continued.

Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C	Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C					
		Temperature.	Pressure.						Temperature.	Pressure.								
Period 27.							Period 30.											
1908	d	°	mm		s	s	1909	d	°	mm		s	s					
Sept. 5.0	2.8	24.5 C.	586	1	−0.0017	+0.0002	Jan. 15.1	5.0	29.0 C.	596.5	1.2	+0.0038	+0.0001					
7.5	2.2	24.5	586	1	−0.0018	+0.0001	19.0	2.9	29.1	596.5	1	+0.0031	−0.0004					
10.0	2.9	24.4	586	1	−0.0017	+0.0002	21.4	1.8	29.0	596	1	+0.0033	0.0000					
13.0	3.1	24.4	586	1	−0.0021	−0.0003	24.4	4.2	29.1	596.5	1	+0.0033	+0.0001					
16.2	3.1	24.3	586	1	−0.0023	−0.0005	27.4	1.8	29.1	597	1	+0.0029	−0.0001					
19.5	3.6	24.2	586	1	−0.0016	+0.0002	30.4	4.3	29.1	597	1	+0.0033	+0.0004					
22.4	2.3	24.2	586	1	−0.0018	0.0000	Feb. 3.0	2.9	29.0	596.5	1	+0.0024	−0.0003					
26.2	5.1	24.2	586	1.2	−0.0015	+0.0002	Mean Residual..... 0.0002											
Mean Residual.....						0.0002	Period 31.											
Period 28.							Feb. 6.4	2.8	29.0 C.	596	1	+0.0039	−0.0001					
Oct. 2.5	7.8	24.1 C.	585.5	1.2	−0.0028	−0.0006	15.4	4.0	29.0	596	1	+0.0034	−0.0002					
7.4	1.8	24.0	585	1	−0.0024	−0.0004	18.9	3.0	29.0	596	1	+0.0042	+0.0007					
10.4	4.2	24.0	584.5	1	−0.0014	+0.0005	22.6	4.3	29.0	596	1	+0.0029	−0.0004					
14.0	3.0	24.0	584	1	−0.0019	−0.0002	Mean Residual..... 0.0003											
18.0	5.0	24.1	584	1.2	−0.0008	+0.0007	Period 32.											
23.4	5.8	24.0	584	1.2	−0.0009	+0.0004	Feb. 25.6	1.8	29.0 C.	596	1	+0.0022	0.0000					
29.4	6.2	24.0	584.5	1.2	−0.0014	−0.0003	27.5	2.0	29.1	596	1	+0.0014	−0.0007					
Nov. 4.0	5.0	24.4	585.5	1.2	−0.0007	0.0000	Mar. 2.6	4.2	29.1	596.5	1	+0.0024	+0.0005					
7.8	2.7	24.8	586	1	−0.0019	−0.0015	6.2	2.9	29.1	597	1	+0.0013	−0.0006					
12.0	5.5	25.0	586	1.2	0.0000	+0.0001	9.6	3.9	29.1	597	1	+0.0021	+0.0003					
16.6	3.8	25.5	587.5	1	+0.0012	+0.0009	12.6	2.2	29.1	597	1	+0.0012	−0.0004					
19.5	2.0	26.2	588.5	1	+0.0006	−0.0001	14.6	1.8	29.1	597	1	+0.0026	+0.0010					
Mean Residual.....						0.0005	18.0	4.9	29.0	597	1.2	+0.0015	0.0000					
Period 29.							23.4	6.1	29.1	597	1.2	+0.0014	0.0000					
Dec. 7.0	3.1	28.9 C.	596	1	+0.0032	+0.0010	27.5	2.0	29.1	597	1	+0.0017	+0.0005					
11.9	6.8	28.9	596	1.2	+0.0023	−0.0002	31.0	5.1	29.1	597	1.2	+0.0009	−0.0002					
17.2	3.9	29.0	596	1	+0.0012	−0.0014	Apr. 3.6	2.0	29.1	597	1	+0.0006	−0.0004					
21.2	4.1	28.8	596	1	+0.0028	−0.0001	5.6	1.9	29.2	597	1	+0.0008	−0.0001					
24.8	3.0	29.0	596	1	+0.0032	+0.0001	Mean Residual..... 0.0004											
27.4	2.2	29.0	596	1	+0.0044	+0.0012	Period 33.											
29.8	2.7	29.0	596	1	+0.0024	−0.0008	Apr. 8.0	3.0	29.0 C.	597	1	+0.0013	−0.0007					
1909							10.9	2.8	29.1	597	1	+0.0022	−0.0001					
Jan. 1.8	3.2	29.0	596	1	+0.0037	+0.0004	13.9	3.2	29.2	597	1	+0.0040	+0.0013					
Mean Residual.....						0.0007	17.2	3.2	29.3	597.5	1	+0.0036	+0.0007					

Observed Rates of the Standard Sidereal Clock—Continued.

Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C	Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C
		Temperature.	Pressure.						Temperature.	Pressure.			
Period 33—Continued.							Period 36.						
1909	d	°	mm		s	s	1909	d	°	mm		s	s
Apr. 20.6	3.8	29.4 C.	598	1	+0.0021	—0.0010	Aug. 28.5	3.8	27.75 C.	649	1	+0.0036	—0.0001
23.9	2.8	29.5	598	1	+0.0028	—0.0005	31.9	3.0	27.75	650	1	+0.0038	—0.0001
26.9	3.2	29.5	598	1	+0.0033	+0.0004	Sept. 4.8	4.9	27.75	650	1	+0.0047	+0.0004
29.4	1.8	29.5	598	1	+0.0026	0.0000	9.3	4.0	27.7	652	1	+0.0044	—0.0003
Mean Residual.....						0.0006	Mean Residual.....						0.0002
Period 34.							Period 37.						
May 13.4	4.1	29.7 C.	598	1	+0.0030	—0.0002	Sept. 21.0	7.4	27.8 C.	653	1.2	+0.0052	—0.0001
16.9	3.0	29.7	598	1	+0.0037	+0.0006	26.6	3.7	27.8	654	1	+0.0060	+0.0004
23.9	11.0	29.9	599	1.4	+0.0025	—0.0002	30.0	3.2	27.8	654	1	+0.0059	0.0000
31.4	4.0	29.9	599	1	+0.0023	0.0000	Oct. 3.2	3.1	27.8	654	1	+0.0055	—0.0008
June 7.4	9.9	29.9	599	1.4	+0.0020	0.0000	6.7	4.0	27.8	654	1	+0.0060	—0.0006
Mean Residual.....						0.0002	10.7	4.0	27.8	655	1	+0.0078	+0.0009
Period 35.							Mean Residual.....						0.0005
June 15.4	1.9	82.0 F.	660	1	—0.0072	0.0000	Period 38.						
17.9	3.0	82.0	660	1	—0.0074	+0.0001	Oct. 21.0	2.6	27.8 C.	656	1	+0.0064	—0.0001
21.9	5.0	82.0	660	1.2	—0.0077	+0.0002	23.9	3.2	27.8	656	1	+0.0068	+0.0001
26.9	5.0	82.0	660	1.2	—0.0089	—0.0004	27.0	3.1	27.8	657	1	+0.0072	+0.0003
30.9	3.0	82.0	660	1	—0.0096	—0.0007	30.1	3.0	27.8	657	1	+0.0072	0.0000
July 4.5	4.2	82.0	660	1	—0.0096	—0.0004	Nov. 2.1	3.0	27.8	657	1	+0.0066	—0.0007
8.0	2.8	82.0	660	1	—0.0096	0.0000	4.4	1.7	27.8	657	1	+0.0076	+0.0002
11.9	5.0	82.1	660	1.2	—0.0099	+0.0002	7.9	5.2	27.8	657	1.2	+0.0075	—0.0002
15.9	3.0	82.0	660	1	—0.0106	—0.0001	11.9	2.8	27.8	658	1	+0.0076	—0.0004
20.9	7.0	82.0	660	1.2	—0.0107	+0.0003	14.4	2.3	27.8	658	1	+0.0094	+0.0012
25.9	3.0	81.8	660	1	—0.0110	+0.0005	17.6	3.9	27.8	658	1	+0.0081	—0.0003
28.9	3.0	82.0	660	1	—0.0107	+0.0012	21.0	2.9	27.8	659	1	+0.0083	—0.0003
31.9	3.0	82.0	660	1	—0.0124	—0.0002	24.0	3.1	27.8	659	1	+0.0088	0.0000
Aug. 4.4	4.1	82.0	660	1	—0.0129	—0.0004	Mean Residual.....						0.0003
8.4	3.9	82.8	660	1	—0.0135	—0.0005	Period 39.						
13.4	5.9	82.0	660	1.2	—0.0129	+0.0007	Nov. 27.0	3.1	27.8 C.	659	1	+0.0076	+0.0005
17.8	3.1	82.0	660	1	—0.0144	—0.0003	30.0	2.7	27.8	659	1	+0.0067	—0.0004
21.0	3.2	82.0	660	1	—0.0147	—0.0003	Dec. 2.9	3.2	27.8	660	1	+0.0067	—0.0004
24.0	2.8	82.0	660	1	—0.0152	—0.0005	7.0	4.9	27.8	660	1	+0.0074	+0.0004
Mean Residual.....						0.0004	Mean Residual.....						0.0004

Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C	Date.	Sidereal Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O—C
		Temperature.	Pressure.						Temperature.	Pressure.			
Period 40.							Period 42—Continued.						
1909	d	°	mm		s	s	1910	d	°	mm		"	s
Jan. 16.0	3.2	27.8 C.	660	1	+0.0075	+0.0002	May 11.1	3.0	82.0 F.	668	1	−0.0233	+0.0002
19.5	3.8	27.8	661	1	+0.0077	+0.0001	14.0	2.9	82.0	668	1	−0.0229	+0.0008
22.8	2.9	27.8	661	1	+0.0069	−0.0009	17.0	3.0	82.0	668	1	−0.0237	+0.0001
26.4	4.1	27.8	661	1	+0.0080	0.0000	19.9	2.8	82.0	668	1	−0.0245	−0.0005
30.0	3.1	27.8	661	1	+0.0084	+0.0002	24.0	5.3	82.0	668	1.2	−0.0236	+0.0007
1910							28.6	4.0	82.0	668	1	−0.0252	−0.0006
Jan. 2.0	3.1	27.8	662	1	+0.0081	−0.0002	June 1.6	4.0	82.0	668	1	−0.0250	−0.0002
5.5	3.8	27.8	662	1	+0.0090	+0.0005	5.0	2.9	82.0	668	1	−0.0257	−0.0006
8.7	3.0	27.8	662	1	+0.0087	−0.0001	7.4	1.9	82.0	668	1	−0.0247	+0.0005
12.9	5.0	27.8	663	1.2	+0.0091	+0.0001	Mean Residual.....						0.0004
17.0	3.3	27.8	663	1	+0.0089	−0.0003	Period 43.						
20.6	3.7	27.8	663	1	+0.0099	+0.0004	June 17.0	5.1	82.0 F.	668	1.2	−0.0256	−0.0002
23.9	3.0	27.8	663	1	+0.0105	+0.0009	21.0	2.9	82.0	669	1	−0.0255	0.0000
27.4	4.1	27.8	664	1	+0.0097	−0.0002	24.0	3.2	82.0	669	1	−0.0250	+0.0005
31.0	3.0	27.8	664	1	+0.0098	−0.0004	27.6	3.9	82.0	669	1	−0.0254	+0.0001
Feb. 3.4	3.8	27.8	664	1	+0.0104	+0.0001	July 2.5	6.0	82.0	669	1.2	−0.0260	−0.0004
11.8	12.9	27.8	664	1.4	+0.0104	−0.0004	7.4	3.9	82.0	669	1	−0.0256	+0.0001
20.3	4.2	27.8	664	1	+0.0109	−0.0004	11.9	5.0	82.0	669	1.2	−0.0257	0.0000
23.8	2.9	27.8	664	1	+0.0125	+0.0010	Mean Residual.....						0.0002
28.3	6.0	27.7	665	1.2	+0.0119	+0.0001	Period 44.						
Mar. 5.3	4.0	27.7	665	1	+0.0116	−0.0005	July 21.0	3.1	82.0 F.	669	1	−0.0271	+0.0003
Mean Residual.....						0.0004	Mean Residual.....						0.0002
Period 41.							Period 45.						
Mar. 16.0	4.7	82.0 F.	668	1	−0.0192	+0.0007	Aug. 8.4	4.0	82.0 F.	669	1	−0.0281	−0.0001
19.8	3.1	82.0	668	1	−0.0199	+0.0002	11.9	3.0	82.0	669	1	−0.0274	+0.0006
23.0	3.1	82.0	668	1	−0.0208	−0.0004	14.9	3.0	82.0	668	1	−0.0290	−0.0009
26.6	4.2	82.0	668	1	−0.0213	−0.0007	17.9	3.0	82.0	669	1	−0.0279	+0.0002
31.1	4.8	82.0	668	1	−0.0205	+0.0004	21.0	3.1	82.0	669	1	−0.0281	+0.0001
Apr. 4.1	3.2	82.0	668	1	−0.0216	−0.0005	23.9	2.8	82.0	669	1	−0.0282	0.0000
7.2	3.0	82.0	668	1	−0.0210	+0.0004	27.8	5.0	82.0	669	1.2	−0.0282	0.0000
10.7	4.0	82.0	668	1	−0.0219	−0.0004	Mean Residual.....						0.0003
14.2	3.0	82.0	668	1	−0.0225	−0.0007	Period 46.						

Observed Rates of the Standard Sidereal Clock—Continued.

Date.	Sidereal Interval.	Mean.		√wt.	Observed Hourly Rate.	O—C	Date.	Sidereal Interval.	Mean.		√wt.	Observed Hourly Rate.	O—C
		Temperature.	Pressure.						Temperature.	Pressure.			
Period 46.							Period 50.						
1910	d	°	mm		s	s	1910	d	°	mm		s	s
Sept. 8.3	4.0	82.0 F.	668	1	−0.0285	+0.0002	Dec. 28.0	2.7	82.0 F.	668	1	−0.0285	−0.0010
12.8	5.1	82.0	669	1.2	−0.0292	−0.0003	1911						
16.4	2.0	82.0	669	1	−0.0278	+0.0012	Jan. 1.3	6.0	82.0	668	1.2	−0.0272	+0.0005
19.6	4.3	82.0	668	1	−0.0298	−0.0006	5.8	3.0	82.0	668	1	−0.0282	−0.0003
23.2	3.0	82.0	668	1	−0.0296	−0.0003	8.8	3.1	82.0	668	1	−0.0272	+0.0008
26.2	3.0	82.0	668	1	−0.0292	+0.0002	13.0	5.2	82.0	668	1.2	−0.0284	−0.0002
29.4	3.5	82.0	668	1	−0.0300	−0.0004	17.6	4.0	82.0	668	1	−0.0281	0.0000
Oct. 3.0	3.5	82.0	668	1	−0.0292	+0.0005	21.6	4.0	82.0	668	1	−0.0286	+0.0002
7.2	5.0	82.0	668	1.2	−0.0301	−0.0002	26.0	4.9	82.0	668	1	−0.0291	−0.0004
11.0	2.6	82.0	668	1	−0.0309	−0.0009	29.6	2.1	82.0	668	1	−0.0284	+0.0006
13.8	3.1	82.0	669	1	−0.0296	+0.0005	Feb. 1.2	3.1	82.0	668	1	−0.0290	+0.0001
16.9	3.0	82.0	668	1	−0.0301	+0.0002	5.0	4.6	82.0	668	1	−0.0300	−0.0007
20.4	4.1	82.0	668	1	−0.0302	+0.0002	Mean Residual.....						0.0004
Mean Residual.....						0.0004	Mean Residual.....						0.0004
Period 47.							Period 51.						
Oct. 24.1	3.1	82.1 F.	668	1	−0.0282	−0.0002	Feb. 12.0	2.9	82.0 F.	668	1	−0.0292	−0.0003
27.0	2.9	82.05	668	1	−0.0281	−0.0002	15.4	3.9	82.0	668	1	−0.0283	+0.0005
30.0	3.1	82.05	668	1	−0.0272	+0.0005	19.0	3.4	82.0	668	1	−0.0295	−0.0008
Nov. 2.6	4.0	82.1	668	1	−0.0272	+0.0003	22.1	2.8	82.0	668	1	−0.0279	+0.0007
6.5	3.8	82.1	668	1	−0.0274	−0.0001	25.4	3.7	82.0	668	1	−0.0286	0.0000
9.9	3.1	82.0	668	1	−0.0273	−0.0002	28.2	2.1	82.0	668	1	−0.0286	−0.0002
Mean Residual.....						0.0002	Mar. 3.8	4.9	82.0	668	1	−0.0282	+0.0002
Mean Residual.....						0.0002	7.8	3.1	82.0	668	1	−0.0282	+0.0001
Period 48.							10.3	2.0	82.0	668	1	−0.0283	−0.0001
Nov. 14.0	5.0	82.1 F.	668	1.2	−0.0261	+0.0001	13.4	4.3	82.0	668	1	−0.0284	−0.0002
17.9	2.8	82.0	668	1	−0.0266	0.0000	Mean Residual.....						0.0003
20.9	3.3	82.0	668	1	−0.0273	−0.0004	Mean Residual.....						0.0003
24.0	2.9	82.0	668	1	−0.0270	+0.0001	Period 52.						
27.6	4.1	82.0	668	1	−0.0273	+0.0001	Mar. 20.0	2.9	82.0 F.	668	1	−0.0290	−0.0003
Mean Residual.....						0.0002	23.0	3.0	82.0	668	1	−0.0283	+0.0008
Period 49.							26.0	3.0	82.0	668	1	−0.0302	−0.0007
Dec. 1.0	2.8	82.0 F.	668	1	−0.0257	−0.0002	29.0	3.0	82.0	668	1	−0.0297	+0.0002
4.9	5.0	82.0	668	1.2	−0.0258	−0.0001	Mean Residual.....						0.0005
8.4	2.0	82.0	668	1	−0.0250	+0.0010	Period 53.						
10.8	2.9	82.0	668	1	−0.0258	+0.0003	Mar. 31.9	0.8	82.0 F.	668	1	−0.0331	−0.0001
13.9	3.2	82.0	668	1	−0.0267	−0.0004	Apr. 4.0	5.4	82.0	668	1.2	−0.0308	+0.0003
17.6	4.2	82.0	668	1	−0.0272	−0.0007	8.1	2.8	82.0	668	1	−0.0284	+0.0002
21.1	2.8	82.0	668	1	−0.0270	−0.0002	10.0	1.0	82.0	668	1	−0.0277	−0.0003
24.6	4.1	82.0	668	1	−0.0264	+0.0006	Mean Residual.....						0.0002
Mean Residual.....						0.0004	Mean Residual.....						0.0002

These observed hourly rates were divided into groups covering periods varying in length from a few days to several months, such that during each period the rate could be fairly well expressed by the following formula:

$$\text{Observed rate} = a + b (T - T_0) + c (t - t_0) + d (B - B_0)$$

where T is the date at which the observed rate is applicable, t and B are the mean temperature and barometric pressure, respectively, in the clock case during the interval between the two clock corrections from which the rate was determined; and T_0 , t_0 , and B_0 are the mean values of these quantities during the period under consideration. One or both of the last two terms were omitted whenever the conditions justified such a step.

During the early stages of the work the end of a period was frequently determined by a change in the physical condition of the clock, such as the unsealing of the clock case, a large change in the pressure in the clock case in order to change the clock rate, a sudden change of temperature in the clock vault due to the breaking down of the heat-control apparatus, etc., or a change from one clock to another as the standard. When any one of these changes occurred, no attempt was made to see if the same formula would satisfy the observed rates both before and after the change.

The rate formula was adopted as a method of obtaining at any time during a given period the most probable value of the true rate of the clock. No attempt was made to give the temperature coefficients, for instance, in different formulæ the same physical signification. During the period from February 6 to May 19, 1904, air slowly leaked into the clock case, and each night the pressure was reduced 1 or 2 millimeters, the mean daily pressure being maintained constant throughout the period, so that the coefficient of t indicates a change of rate per degree Centigrade, the air in the clock case remaining under constant pressure but varying in quantity. During the period from June 22 to October 25, 1906, the clock case was air-tight and the pressure of the air in the case varied with the temperature, so that the coefficient of t during this period indicates a change of rate per degree Centigrade, the clock case containing a constant quantity of air under varying pressure. In neither period is a pressure term introduced into the formula.

Further, as the range of the values of t and B , in each instance, is small, the values of the temperature and pressure coefficients are influenced largely by the accidental errors of observation and therefore can give no accurate idea of the lack of compensation of the pendulum or the change of rate with large changes of pressure in the clock case. The rate formulæ follow.

Rate Formulæ of Standard Sidereal Clock.

Interval.	Clock.	Hourly Rate.
1903		
Sept. 3 to Oct. 30	70	$-0.00238 - 0.0001922(T - \text{Oct. } 1.5) + 0.001179 (B - 667) - 0.00153 (t - 25.2)$
Nov. 2 to Nov. 13	70	Observed rates interpolated.
Nov. 20 to Dec. 31	70	$+0.01258 - 0.0000468(T - \text{Dec. } 8.0) + 0.000860 (B - 657)$
1904		
Jan. 13 to Jan. 21	70	Definitive rates adopted from inspection of observed rates.
Jan. 24 to Feb. 5	70	$+0.00150 + 0.000124 (T - \text{Jan. } 30.0) + 0.000721 (B - 633) - 0.001125 (t - 28.3)$
Feb. 6 to May 7	70	$+0.00067 - 0.0000429(T - \text{Mar. } 29.0) - 0.00190 (t - 27.0)$
May 8 to May 17	70	Definitive rates adopted from inspection of observed rates.
May 23 to June 30	60	$-0.00779 + 0.0000840(T - \text{June } 12.5) + 0.001132 (B - 714.5)$
July 1 to July 3	60	Special rate adopted.
July 6 to July 17	60	$+0.00314 + 0.000654 (T - \text{July } 12.15) + 0.000034 (B - 730.5)$
July 17 to Sept. 11	82	$-0.00254 + 0.0000531(T - \text{Aug. } 5.5) + 0.001150 (B - 688.5)$
Sept. 15 to Oct. 11	82	$-0.00174 - 0.0000175(T - \text{Sept. } 30.0) + 0.000271 (B - 681.5)$
Oct. 13 to Feb. 2	70	$-0.005877 - 0.0000297(T - \text{Dec. } 7.5) - 0.0001522(B - 664.0)$
1905		
Feb. 6 to June 25	70	$+0.000106 - 0.0000152(T - \text{Apr. } 14.5) - 0.0005183(B - 677.5)$
Aug. 13 to Sept. 19	70	$+0.002976 + 0.0000113(T - \text{Sept. } 1.0) + 0.0003409(B - 664.0)$
Sept. 21 to Oct. 29	70	$+0.010662 + 0.0000127(T - \text{Oct. } 12.5) + 0.0003278(B - 662.0)$
Oct. 30 to Jan. 18	70	$+0.003803 + 0.0000333(T - \text{Dec. } 10.0) + 0.0000156(B - 649.0)$
1906		
Jan. 18 to Apr. 14	82	$+0.003509 - 0.0000136(T - \text{Mar. } 1.0) + 0.0008263(B - 689.0) - 0.0029862(t - 24.5)$
Apr. 15 to June 11	70	$-0.002435 - 0.0000462(T - \text{Apr. } 30.5) - 0.0020308(t - 25.0)$
June 22 to Oct. 25	70	$-0.002693 + 0.0000166(T - \text{Aug. } 25.5) + 0.0020286(t - 21.5)$
1907		
Apr. 17 to May 29	70	$+0.005317 - 0.0000608(T - \text{May } 5.0)$
May 30 to Sept. 23	151	$-0.002873 - 0.0000244(T - \text{July } 28.5) + 0.0027246(t - 21.8)$
Sept. 24 to Dec. 12	151	$-0.002131 + 0.0000309(T - \text{Oct. } 29.0) + 0.0018175(t - 22.5)$
Dec. 12 to Dec. 18	70	Definitive rates adopted from inspection of observed rates.
Dec. 19 to Mar. 17	151	$+0.006140 + 0.0000468(T - \text{Feb. } 1.5) + 0.0000375(t - 25.5)$
1908		
Mar. 19 to May 24	151	$+0.008061 - 0.0000071(T - \text{Apr. } 19.0) + 0.0038485(t - 25.5)$
May 25 to July 2	151	$+0.004615 - 0.0001833(T - \text{June } 12.0) - 0.0008211(t - 24.5)$
July 5 to July 20	70	$+0.001925 + 0.0001196(T - \text{July } 13.5)$
July 27 to Sept. 3	151	$-0.002156 - 0.0000699(T - \text{Aug. } 15.0) + 0.0007534(t - 24.8)$
Sept. 3 to Sept. 28	70	$-0.001834 + 0.0000200(T - \text{Sept. } 15.0) + 0.0005833(t - 24.3)$
Oct. 6 to Nov. 21	70	$-0.001014 + 0.0000407(T - \text{Oct. } 26.5) + 0.0004270(t - 24.5)$
Nov. 25 to Nov. 30	70	Definitive rates adopted from inspection of observed rates.
Dec. 1 to Jan. 3	70	$+0.002883 + 0.0000427(T - \text{Dec. } 21.5)$
1909		
Jan. 5 to Feb. 4	70	$+0.003178 - 0.0000508(T - \text{Jan. } 24.5)$
Feb. 6 to Feb. 21	70	$+0.003590 - 0.0000410(T - \text{Feb. } 16.0)$
Feb. 24 to Apr. 7	70	$+0.001535 - 0.0000308(T - \text{Mar. } 16.5)$
Apr. 9 to Apr. 30	70	$+0.002634 - 0.0001300(T - \text{Apr. } 19.0) + 0.0066667(t - 29.3)$
May 9 to June 13	70	$+0.002839 - 0.0000534(T - \text{May } 21.5)$
June 14 to Aug. 25	151	$-0.010992 - 0.0001074(T - \text{July } 20.5)$
Aug. 26 to Sept. 12	70	$+0.004095 + 0.0000868(T - \text{Sept. } 3.0)$

Rate Formulæ of Standard Sidereal Clock—Continued.

Interval.	Clock.	Hourly Rate.
1909		
Sept. 12 to Sept. 15	70	Definitive rates adopted from inspection of observed rates.
Sept. 17 to Oct. 13	70	+0.006103+0.0000949(T-Oct. 1.5)
Oct. 19 to Nov. 25	70	+0.007606+0.0000682(T-Nov. 6.5)
Nov. 26 to Dec. 10	70	+0.007090-0.0000111(T-Dec. 1.5)
Dec. 14 to Mar. 8	70	+0.009508+0.0000597(T-Jan. 21.0)
1910		
Mar. 13 to Apr. 28	151	-0.021186-0.0000659(T-Apr. 5.0)
Apr. 30 to June 8	151	-0.024015-0.0000650(T-May 19.5)
June 11 to July 15	151	-0.025590-0.0000142(T-June 29.5)
July 19 to Aug. 5	151	-0.027341+0.0000025(T-July 26.0)
Aug. 6 to Aug. 30	151	-0.028131-0.0000131(T-Aug. 17.5)
Sept. 6 to Oct. 22	151	-0.029588-0.0000409(T-Sept. 30.0)
Oct. 23 to Nov. 11	151	-0.027582+0.0000527(T-Nov. 1.0)
Nov. 11 to Nov. 29	151	-0.026868-0.0000870(T-Nov. 21.0)
Nov. 29 to Jan. 4	151	-0.026652-0.0000612(T-Dec. 20.0)
1911		
Jan. 4 to Feb. 7	151	-0.028401-0.0000467(T-Jan. 17.0)
Feb. 9 to Mar. 15	151	-0.028525+0.0000256(T-Feb. 27.0)
Mar. 16 to Mar. 17	151	Definitive rates adopted from inspection of observed rates.
Mar. 18 to Mar. 30	151	-0.029305-0.0001318(T-Mar. 24.5)
Mar. 31 to Apr. 10	151	-0.029854+0.0006102(T-Apr. 6.0)

The rate formula for each period was determined from a least square solution of equations of condition arising one from each observed hourly rate of that period as given in the table on pages A XL to A XLIX. Column 7 of that table gives the difference between each observed hourly rate and the corresponding value obtained from the rate formula. Each rate formula was subjected to an additional test before it was adopted for use in the reduction of the observations. From the rate formula was computed the hourly rate at each midnight during the entire period to be covered by the formula, and each such rate was assumed as constant from the noon preceding to the noon following. With this system of rates each day's clock correction during the period was reduced to the mean date of the period. The accordance or discordance of these clock corrections determined the adoption or rejection of the rate formula. The results in one of the periods in which the accordance of the clock corrections is considered satisfactory follow:

Date of Observation.	Clock Corr. for Apr. 15.0	Date of Observation.	Clock Corr. for Apr. 15.0	Date of Observation.	Clock Corr. for Apr. 15.0	Date of Observation.	Clock Corr. for Apr. 15.0
1905	^s		^s		^s		^s
Feb. 6.5	-14.33	Mar. 16.3	-14.34	Apr. 18.5	-14.40	May. 23.5	-14.45
7.3	-14.38	17.4	-14.32	19.5	-14.42	24.4	-14.44
9.7	-14.25	18.3	-14.30	20.5	-14.42	25.5	-14.45
10.7	-14.29	23.3	-14.31	22.5	-14.40	27.4	-14.44
11.2	-14.24	25.5	-14.36	23.6	-14.37	28.6	-14.46
13.3	-14.29	26.7	-14.39	24.5	-14.40	June 1.5	-14.44
14.3	-14.24	27.5	-14.40	25.3	-14.36	2.5	-14.42'
15.3	-14.34	28.5	-14.44	27.5	-14.36	3.5	-14.46
16.3	-14.29	29.5	-14.45	28.4	-14.37	5.5	-14.45
17.5	-14.30	30.5	-14.44	30.5	-14.31	8.5	-14.41
18.3	-14.29	31.5	-14.38	May 1.4	-14.33	9.5	-14.42
20.6	-14.28	Apr. 1.4	-14.37	2.5	-14.30	13.4	-14.45
23.7	-14.28	2.6	-14.36	7.5	-14.40	14.4	-14.51
24.5	-14.34	4.3	-14.32	8.5	-14.36	15.4	-14.49
Mar. 1.7	-14.40	7.6	-14.36	12.4	-14.39	16.4	-14.42
2.3	-14.39	8.5	-14.38	16.3	-14.40	17.4	-14.45
6.3	-14.41	9.6	-14.41	18.5	-14.42	18.5	-14.43
10.5	-14.40	13.5	-14.40	19.5	-14.41	19.5	-14.44
12.7	-14.44	14.6	-14.43	20.5	-14.36	21.5	-14.39
13.5	-14.37	16.4	-14.40	21.5	-14.41	25.3	-14.43
15.5	-14.33	17.5	-14.39	22.4	-14.42		

An inspection of these clock corrections indicates a rate 0^s.001 per day greater than that adopted, but as the adopted rate is used in the reduction of the star observations for only a fraction of a day and usually for only a few hours each night, this change in rate would have no effect upon the right ascensions of the stars.

The rate actually used in reducing each night's work is given in column 8, Table XX.

Variation of the clock correction with the declination of the star.—As the clock list, Table XIX, contains stars extending from declination -20° to $+30^{\circ}$, an examination was made of the differences in the clock corrections as given by stars at different declinations, as follows: On each night when there were observations of four or more clock stars between the declinations 0° and $+10^{\circ}$ the mean of the clock corrections for these four or more stars was taken and the correction to reduce each observed clock correction to this mean was formed. This was done for 152 nights, using 2,373 observations. All these corrections were then arranged in two series, one for each clamp, according to declination, and each series was divided into 10 groups and a mean formed for each group. This was done, using three different systems of right ascensions—that of NEWCOMB with the screen correction applied, column 5, Table XIX; that of BOSS's Preliminary General Catalogue; and that of the preliminary right ascensions from the present work, column 6, Table XIX. Enough work was done upon a fourth computation using the right ascensions of column 7, Table XIX, to show that the results would be practically identical with those from the third computation. These three sets of results are given in the table following.

Corrections to Reduce the Clock Corrections at Various Declinations to Those Which Would Have Been Obtained had All the Clock Stars Been Between 0° and +10° Declination.

Mean Decl.	Clamp West.				Clamp East.			
	No. Obs.	N.	B.	Prel.	No. Obs.	N.	B.	Prel.
°		s	s	■		s	s	s
+26.2	82	-0.001	-0.005	+0.005	197	-0.024	-0.021	-0.009
+19.2	83	-0.004	-0.008	-0.003	130	-0.006	-0.012	-0.007
+12.2	82	-0.007	-0.003	-0.001	130	-0.004	-0.004	-0.002
+8.9	83	-0.002	-0.002	-0.003	130	+0.002	+0.002	0.000
+7.0	82	-0.002	-0.001	0.000	130	-0.002	+0.001	+0.001
+5.5	82	-0.001	0.000	0.000	130	-0.003	-0.006	0.000
+3.4	83	+0.003	+0.003	0.000	124	+0.004	+0.002	+0.001
0.0	82	+0.010	+0.007	+0.008	198	+0.011	+0.007	+0.001
-7.2	83	+0.009	+0.004	+0.003	191	+0.014	+0.013	+0.001
-15.0	82	+0.008	+0.001	-0.003	189	+0.038	+0.028	+0.014

Definitive clock system.—The preliminary clock system was affected by the periodic errors in NEWCOMB's right ascensions, as well as by the accidental errors of his individual star positions. A definitive clock system was derived from the work itself, in the following manner: In the seven years' work 410 nights were found each satisfying the condition that there be observations of 10 or more clock stars extending over seven hours or more of right ascension (this being the length of a summer night). On each of these 410 nights there were either two or three observers. The average number of clock star observations per night was between 17 and 18 and the average number of hours of right ascension covered was 10. The right ascensions of the clock stars deduced from the observations on any one of these nights would be comparatively free from the periodic errors in the ephemeris places and also but little affected by the errors in the individual ephemeris places.

All the clock star observations on these 410 nights were then used in determining a set of corrections to NEWCOMB's places of the 277 clock stars, column 6, Table XIX. The average number of observations per star was 26, about equally divided as to clamp west and clamp east.

As shown above, the clock corrections, redetermined by using the results just obtained, still showed a variation with the declination, and in an effort still further to reduce this variation and make the resulting right ascensions independent of the preliminarily assumed ephemeris places, a redetermination of the positions of the clock stars was made.

The observations on these same 410 nights were used for this redetermination. Each transit was corrected for the difference in the azimuth as derived from the preliminary and final positions of the marks, each ephemeris place was corrected by the results of the first reduction, and the clock corrections were recomputed. The clock rates were not changed. The corrections to the right ascensions due to these changes were computed, and new corrections to NEWCOMB's places were found for each star, column 7, Table XIX. In no case did these differ as much as 0^s.01 from those of the first reduction, except where an error made in the first reduction was corrected in the second.

The preliminary clock system corrected in accordance with this re-reduction was adopted as the definitive clock system. The individual corrections to NEWCOMB in the definitive clock system range from $+0^{\circ}.11$ to $-0^{\circ}.05$. A casual inspection of these corrections shows a systematic variation with the right ascension. This is more clearly shown in the following table, in the formation of which the list of 277 clock stars was divided into eight groups, each covering three hours of right ascension, and each of the eight right ascension groups was divided into five groups, each 10° wide in declination. The number of stars in each group is indicated by the subscript figure attached to the mean of the corrections in each group.

Group Means of the Right Ascensions of the Definitive Clock System Minus Those of Newcomb's Fundamental Catalogue.

R. A. Decl.	0 ^h to 3 ^h	3 ^h to 6 ^h	6 ^h to 9 ^h	9 ^h to 12 ^h	12 ^h to 15 ^h	15 ^h to 18 ^h	18 ^h to 21 ^h	21 ^h to 24 ^h	0 ^h to 24 ^h
	s	s	s	s	s	s	s	s	s
+30° to +20°	+0.015 ₉	+0.005 ₉	-0.001 ₁₁	+0.016 ₇	+0.007 ₅	+0.013 ₇	+0.028 ₆	+0.008 ₈	+0.011
+20° to +10°	+0.040 ₇	+0.019 ₈	+0.006 ₈	+0.020 ₉	+0.018 ₈	+0.016 ₈	+0.039 ₈	+0.031 ₆	+0.024
+10° to 0°	+0.025 ₁₀	+0.028 ₈	+0.004 ₆	+0.016 ₈	+0.018 ₈	+0.038 ₈	+0.036 ₇	+0.038 ₈	+0.025
0° to -10°	+0.034 ₇	+0.027 ₈	+0.010 ₆	+0.020 ₄	+0.032 ₈	+0.044 ₈	+0.034 ₇	+0.042 ₈	+0.030
-10° to -20°	+0.048 ₆	+0.054 ₅	+0.026 ₄	+0.040 ₅	+0.047 ₇	+0.054 ₇	+0.051 ₈	+0.061 ₇	+0.048
+30° to -20°	+0.032	+0.027	+0.009	+0.022	+0.024	+0.033	+0.038	+0.036	+0.028

The last column gives the mean correction for each 10° in declination giving equal weight to each three hours of right ascension. The bottom row gives the mean correction for each three hours of right ascension giving equal weight to each 10° of declination, so that these means are fairly independent of declination. The average magnitude of observation for each mean in the bottom row is 8.0.

The following table, formed by subtracting from each number in columns 2 to 9 of the preceding table the number in column 10 in the same row, shows that each of the five declination groups gives approximately the same variation with the right ascension. The next to the last row gives the mean value for each of the eight right ascension groups, from which values was computed the systematic correction $\Delta\alpha$ given below. The last row gives the values obtained from this formula.

R. A. Decl.	1 ^h .5	4 ^h .5	7 ^h .5	10 ^h .5	* 13 ^h .5	16 ^h .5	19 ^h .5	22 ^h .5	Range.
	s	s	s	s	s	s	s	s	s
+25°.....	+0.004	-0.006	-0.012	+0.005	-0.004	+0.002	+0.017	-0.003	0.029
+15°.....	+0.016	-0.005	-0.018	-0.004	-0.006	-0.008	+0.015	+0.007	0.034
+ 5°.....	0.000	+0.003	-0.021	-0.009	-0.007	+0.013	+0.011	+0.013	0.034
- 5°.....	+0.004	-0.003	-0.020	-0.010	+0.002	+0.014	+0.004	+0.012	0.034
-15°.....	0.000	+0.006	-0.022	-0.008	-0.001	+0.006	+0.003	+0.013	0.035
Mean.....	+0.005	-0.001	-0.019	-0.005	-0.003	+0.005	+0.010	+0.008	.....
Formula.....	+0.007	-0.004	-0.013	-0.010	-0.002	+0.004	+0.008	+0.010	.....

$$\Delta\alpha^1 = -0^{\circ}.008 \sin \alpha + 0^{\circ}.008 \cos \alpha + 0^{\circ}.002 \sin 2\alpha + 0^{\circ}.002 \cos 2\alpha$$

¹ In *Astronomische Nachrichten* No. 4668, from a discussion of Cape, Greenwich, Pulkowa, and Odessa observations, COHN finds the periodic correction to AUWERS's right ascensions to be

$$\Delta\alpha = -0^{\circ}.007 \sin \alpha + 0^{\circ}.007 \cos \alpha + 0^{\circ}.001 \sin 2\alpha + 0^{\circ}.006 \cos 2\alpha.$$

In the Year Book, 1912, of the Carnegie Institution of Washington, page 168, from San Luis observations, BOSS gives the periodic correction to his Preliminary General Catalogue

$$\Delta\alpha = -0^{\circ}.008 \sin \alpha + 0^{\circ}.009 \cos \alpha.$$

Definitive clock corrections.—All the clock corrections for the seven years' work have been recomputed, using the above definitive positions of the clock stars, column 7, Table XIX, and the corrections for final azimuth, column 11, Table XVIII. The changes thus produced in the preliminary adopted clock corrections, column 7, Table XX, are given in Table VII. On six dates where only three clock stars were available from the list of 277 clock stars, one or more additional stars lying within the clock star belt, their positions as determined in this work being used, have been employed with the original clock stars in determining the definitive clock corrections. The additional corrections to the observed right ascensions on these dates arising from the use of these additional stars are as follows:

Date.	Additional Stars.	R. A.	$\Delta\alpha$	Sidereal Interval.
1903		h m	s	h m h m
Sept. 13	80 Tauri.....	4 24	−0.005	4 14—6 42
Oct. 18	α Canis Minoris.....	7 34	+0.005	6 49—9 23
20	51 Geminorum.....	7 8	−0.012	6 49—9 1
20	1 Cancrī.....	7 51		
25	20 Puppis.....	8 9	+0.025	7 4—9 36
1904				
Jan. 18	15 Arietis.....	2 5	−0.011	1 24—2 58
18	φ Arietis.....	2 12		
18	ξ Arietis.....	2 19		
18	27 Arietis.....	2 25		
18	39 Arietis.....	2 42		
Mar. 24	22 Monocerotis.....	7 6	+0.008	6 19—7 27

REDUCTION TO MEAN PLACE.

The apparent right ascensions, see page B VII, Part II of this volume, were reduced to mean place, for those stars for which ephemeris places were not available by using the independent star-numbers (Paris Conference) of the American Ephemeris and Nautical Almanac. The short-period terms were included, except f'' , and for stars north of $86^{\circ}.0$ declination the second-order terms were added. The mean right ascensions for the beginning of the year thus formed were then collected upon cards.

CORRECTIONS TO THE EPHEMERIS PLACES.

No reduction to mean place was computed for those stars for which ephemeris places were available, but the corrections to the ephemeris right ascensions given by the observed right ascensions were entered directly upon cards of the same kind as referred to above.

PERSONAL EQUATION IN RIGHT ASCENSION.

Results with the personal equation machine.—From April 13 to June 24, 1912, a series of observations with the personal equation machine, described on page A xv, was made by the three observers then assigned to the instrument to determine their

absolute personal equations. The method of observing is explained with the description of the machine, and the results of the observations are given below, the velocity of the machine being so regulated that the motion of the image of the artificial star as seen in the telescope would correspond during the various series of observations to that of the image of a star of one or other of the declinations given in the first column of the table following. The image of the artificial star during these observations appeared as that of a star of about the seventh magnitude.

The work for each declination was distributed over six nights, in order to test the stability of the observer's habits. The probable error of a single night's determination for 0° declination averaged $0^s.012$.

Observed Corrections to the Observed Times of Transit, to Eliminate the Effect of Personal Equation.

Decl.	Right to Left.						Left to Right.					
	Littell.		Morgan.		Pawling.		Littell.		Morgan.		Pawling.	
	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C
Chronograph Observations.												
°	s	s	s	s	s	s	s	s	s	s	s	s
0	-0.132	0.000	-0.038	-0.007	-0.060	+0.005	.....	.....	.....	.....	.....	.....
+39	-0.131	+0.001	-0.028	+0.003	-0.077	-0.011	-0.136	+0.009	-0.038	+0.003	-0.100	+0.005
+62	-0.130	0.000	-0.018	+0.012	-0.057	+0.012	-0.167	-0.016	-0.045	-0.003	-0.112	-0.004
+82	-0.120	+0.001	-0.033	-0.008	-0.129	-0.044	-0.188	-0.003	-0.058	-0.012	-0.153	-0.028
+85	-0.115	-0.001	-0.025	-0.005	-0.062	+0.036	-0.203	+0.010	-0.037	+0.012	-0.112	+0.028
Eye and Ear Observations.												
+85.1	+0.29	+0.01	+0.02	+0.02	+0.18	+0.01	+0.23	+0.02	+0.05	-0.01	+0.23	+0.02
+87.7	+0.39	-0.05	-0.04	-0.07	+0.25	-0.04	+0.29	-0.05	+0.18	+0.04	+0.27	-0.08
+88.9	+0.79	+0.03	+0.15	+0.05	+0.55	+0.03	+0.64	+0.04	+0.26	-0.03	+0.68	+0.05

The second, fourth, and sixth columns give the observed corrections when the motion of the star image as seen in the telescope was from right to left, i. e., corresponding to star transits south of the zenith and to those below the pole. The eighth, tenth, and twelfth columns give the observed corrections when the motion of the star image as seen in the telescope was from left to right, i. e., corresponding to star transits between the zenith and the pole.

From the table it is seen that each observer observes a star too late by the chronograph method and too early by the eye and ear method, thus producing a marked discontinuity in the right ascensions at the point where the method of observing is changed unless the necessary corrections for personal equation be applied.

From the quantities in each of the six columns, eye and ear observations and chronograph observations separately, was obtained by the method of least squares, an expression of the form $x + y \sec \delta$. The weight assigned to each observed quantity was proportional to the square root of $\sec \delta$. These expressions follow and the differences between the observed values and those computed from the corresponding expressions are given in the third, fifth, seventh, ninth, eleventh, and thirteenth columns of the preceding table.

Corrections to the Observed Times of Transit to Eliminate the Effect of Personal Equation, as Determined by the Personal Equation Machine.

Observer.	ΔT	
	Right to Left.	Left to Right.
Chronograph Observations.		
	$\begin{smallmatrix} s & s \end{smallmatrix}$	$\begin{smallmatrix} s & s \end{smallmatrix}$
Littell.....	$-0.134 + 0.0017 \sec \delta$	$-0.137 - 0.0065 \sec \delta$
Morgan.....	$-0.032 + 0.0010 \sec \delta$	$-0.040 - 0.0008 \sec \delta$
Pawling.....	$-0.062 - 0.0031 \sec \delta$	$-0.101 - 0.0033 \sec \delta$
Eye and Ear Observations.		
Littell.....	$+0.136 + 0.0120 \sec \delta$	$+0.102 + 0.0096 \sec \delta$
Morgan.....	$-0.033 + 0.0026 \sec \delta$	$+0.001 + 0.0055 \sec \delta$
Pawling.....	$+0.069 + 0.0087 \sec \delta$	$+0.082 + 0.0106 \sec \delta$

The following comparisons show the agreement between the above results and those obtained from star observations:

Relative Personal Equation at the Equator.

	$\Delta T_L - \Delta T_M$	$\Delta T_P - \Delta T_M$	$\Delta T_L - \Delta T_P$
	$\begin{smallmatrix} s \end{smallmatrix}$	$\begin{smallmatrix} \text{■} \end{smallmatrix}$	$\begin{smallmatrix} s \end{smallmatrix}$
From Clock Stars (page A xxxviii).....	-0.106	-0.048	-0.058
From Personal Equation Machine.....	-0.101	-0.034	-0.067

Personal Equation Correction for Change in Star's Direction of Motion.

	ΔT_L	ΔT_M	ΔT_P
	$\begin{smallmatrix} s \end{smallmatrix}$	$\begin{smallmatrix} \text{■} \end{smallmatrix}$	$\begin{smallmatrix} s \end{smallmatrix}$
From Zenith Stars (page A lxxiii).....	-0.033^1	$+0.003^2$	-0.044
From Machine, Left to Right — Right to Left.....	-0.014	-0.010	-0.039

¹ Determination made in 1908, about 2½ months after beginning observing, following a period of 5 years, in which practically no transit circle observing was done by him. The value from the machine was determined 3½ years later.

² Mean of 3 determinations, $+0.018$ in 1905, -0.003 in 1907, and -0.005 in 1908. The value from the machine was determined in 1912. Transit circle observing was practically discontinued for about 20 months between 1905 and 1907.

The application of the above corrections to the pole star observations, 1908-1911, made the following changes in the average differences of the concluded right ascensions of these stars as determined by the different observers.

	$\alpha_L - \alpha_M$	$\alpha_M - \alpha_P$
	S S	S S
Chronograph Stars.....	+0.10 to +0.11	-0.12 to -0.08
Eye and Ear Stars.....	-0.62 to -0.15	+0.16 to -0.16

A complete elimination of these differences is not to be expected as the systematic error of the instrumental constants might leave residual differences even if the observations were perfectly corrected for personal transit errors.

Relative personal equation from azimuth star observations.—Since the difference between the right ascensions of a star as determined by two different observers should arise entirely from their different personal equations, such differences were used in connection with the absolute personal equations of the three observers just given to determine the final personal equations of all the observers.

The first step was to employ the observed right ascensions of the azimuth stars made by the three observers L., M., and P., in the winters of 1908-9, 1909-10, and 1910-11 for the determination of fundamental positions of these stars, see page A xxxi. The following differences were obtained, each depending upon about eight observations by each observer, except in the case of δ Ursæ Minoris where the average number of observations by each observer was seventeen.

Differences in the Observed Right Ascensions of the Azimuth Stars, 1908-1911.

[illegible]

As the observations with the machine indicate that the personal equation of each of the observers varies as the secant of the declination, the expressions below for the differences in personal equation, eye and ear, were obtained in the form $x+y \sec \delta$ from the above differences in right ascension of the azimuth stars. The weight assigned each difference was $\cos \delta$, except in the case of δ Ursæ Minoris, where it was $2 \cos \delta$, because of the larger number of observations.

A comparison of the differences derived from the observed right ascensions and those computed by means of the formulæ below are given in the foregoing table in the columns $O-C$.

Expressions Representing the Differences in the Observed Right Ascensions of the Eye and Ear Azimuth Stars, 1908-1911.

	Above the Pole.	Below the Pole.
	s s	s s
$\alpha_M - \alpha_P$	$+0.220 + 0.0067 \sec \delta$	$-0.017 - 0.0013 \sec \delta$
$\alpha_M - \alpha_L$	$+0.337 + 0.0095 \sec \delta$	$+0.246 + 0.0070 \sec \delta$
$\alpha_P - \alpha_L$	$+0.117 + 0.0028 \sec \delta$	$+0.261 + 0.0083 \sec \delta$

Preliminary personal equation for azimuth stars.—Before combining the results obtained from the star observations with those obtained from the personal equation machine it must be borne in mind that the error in the right ascension of a given star due to personal equation of the observer is the difference between the errors in the times of transit of a star of the given declination and of the clock star that is,

$$\Delta\alpha_\delta = \Delta T_\delta - \Delta T_0,$$

where ΔT_0 is the error in the time of transit of the clock star.

Forming thus from the machine eye and ear results the expressions for $\Delta\alpha_L$, $\Delta\alpha_M$, and $\Delta\alpha_P$, and combining these by the method of least squares with the expressions for $\alpha_M - \alpha_P$, $\alpha_M - \alpha_L$ and $\alpha_P - \alpha_L$ we obtain the following results:

Corrections to the Observed Right Ascensions of Close Circumpolar Stars Observed Eye and Ear, September, 1908, to April, 1911, to Eliminate the Personal Equation of the Observer.

Observer.	Above the Pole.	Below the Pole.
	s s	s s
Littell.....	$+0.276 + 0.0118 \sec \delta$	$+0.294 + 0.0126 \sec \delta$
Morgan.....	$-0.028 + 0.0037 \sec \delta$	$+0.042 + 0.0050 \sec \delta$
Pawling.....	$+0.166 + 0.0100 \sec \delta$	$+0.064 + 0.0056 \sec \delta$

Similarly we obtain

Corrections to the Observed Right Ascensions of the Chronograph Azimuth Stars, September, 1908, to April, 1911, to Eliminate the Personal Equation of the Observer.

Observer.	Above the Pole.	Below the Pole.
	■	s
Littell.....	-0.085	0.000
Morgan.....	$+0.007$	$+0.045$
Pawling.....	-0.049	-0.045

To derive the personal equation corrections to the circumpolar observations for the years 1903 to 1908, the right ascensions of the azimuth stars, as first reduced, were corrected so as to depend upon positions of the marks based upon the fundamental star places of the 1908-1911 work, see column 10, \mathcal{A}_1 Table XVIII. The mean right ascensions were then formed for each star by observers, and the differences of these right ascensions determined for each pair of observers. The observations of Ei. and T. were omitted from this discussion because of the small number. For the eye and ear stars, algebraic expressions for the differences in right ascension were obtained in the form $x+y \sec \delta$ for each pair of observers by the method of least squares, from the differences in right ascension of the azimuth stars just formed. The weight assigned each difference was $\frac{nn'}{n+n'} \cos \delta$, where n and n' are the number of observations by the two observers, respectively. The following table contains these right ascension differences and the residuals when from these differences are subtracted the corresponding values derived from the expressions for the difference in personal equation, which expressions immediately follow the table:

Differences in the Observed Right Ascensions of the Azimuth Stars, 1903-1908, the Azimuth of the Marks being Corrected for the Adopted Fundamental Positions of the Azimuth Stars.

Star.	Above the Pole.						Below the Pole.					
	$\alpha_R - \alpha_L$		$\alpha_R - \alpha_{Br}$		$\alpha_R - \alpha_M$		$\alpha_R - \alpha_L$		$\alpha_R - \alpha_{Br}$		$\alpha_R - \alpha_M$	
	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C
Eye and Ear Observations.												
λ Ursæ Minoris....	^s +0.71	^s +0.25	^s +0.04	^s +0.09	^s -0.13	^s -0.82	^s +1.95	^s +0.50	^s +1.80	^s +1.01	....	....
4 B. Ursæ Minoris....	....	....	....	....	....	....	^s +0.20	^s -1.04	^s -0.39	^s -1.01	....	....
α Ursæ Minoris ...	-0.10	-0.40	-0.55	-0.40	+1.00	+0.41	....	....	+0.06	-0.38	-0.15	-0.34
6 B. Ursæ Minoris....	....	....	+0.58	+0.90	+0.91	+0.49	....	....	+0.35	+0.50	....	....
57 B. Ursæ Minoris....	....	....	-0.22	+0.18	+0.63	+0.30	....	....	....	....	....	....
51 H. Cephei.....	-0.48	-0.31	-0.93	-0.49	0.00	-0.30	-0.17	+0.03	-0.63	+0.01	-0.23	+0.25
39 H. Cephei.....	....	....	....	....	....	....	....	....	....	....	....	....
δ Ursæ Minoris ...	-0.07	+0.16	-0.25	+0.22	+0.19	-0.07	-0.39	-0.03	-0.97	-0.19	-0.39	+0.18
43 H. Cephei.....	....	....	....	....	....	....	....	....	....	....	....	....
151 H ¹ . Cephei.....	....	....	....	....	....	....	....	....	-0.94	+0.02	-1.01	-0.34
Chronograph Observations.												
ϵ Ursæ Minoris....	....	....	....	....	....	....	....	....	....	....	....	....
76 Draconis.....	-0.35	....	-0.19	....	....	....	....	....	-0.18	....	....	....
1 H. Draconis ....	....	....	....	....	....	....	....	....	....	....	....	....

Differences in the Observed Right Ascensions of the Azimuth Stars, 1903-1908, the Azimuth of the Marks being Corrected for the Adopted Fundamental Positions of the Azimuth Stars—Contd.

[illegible]

Differences in the Observed Right Ascensions of the Azimuth Stars, 1903-1908, the Azimuth of the Marks being Corrected for the Adopted Fundamental Positions of the Azimuth Stars—Contd.

[illegible]

Differences in the Observed Right Ascensions of the Azimuth Stars, 1903-1908, the Azimuth of the Marks being Corrected for the Adopted Fundamental Positions of the Azimuth Stars—Contd.

Star.	Above the Pole.						Below the Pole.					
	$\alpha_{B_0} - \alpha_P$		$\alpha_M - \alpha_{F_k}$		$\alpha_P - \alpha_{F_k}$		$\alpha_{E_1} - \alpha_P$		$\alpha_M - \alpha_{F_k}$		$\alpha_P - \alpha_{F_k}$	
	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C
Eye and Ear Observations.												
λ Ursæ Minoris...	s	s	s	s	s	s	s	s	s	s	s	s
4 B. Ursæ Minoris.	....	....	-0.87	-0.64	-1.66	-0.44	....	....	....	....	....	....
α Ursæ Minoris...	....	....	....	....	....	....	-5.63	+0.09	-1.72	-0.54	....	....
6 B. Ursæ Minoris.	-5.78	-0.87	....	....	....	....	....	....	+0.13	+1.17	-0.37	-0.17
57 B. Ursæ Minoris.	....	....	+0.17	+0.41	-0.29	+0.20	....	....	....	....	....	....
51 H. Cephei.....	....	....	-0.50	-0.25	-0.22	+0.03	-1.77	-0.24	....	....	+0.42	+0.48
δ Ursæ Minoris....	....	....	....	....	....	....	-0.88	+0.18	+0.09	+0.27	-0.08	-0.03
43 H. Cephei.....	+0.02	+1.28	-0.27	-0.02	-0.08	-0.03	....	....	....	....	....	....
151 H ¹ . Cephei.....	....	....	....	....	....	....	....	....	-0.18	-0.21	-0.07	-0.06
....	-1.55	-0.81	....	....	....	....	....	....	+0.07	0.00	....	....
Chronograph Observations.												
ϵ Ursæ Minoris....	....	....	....	....	....	....	....	....	....	....	....	....
76 Draconis.....	....	....	....	....	....	....	-0.95	....	....	....	-0.67 ¹	....
1 H. Draconis.....	....	....	....	....	....	....	....	....	....	....	....	....

¹ $\alpha_P - \alpha_{B_r}$.

Expressions Representing the Differences in the Observed Right Ascensions of the Eye and Ear Azimuth Stars, 1903-1908.

	Above the Pole.	Below the Pole.
	s s	s s
$\alpha_E - \alpha_L$	-0.509 + 0.017 sec δ	-1.114 + 0.045 sec δ
$\alpha_E - \alpha_{B_r}$	-0.650 + 0.010 sec δ	-1.442 + 0.039 sec δ
$\alpha_E - \alpha_M$	+0.085 + 0.011 sec δ	-0.966 + 0.024 sec δ
$\alpha_{B_r} - \alpha_M$	+0.296 + 0.019 sec δ	+0.170 + 0.005 sec δ
$\alpha_L - \alpha_{B_r}$	-0.213 - 0.007 sec δ	-0.641 + 0.005 sec δ
$\alpha_{B_r} - \alpha_Y$	+0.381 + 0.008 sec δ	-0.670 + 0.096 sec δ
$\alpha_M - \alpha_Y$	+0.362 - 0.027 sec δ	-1.326 + 0.107 sec δ
$\alpha_{B_r} - \alpha_{H_1}$	+0.540 + 0.015 sec δ	+0.249 + 0.037 sec δ
$\alpha_M - \alpha_{H_1}$	-0.280 + 0.045 sec δ	-0.306 + 0.020 sec δ
$\alpha_{B_r} - \alpha_{B_s}$	-0.661 + 0.152 sec δ	-0.910 + 0.164 sec δ
$\alpha_{H_1} - \alpha_{B_s}$	-1.791 + 0.159 sec δ	-1.164 + 0.127 sec δ
$\alpha_{H_1} - \alpha_P$	-0.168 - 0.018 sec δ	-0.044 + 0.012 sec δ
$\alpha_{B_s} - \alpha_P$	+0.688 - 0.116 sec δ	+1.875 - 0.144 sec δ
$\alpha_M - \alpha_{F_k}$	-0.262 + 0.001 sec δ	+0.450 - 0.031 sec δ
$\alpha_P - \alpha_{F_k}$	+0.431 - 0.029 sec δ	+0.074 - 0.006 sec δ

Combining, by the method of least squares, these expressions for the differences in the observed right ascensions with those for the personal equation corrections of L., M., and P., page A LX, the following expressions for the personal equation cor-

rections of the various observers were obtained. The expressions for the personal equation corrections of L., M., and P. are repeated.

Corrections to the Observed Right Ascensions of Close Circumpolar Stars, Observed Eye and Ear, to Eliminate the Personal Equation of the Observers. [First Approximation.]

Observer.	Above the Pole.	Below the Pole.
	s s	s s
Littell.....	+0.276+0.0118 sec δ	+0.294+0.0126 sec δ
Rice.....	+0.358-0.0087 sec δ	+1.194-0.0325 sec δ
Brown.....	-0.285-0.0032 sec δ	-0.247-0.0010 sec δ
Morgan.....	-0.028+0.0037 sec δ	+0.042+0.0050 sec δ
Yowell.....	+0.196-0.0054 sec δ	-1.070+0.1029 sec δ
Hall.....	+0.279+0.0209 sec δ	-0.048+0.0221 sec δ
Boss.....	-1.104+0.1577 sec δ	-1.212+0.1568 sec δ
Pawling.....	+0.166+0.0100 sec δ	+0.064+0.0056 sec δ
Frederick.....	+0.172-0.0074 sec δ	+0.416-0.0214 sec δ

Combining, similarly, the differences in the observed right ascensions of the chronograph azimuth stars, pages A LXI to A LXV, with the personal equation corrections of L., M., and P., page A LX, the following values of the personal equation correction of the various observers for the chronograph azimuth stars were obtained. The personal equation corrections for L., M., and P. are repeated.

Corrections to the Observed Right Ascensions of Chronograph Circumpolar Stars at 82° Declination. [First Approximation.]

Observer.	Above the Pole.	Below the Pole.
	s	s
Littell.....	-0.085	0.000
Rice.....	+0.172	-0.190
Brown.....	-0.118	-0.369
Morgan.....	+0.007	+0.045
Yowell.....	+0.180	-0.004
Hall.....	-0.067	-0.051
Boss.....	+0.624	+0.831
Pawling.....	-0.049	-0.045

Definitive personal equation for eye and ear stars.—When the azimuths of the marks were revised by introducing the above corrections for personal equation and the fundamental positions of the azimuth stars, page A xxxii, there remained a systematic difference between the positions of the marks determined from observations of stars culminating above the pole and those determined from observations of stars culminating below the pole. Thinking that this might be due to the fact that the personal equation of each observer was assumed constant throughout the entire period of the work, a redetermination of personal equation was made as follows: All the observations in right ascension of the eye and ear azimuth stars, 1903–1908, were re-reduced, using the revised positions of the azimuth marks, which depend upon an equal number of observations above and below the pole and therefore are not affected by the difference to which reference has just been made.

The correction to the ephemeris was then determined for each star for each observer for each of the four clamp years—September, 1903, to August, 1904; September, 1904, to June, 1905; August, 1905, to October, 1906; and April, 1907, to April, 1908. The quantity necessary to reduce any one of these corrections to the adopted fundamental corrections, page A xxxii, was taken as the personal equation correction for that particular observer for that particular period. An inspection of all such quantities indicated that within this period, 1903–1908, it was not necessary to adopt more than one expression for the personal equation correction of each observer, except in the case of M., for whose observations a separate expression was obtained for each of the two distinct periods during which he observed, December, 1903, to August, 1905, and April, 1907, to April, 1908. In no case has the personal equation of either L., M., or P., determined for the period 1908–1911, been assumed to hold in this earlier period. The following table contains the personal equation corrections obtained as just described for each observer and each star. Where more than one result is given for a star, the different results are for different clamp years. In determining the expression in the form $x + y \sec \delta$ for the personal equation correction of each observer, the correction for each star was given the weight $n \cos \delta$, where n is the number of observations upon which the correction depends. The number of observations in each case is indicated by a subscript.

Corrections to Reduce Observed Right Ascensions of Eye and Ear Azimuth Stars, 1903–1908, to the Fundamental Right Ascensions of 1908–1911, with their Residuals from the Adopted Values of Table Following.

Star.	Above the Pole.						Below the Pole.					
	$\Delta\alpha_R$		$\Delta\alpha_L$		$\Delta\alpha_M(1903-05)$		$\Delta\alpha_R$		$\Delta\alpha_L$		$\Delta\alpha_M(1903-05)$	
	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C
	s	s	s	s	s	s	s	s	s	s	s	s
λ Ursæ Minoris...	+0.44 ₇	−0.15	+1.16 ₃	−0.12	+0.40 ₁	−1.03	−1.00 ₁	−0.64	+0.96 ₃	−0.25	−0.46 ₂	−1.00
4 B. Ursæ Minoris.	....	....	....	....	+0.28 ₂	−1.03	+1.09 ₁	+1.32	+1.42 ₂	+0.32	+1.16 ₅	+0.65
α Ursæ Minoris...	+1.08 ₃	+0.58	+1.24 ₁	+0.22	+1.94 ₂	+0.74	+0.22 ₂	+0.32	....	....	+0.15 ₄	−0.32
....	....	....	....	....	+1.73 ₃	+0.53	....	....	....	....	....	....
6 B. Ursæ Minoris.	−0.09 ₂	−0.45	....	....	+0.63 ₃	−0.15	−0.41 ₂	−0.78	....	....	+0.03 ₄	−0.33
....	....	....	....	....	+0.91 ₁	+0.13	....	....	....	....	+0.63 ₂	+0.27
57 B. Ursæ Minoris.	−0.28 ₂	−0.57	....	....	+0.34 ₄	−0.22	....	....	....	....	+0.17 ₃	−0.13
....	....	....	....	....	+0.91 ₃	+0.35	....	....	....	....	....	....
51 H. Cephei.....	+0.85 ₃	+0.59	+0.37 ₄	+0.14	+0.85 ₁	+0.37	+0.73 ₁₁	+0.02	+0.51 ₃	+0.18	+0.46 ₅	+0.18
....	....	....	....	....	+0.59 ₃	+0.11	....	....	....	....	−0.11 ₁	−0.39
....	....	....	....	....	....	....	....	....	....	....	+0.13 ₁	−0.15
39 H. Cephei.....	....	....	....	....	+0.52 ₂	+0.10	....	....	....	....	+1.44 ₁	+1.18
δ Ursæ Minoris...	+0.12 ₅	−0.10	+0.06 ₆	−0.07	+0.32 ₇	−0.06	+0.57 ₂	−0.24	+0.17 ₆	−0.07	+0.19 ₂	−0.06
....	....	....	....	....	....	....	....	....	....	....	+0.45 ₃	+0.20
43 H. Cephei.....	....	....	....	....	+0.20 ₇	−0.10	....	....	....	....	....	....
....	....	....	....	....	+0.26 ₂	−0.04	....	....	....	....	....	....
151 H ¹ . Cephei.....	....	....	....	....	+0.66 ₁	+0.39	+1.16 ₂	+0.22	....	....	+0.14 ₇	−0.08
....	....	....	....	....	....	....	....	....	....	....	+0.04 ₂	−0.18

Corrections to Reduce Observed Right Ascensions of Eye and Ear Azimuth Stars, 1903-1908, to the Fundamental Right Ascensions of 1908-1911, with their Residuals from the Adopted Values of Table Following—Continued.

Star.	Above the Pole.						Below the Pole.					
	$\Delta\alpha_M$ (1907-08)		$\Delta\alpha_Y$		$\Delta\alpha_{Br}$		$\Delta\alpha_M$ (1907-08)		$\Delta\alpha_Y$		$\Delta\alpha_{Br}$	
	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C
	s	s	s	s	s	s	s	s	s	s	s	s
λ Ursæ Minoris...	+0.65 ₁	+0.41	....	....	+0.56 ₃	+0.45	+0.80 ₂	+0.50	....	....	+0.81 ₂	+0.86
	....	....	....	....	....	....	....	....	....	....	-1.31 ₁	-1.26
	....	....	....	....	-0.54 ₃	-0.65	....	....	....	....	-1.35 ₃	-1.30
4 B. Ursæ Minoris.	+0.30 ₂	+0.05	....	....	....	....	-1.37 ₁	-1.67	....	....	+0.83 ₃	+0.88
	....	....	-0.85 ₁	-0.62	-1.03 ₅	-1.11	....	....	....	....	+1.66 ₂	+1.71
	....	....	....	....	-0.19 ₁	-0.27	....	....	....	....	-2.76 ₁	-2.71
α Ursæ Minoris...	....	....	....	....	+0.51 ₁₀	+0.47	+0.54 ₂	+0.24	....	....	+0.23 ₁₀	+0.28
	....	....	....	....	-0.48 ₁	-0.52	....	....	....	....	-0.17 ₄	-0.12
	....	....	....	....	+1.00 ₃	+0.96	....	....	....	....	+0.41 ₂	+0.46
6 B. Ursæ Minoris.	+0.24 ₈	-0.04	....	....	+0.41 ₅	+0.49	....	....	....	....	+0.09 ₃	+0.15
	....	....	+0.21 ₃	+0.13	-0.75 ₅	-0.67	....	....	+2.27 ₃	+0.06	-0.27 ₄	-0.21
	....	....	....	....	+0.52 ₄	+0.60	....	....	....	....	-0.33 ₅	-0.27
57 B. Ursæ Minoris.	+0.34 ₄	+0.05	....	....	-0.50 ₆	-0.36	0.00 ₂	-0.31	....	....	....	....
	....	....	....	....	-0.31 ₂	-0.17	....	....	....	....	-0.60 ₂	-0.54
	....	....	....	....	-0.15 ₄	-0.01	....	....	....	....	-0.94 ₃	-0.88
51 H. Cephei.....	+0.15 ₆	-0.14	....	....	-0.09 ₆	+0.08	....	....	....	....	+0.06 ₃	+0.12
	....	....	+0.50 ₂	+0.25	-0.55 ₅	-0.38	....	....	....	....	....	....
	....	....	....	....	-0.16 ₄	+0.01	....	....	....	....	+0.07 ₅	+0.13
39 H. Cephei.....	....	....	....	....	+0.02 ₂	+0.21	+0.72 ₂	+0.41	....	....	....	....
	....	....	+0.50 ₁	+0.21	-0.21 ₃	-0.02	....	....	+0.95 ₁	+0.02	+0.34 ₃	+0.40
	....	....	....	....	+0.14 ₂	+0.33	....	....	....	....	-0.06 ₄	0.00
δ Ursæ Minoris...	+0.38 ₁	+0.08	....	....	-0.15 ₁	+0.05	+0.47 ₇	+0.16	....	....	-0.38 ₄	-0.32
	....	....	....	....	-0.04 ₁	+0.16	....	....	+0.59 ₂	-0.23	+0.13 ₃	+0.19
	....	....	....	....	-0.05 ₁	+0.15	....	....	....	....	-0.02 ₅	+0.04
43 H. Cephei.....	....	....	....	....	....	....	+0.14 ₆	-0.17	....	....	+0.45 ₁	+0.51
	....	....	+0.19 ₃	-0.16	-0.10 ₇	+0.12	....	....	+0.70 ₂	+0.18	-0.13 ₆	-0.07
	....	....	....	....	-0.02 ₂	+0.20	....	....	....	....	-0.43 ₁	-0.37
151 H ¹ . Cephei.....	+0.42 ₃	+0.12	....	....	....	....	+0.29 ₃	-0.02	....	....	+0.21 ₅	+0.27
	....	....	....	....	-0.52 ₄	-0.29	....	....	+0.38 ₂	-0.04	-0.17 ₃	-0.11
	....	....	....	....	-0.05 ₂	+0.18	....	....	....	....	-0.12 ₅	-0.06

Corrections to Reduce Observed Right Ascensions of Eye and Ear Azimuth Stars, 1903-1908, to the Fundamental Right Ascensions of 1908-1911, with their Residuals from the Adopted Values of Table Following—Continued.

Star.	Above the Pole.						Below the Pole.					
	$\Delta\alpha_{B_0}$		$\Delta\alpha_{H_1}$		$\Delta\alpha_P$		$\Delta\alpha_{B_0}$		$\Delta\alpha_{H_1}$		$\Delta\alpha_P$	
	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C	Obs'd.	O—C
	s	s	s	s	s	s	s	s	s	s	s	s
λ Ursæ Minoris...	.....	.....	+1.97 ₄	-0.12	.....	.....	+5.26 ₁	-2.36	+1.35 ₁	+0.03	.....	.....
4 B. Ursæ Minoris.	+7.25 ₃	-0.33	.....	.....	+2.10 ₁	+1.02	.....	.....	+0.53 ₄	-0.79	+1.45 ₂	+0.87
α Ursæ Minoris...	.....	.....	+2.45 ₂	+0.51	-0.42 ₂	-1.40	.....	.....	.....	.....	-0.59 ₂	-1.15
	+7.91 ₂	+1.05	+1.37 ₃	-0.43	+2.95 ₁	+2.06	+8.25 ₁	+1.95	+1.94 ₁	+0.81	.....	.....
	.....	.....	+3.24 ₁	+1.44	.....	.....	.....	.....	.....	.....	+1.10 ₁	+0.57
6 B. Ursæ Minoris.	+4.49 ₅	+0.23	+1.15 ₅	-0.11	.....	.....	+4.98 ₄	+1.06	+1.45 ₃	+0.65	.....	.....
	.....	.....	+1.40 ₅	+0.14	+0.70 ₆	+0.15	.....	.....	+1.55 ₃	+0.75	.....	.....
57 B. Ursæ Minoris.	+2.34 ₁	-0.57	+0.91 ₁	-0.09	.....	.....	+2.99 ₆	+0.30	+0.35 ₄	-0.28	+0.77 ₁	+0.39
	.....	.....	+0.62 ₁	-0.38	+0.06 ₄	-0.31	.....	.....	+0.40 ₅	-0.23	+0.03 ₁	-0.35
51 H. Cephei.....	+2.93 ₁	+0.55	+0.86 ₇	-0.04	.....	.....	+0.79 ₄	-1.42	+0.67 ₈	+0.11	+0.08 ₁	-0.28
	.....	.....	+1.65 ₂	+0.75	+0.24 ₃	-0.06	.....	.....	+0.08 ₅	-0.48	+0.40 ₅	+0.04
39 H. Cephei.....	+2.16 ₁	+0.17	+0.41 ₂	-0.42	.....	.....	+1.75 ₅	-0.11	+1.07 ₂	+0.56	.....	.....
	.....	.....	.....	.....	.....	.....	.....	.....	+0.10 ₃	-0.41	+0.65 ₄	+0.31
δ Ursæ Minoris...	+0.52 ₅	-1.28	+0.92 ₄	+0.13	+0.41 ₁	+0.18	+2.38 ₃	+0.70	+0.64 ₈	+0.15	.....	.....
	.....	.....	+0.44 ₆	-0.35	+0.18 ₇	-0.05	.....	.....	.....	.....	-0.14 ₃	-0.48
43 H. Cephei.....	+1.65 ₄	+0.38	.....	.....	.....	.....	+1.38 ₂	+0.18	+0.66 ₄	+0.24	.....	.....
	.....	.....	+0.54 ₃	-0.14	.....	.....	.....	.....	-0.24 ₁	-0.66	+0.04 ₁	-0.28
151 H ¹ . Cephei.....	+1.55 ₅	+0.47	+0.93 ₆	+0.29	+0.15 ₁	+0.02	+0.95 ₃	-0.07	.....	.....	.....	.....
	.....	.....	+0.60 ₄	-0.04	+0.56 ₁	+0.43	.....	.....	+0.29 ₃	-0.11	+0.39 ₆	+0.08

Star.	Above the Pole.						Below the Pole.					
	$\Delta\alpha_{F_k}$						$\Delta\alpha_{F_k}$					
	Obs'd.	O—C					Obs'd.	O—C				
	s	s	s	s	s	s	s	s	s	s	s	s
λ Ursæ Minoris...	-0.61 ₁	-0.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 B. Ursæ Minoris.	.....	.....	.....	.....	.....	.....	-0.64 ₂	-0.73	.....	.....	.....	.....
α Ursæ Minoris...	+0.46 ₁	+0.57	.....	.....	.....	.....	+0.73 ₁	+0.62	.....	.....	.....	.....
6 B. Ursæ Minoris.	+0.34 ₂	+0.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
57 B. Ursæ Minoris.	-0.26 ₁	-0.41	.....	.....	.....	.....	+0.75 ₂	+0.56	.....	.....	.....	.....
51 H. Cephei.....	.....	.....	.....	.....	.....	.....	+0.31 ₄	+0.11	.....	.....	.....	.....
δ Ursæ Minoris...	+0.06 ₆	-0.16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43 H. Cephei.....	.....	.....	.....	.....	.....	.....	-0.01 ₂	-0.23	.....	.....	.....	.....
151 H ¹ . Cephei.....	+0.91 ₁	+0.64	.....	.....	.....	.....	0.00 ₁	-0.23	.....	.....	.....	.....

Corrections to the Observed Right Ascensions of Close Circumpolar Stars, Observed Eye and Ear, to Eliminate the Effect of the Personal Equation of the Observer. [Final Values.]

Observer.	Above the Pole.	Below the Pole.
	s s	s s
Littell (1903).....	-0.344+0.0283 sec δ	-0.158+0.0239 sec δ
Littell (1908-11).....	+0.276+0.0118 sec δ	+0.294+0.0126 sec δ
Rice.....	+0.074+0.0089 sec δ	+1.296-0.0288 sec δ
Brown.....	-0.324+0.0076 sec δ	-0.066+0.0003 sec δ
Morgan (1903-05).....	-0.050+0.0258 sec δ	+0.130+0.0071 sec δ
Morgan (1907-08).....	+0.322-0.0014 sec δ	+0.313-0.0002 sec δ
Morgan (1908-11).....	-0.028+0.0037 sec δ	+0.042+0.0050 sec δ
Yowell.....	+0.555-0.0148 sec δ	-0.699+0.0906 sec δ
Hall.....	+0.252+0.0321 sec δ	+0.147+0.0204 sec δ
Boss.....	-0.892+0.1605 sec δ	-0.784+0.1467 sec δ
Pawling (1905-08).....	-0.123+0.0209 sec δ	+0.234+0.0061 sec δ
Pawling (1908-11).....	+0.166+0.0100 sec δ	+0.064+0.0056 sec δ
Frederick.....	+0.402-0.0106 sec δ	+0.270-0.0034 sec δ

From the expressions above have been computed the individual corrections for each of the 10 eye and ear azimuth stars given in the following table:

Corrections to the Observed Right Ascensions of the Eye and Ear Azimuth Stars to Eliminate the Effect of the Personal Equation of the Observer.

Star.	$\Delta\alpha_L$ (1903)		$\Delta\alpha_L$ (1908-11)		$\Delta\alpha_E$		$\Delta\alpha_{Br}$		$\Delta\alpha_M$ (1903-05)	
	Above Pole.	Below Pole.	Above Pole.	Below Pole.	Above Pole.	Below Pole.	Above Pole.	Below Pole.	Above Pole.	Below Pole.
	s	s	s	s	s	s	s	s	s	s
λ Ursæ Minoris.....	+1.28	+1.21	+0.95	+1.02	+0.58	-0.36	+0.11	-0.05	+1.43	+0.54
4 B. Ursæ Minoris....	+1.15	+1.10	+0.90	+0.96	+0.54	-0.22	+0.08	-0.05	+1.31	+0.50
α Ursæ Minoris.....	+1.02	+0.99	+0.84	+0.90	+0.50	-0.09	+0.04	-0.05	+1.19	+0.47
6 B. Ursæ Minoris....	+0.56	+0.61	+0.66	+0.70	+0.36	+0.37	-0.08	-0.06	+0.78	+0.36
57 B. Ursæ Minoris....	+0.33	+0.41	+0.56	+0.59	+0.29	+0.61	-0.14	-0.06	+0.56	+0.30
51 H. Cephei.....	+0.23	+0.33	+0.52	+0.55	+0.26	+0.71	-0.17	-0.06	+0.48	+0.28
39 H. Cephei.....	+0.16	+0.27	+0.49	+0.52	+0.23	+0.78	-0.19	-0.06	+0.41	+0.26
δ Ursæ Minoris.....	+0.14	+0.25	+0.48	+0.51	+0.22	+0.81	-0.20	-0.06	+0.39	+0.25
43 H. Cephei.....	+0.04	+0.16	+0.44	+0.46	+0.19	+0.91	-0.22	-0.06	+0.30	+0.23
151 H ¹ . Cephei.....	0.00	+0.13	+0.42	+0.45	+0.18	+0.94	-0.23	-0.06	+0.27	+0.22

Corrections to the Observed Right Ascensions of the Eye and Ear Azimuth Stars to Eliminate the Effect of the Personal Equation of the Observer—Continued.

Star.	$\Delta\alpha_M$ (1907-08)		$\Delta\alpha_M$ (1908-11)		$\Delta\alpha_Y$		$\Delta\alpha_{H_1}$		$\Delta\alpha_{H_2}$	
	Above Pole.	Below Pole.	Above Pole.	Below Pole.	Above Pole.	Below Pole.	Above Pole.	Below Pole.	Above Pole.	Below Pole.
	S	S	S	S	S	S	S	S	S	S
λ Ursæ Minoris.....	+0.24	+0.30	+0.18	+0.33	-0.29	....	+2.09	+1.32	+8.31	+7.63
4 B. Ursæ Minoris....	+0.25	+0.30	+0.17	+0.31	-0.22	....	+1.94	+1.22	+7.57	+6.95
α Ursæ Minoris.....	+0.26	+0.30	+0.15	+0.28	-0.16	....	+1.80	+1.13	+6.84	+6.28
6 B. Ursæ Minoris....	+0.28	+0.31	+0.09	+0.20	+0.08	+2.21	+1.28	+0.80	+4.26	+3.93
57 B. Ursæ Minoris....	+0.29	+0.31	+0.06	+0.16	+0.20	+1.46	+1.02	+0.63	+2.93	+2.71
51 H. Cephei	+0.29	+0.31	+0.05	+0.14	+0.25	+1.15	+0.91	+0.56	+2.39	+2.22
39 H. Cephei	+0.30	+0.31	+0.04	+0.13	+0.29	+0.92	+0.83	+0.51	+1.98	+1.84
δ Ursæ Minoris.....	+0.30	+0.31	+0.04	+0.13	+0.30	+0.84	+0.80	+0.49	+1.82	+1.70
43 H. Cephei	+0.30	+0.31	+0.02	+0.11	+0.36	+0.53	+0.69	+0.42	+1.28	+1.20
151 H ¹ . Cephei.....	+0.30	+0.31	+0.02	+0.10	+0.37	+0.41	+0.64	+0.40	+1.07	+1.01

Star.	$\Delta\alpha_P$ (1905-08)		$\Delta\alpha_P$ (1908-11)		$\Delta\alpha_{P_k}$	
	Above Pole.	Below Pole.	Above Pole.	Below Pole.	Above Pole.	Below Pole.
	S	S	S	S	S	S
λ Ursæ Minoris.....	+1.08	+0.58	+0.74	+0.38	-0.21	+0.08
4 B. Ursæ Minoris....	+0.98	+0.56	+0.69	+0.36	-0.16	+0.09
α Ursæ Minoris.....	+0.88	+0.53	+0.65	+0.33	-0.11	+0.11
6 B. Ursæ Minoris....	+0.55	+0.43	+0.49	+0.24	+0.06	+0.16
57 B. Ursæ Minoris....	+0.37	+0.38	+0.40	+0.20	+0.15	+0.19
51 H. Cephei	+0.30	+0.36	+0.37	+0.18	+0.18	+0.20
39 H. Cephei	+0.25	+0.34	+0.34	+0.16	+0.21	+0.21
δ Ursæ Minoris.....	+0.23	+0.34	+0.34	+0.16	+0.22	+0.21
43 H. Cephei	+0.16	+0.32	+0.30	+0.14	+0.26	+0.22
151 H ¹ . Cephei.....	+0.13	+0.31	+0.29	+0.13	+0.27	+0.23

Relative personal equation in right ascension for stars culminating south of the zenith.—For every star observed during any one clamp year by two or more observers, the differences between the observed right ascensions were formed for each pair of observers. All the results for each pair of observers were collected and arranged according to the declination of the star. These differences for the stars culminating south of the zenith were sufficiently small to be attributed to accidental error entirely, and no correction has been applied to the right ascensions of stars culminating south of the zenith. This, of course, was to be expected for the clock stars from the manner in which the observations were reduced.

Discontinuity in right ascension in passing the zenith.—The discontinuity at the zenith, due to change in direction of apparent motion of a star, when the observer changes from head north to head south was determined as follows:

(a) Lists of stars culminating near the zenith so that each star could be observed conveniently either head north or head south were observed on a number of nights. On each night half the stars were observed head north and the remaining half head south. On the second of a pair of nights each star was observed with the head in the opposite position from that which was used on the preceding night. All the observations were reduced with clock corrections determined from equatorial stars, i. e., observed head north. By the method of observing—half the stars on any night head north and the other half head south—any constant error in the right ascensions of that night would enter the determination, Head North–Head South, from that night and another night, with one sign for the head north stars and the opposite sign for the head south stars, and so would disappear in the mean from all the stars. The various determinations by the different observers result from about 40 pairs of observations except the second determination by Br. in which about half the usual number of observations was used. The different determinations by the same observer were made in successive years.

(b) The two expressions, page A LVIII, for the personal equation of each of the three observers, L., M., and P., from observations with the personal equation machine were subtracted, left to right minus right to left, and the value of the difference computed for $\delta = +38^\circ 55'$, the declination of the zenith.

(c) The observed right ascensions of each star for each clamp year from declination $+20^\circ$ to $+35^\circ$ and also from $+43^\circ$ to $+58^\circ$ were grouped by observers and the means by observers formed. For each year the differences in right ascension were formed for each star for each pair of observers. After multiplying each difference by $\cos \delta$, the mean difference for each pair of observers was formed by years from all the stars south of the zenith and also for all the stars north of the zenith. Then for each pair of observers the mean difference for the north stars was subtracted from the mean difference of the south stars for each year, and each such quantity multiplied by $\sec 38^\circ 55'$ (the declination of the zenith) is the difference between their personal equations due to changing position from head north to head south.

Each of the first two processes gave the personal equation of each observer due to changing position from head north to head south, while the third process gave the difference between the equations for each pair of observers. The results from these three investigations were combined by the method of least squares. In the first case each determination was given a weight 1, except that the second determination of Br. was given a weight 0.5; in the second case each determination was given a weight 2; and in the third case the weights varied from 0.3 to 3, the unit of weight being, of course, the same in all three cases. The separate determinations, the final adopted values, and the residuals (O–C) follow:

Determinations of the Corrections to the Right Ascensions of Zenith Stars Observed Head South to Reduce to the System of the Right Ascensions of Zenith Stars Observed Head North.

	Obs'd.	O—C		Obs'd.	O—C		Obs'd.	O—C
Zenith Stars.								
	s	s		s	s		s	s
$\Delta\alpha_{E1}$	+0.021	0.000	$\Delta\alpha_M$	+0.018	+0.017	$\Delta\alpha_{H1}$	-0.092	-0.019
$\Delta\alpha_{E1}$	+0.021	0.000	$\Delta\alpha_M$	-0.003	-0.004	$\Delta\alpha_{B8}$	-0.020	-0.020
$\Delta\alpha_L$	-0.033	-0.007	$\Delta\alpha_M$	-0.005	-0.006	$\Delta\alpha_P$	-0.046	-0.006
$\Delta\alpha_{Br}$	+0.001	+0.042	$\Delta\alpha_Y$	-0.030	-0.005	$\Delta\alpha_P$	-0.042	-0.002
$\Delta\alpha_{Br}$	-0.012	+0.029	$\Delta\alpha_{H1}$	-0.059	+0.014	$\Delta\alpha_{Fk}$	-0.016	-0.020
Personal Equation Machine.								
$\Delta\alpha_L$	-0.014	+0.012	$\Delta\alpha_M$	-0.010	-0.011	$\Delta\alpha_P$	-0.039	+0.01
South Stars—North Stars.								
$\Delta\alpha_L - \Delta\alpha_E$..	-0.030	-0.006	$\Delta\alpha_M - \Delta\alpha_Y$..	+0.031	+0.005	$\Delta\alpha_M - \Delta\alpha_P$..	+0.051	+0.010
$\Delta\alpha_L - \Delta\alpha_{Br}$..	-0.006	-0.021	$\Delta\alpha_{Br} - \Delta\alpha_{H1}$..	+0.009	-0.023	$\Delta\alpha_M - \Delta\alpha_{Fk}$..	-0.040	-0.037
$\Delta\alpha_R - \Delta\alpha_{Br}$..	+0.035	-0.004	$\Delta\alpha_M - \Delta\alpha_{H1}$..	+0.077	+0.003	$\Delta\alpha_M - \Delta\alpha_{Fk}$..	-0.010	-0.007
$\Delta\alpha_E - \Delta\alpha_M$..	-0.001	+0.002	$\Delta\alpha_{Br} - \Delta\alpha_{B8}$..	-0.054	-0.013	$\Delta\alpha_P - \Delta\alpha_{Fk}$..	-0.044	0.000
$\Delta\alpha_{Br} - \Delta\alpha_M$..	-0.044	-0.002	$\Delta\alpha_{H1} - \Delta\alpha_{B8}$..	-0.068	+0.005	$\Delta\alpha_P - \Delta\alpha_{Fk}$..	-0.049	-0.005
$\Delta\alpha_{Br} - \Delta\alpha_M$..	-0.060	-0.018	$\Delta\alpha_{H1} - \Delta\alpha_P$..	-0.039	-0.006	$\Delta\alpha_M - \Delta\alpha_L$..	+0.033	-0.004
$\Delta\alpha_{Br} - \Delta\alpha_Y$..	-0.027	-0.011	$\Delta\alpha_M - \Delta\alpha_P$..	+0.037	-0.004	$\Delta\alpha_P - \Delta\alpha_L$..	-0.040	-0.026

Adopted Corrections to the Right Ascensions of Zenith Stars Observed Head South to Reduce to the System of the Right Ascensions of Zenith Stars Observed Head North.

	s		s		s
$\Delta\alpha_{E1}$	+0.021	$\Delta\alpha_M$	+0.001	$\Delta\alpha_{B8}$	0.000
$\Delta\alpha_L$	-0.026	$\Delta\alpha_Y$	-0.025	$\Delta\alpha_P$	-0.040
$\Delta\alpha_E$	-0.002	$\Delta\alpha_{H1}$	-0.073	$\Delta\alpha_{Fk}$	+0.004
$\Delta\alpha_{Br}$	-0.041				

Definitive personal equation in right ascension for stars observed chronographically culminating north of the zenith.—To find the personal equation in right ascension of the different observers at various points of the meridian from the zenith to the northern horizon, methods similar to the above were used. The stars whose declinations lie between $+43^\circ$ and $+85^\circ$ were divided into three groups, of which the mean declinations are $+50^\circ$, $+65^\circ$, and $+78^\circ.5$, and the stars which culminate below the pole, whose declinations lie between $+63^\circ$ and $+85^\circ$, were divided into two groups, of which the mean declinations are $+69^\circ.0$ and $+79^\circ.5$. For each star the mean right ascensions were formed by observers and the difference in right ascension for each pair of observers. These differences were multiplied by $\cos \delta$, and the mean formed in each group for each pair of observers. These differences are in every case those arising from the use of the preliminary azimuths. As it was found satisfactory to adopt one set of personal equation corrections for the entire eight years, it was not thought necessary to correct the differences which

had been formed before the final azimuths were determined for the corrections to the preliminary azimuths.

These differences, together with the corresponding absolute corrections from the observations with the personal equation machine, for the observers L., M., and P., are tabulated below. From these quantities, by the method of least squares, the correction for each observer was determined in each group. The residuals (O-C), using these determinations, are given with the original quantities.

Observed Quantities for the Determination of the Personal Equation Correction in Right Ascension, Multiplied by $\cos \delta$, for Declinations $+50^\circ.0$, $+65^\circ.0$, and $+78^\circ.5$ Above the Pole, and $+69^\circ.0$ and $+79^\circ.5$ Below the Pole.

	$\delta=+50^\circ.0$		$\delta=+65^\circ.0$		$\delta=+78^\circ.5$		$\delta=+79^\circ.5$ S. P.		$\delta=+69^\circ.0$ S. P.	
	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C
	S	S	S	S	S	S	S	S	S	S
$\Delta \alpha_L - \Delta \alpha_R$	-0.020	-0.005	-0.014	-0.006	-0.007	-0.008	-0.005	-0.008	-0.011	-0.014
$\Delta \alpha_L - \Delta \alpha_{Br}$	+0.011	-0.011	+0.005	-0.023	+0.009	-0.012	+0.020	-0.014	+0.043	-0.002
$\Delta \alpha_R - \Delta \alpha_{Br}$	+0.034	-0.003	+0.037	+0.001	+0.024	+0.004	+0.028	-0.002	+0.028	-0.014
$\Delta \alpha_R - \Delta \alpha_M$	-0.003	-0.003	-0.014	-0.016	-0.030	-0.020	-0.018	-0.003	.....	.....
$\Delta \alpha_{Br} - \Delta \alpha_M$	-0.041	-0.004	-0.039	-0.005	-0.026	+0.003	-0.046	0.000	-0.046	+0.009
$\Delta \alpha_{Br} - \Delta \alpha_Y$	-0.010	-0.006	-0.010	+0.002	-0.016	+0.008	-0.034	-0.017	-0.056	-0.009
$\Delta \alpha_M - \Delta \alpha_Y$	+0.039	+0.006	+0.018	-0.004	-0.002	-0.008	+0.046	+0.018	+0.016	+0.008
$\Delta \alpha_{Br} - \Delta \alpha_{H1}$	+0.006	-0.009	+0.001	0.000	-0.026	-0.015	-0.040	-0.005	-0.029	-0.024
$\Delta \alpha_M - \Delta \alpha_{H1}$	+0.049	-0.003	+0.033	-0.002	+0.025	+0.007	-0.002	-0.012	+0.048	-0.002
$\Delta \alpha_{Br} - \Delta \alpha_{B5}$	-0.050	0.000	-0.077	-0.003	-0.116	-0.006	-0.154	+0.004	-0.170	-0.004
$\Delta \alpha_{H1} - \Delta \alpha_{B5}$	-0.065	0.000	-0.072	+0.003	-0.087	+0.012	-0.128	-0.004	-0.151	+0.010
$\Delta \alpha_M - \Delta \alpha_P$	+0.030	+0.002	+0.017	+0.001	+0.007	0.000	+0.020	+0.004	+0.031	+0.008
$\Delta \alpha_{H1} - \Delta \alpha_P$	-0.028	-0.004	-0.024	-0.005	-0.016	-0.005	-0.005	-0.011	-0.040	-0.013
$\Delta \alpha_M - \Delta \alpha_{Pk}$	-0.022	-0.001	-0.019	0.000	-0.013	+0.004	+0.006	+0.006	+0.025	+0.004
$\Delta \alpha_P - \Delta \alpha_{Pk}$	-0.048	+0.001	-0.035	0.000	-0.026	-0.002	-0.022	-0.006	-0.006	-0.004
$\Delta \alpha_M - \Delta \alpha_L$	+0.019	+0.004	-0.007	-0.013	+0.002	-0.006	+0.016	+0.004	+0.026	+0.016
$\Delta \alpha_P - \Delta \alpha_L$	-0.036	-0.023	-0.022	-0.012	0.000	-0.001	-0.009	-0.004	-0.037	-0.023
$\Delta \alpha_L$	-0.010	+0.005	-0.008	+0.001	-0.008	+0.002	+0.001	+0.003	+0.001	0.000
$\Delta \alpha_M$	-0.007	-0.007	-0.005	-0.002	-0.003	-0.001	+0.001	-0.008	+0.001	-0.010
$\Delta \alpha_P$	-0.026	+0.002	-0.019	0.000	-0.010	-0.001	-0.002	+0.005	-0.002	+0.010

Personal Equation Corrections in Right Ascension Multiplied by $\cos \delta$, for Declinations $+50^\circ.0$, $+65^\circ.0$, and $+78^\circ.5$ Above the Pole, and $+69^\circ.0$ and $+79^\circ.5$ Below the Pole.

	$\delta=+50^\circ.0$	$\delta=+65^\circ.0$	$\delta=+78^\circ.5$	$\delta=+79^\circ.5$ S. P.	$\delta=+69^\circ.0$ S. P.
	S	S	S	S	S
$\Delta \alpha_L$	-0.0150	-0.0093	-0.0099	-0.0023	+0.0012
$\Delta \alpha_R$	0.0000	-0.0014	-0.0112	-0.0056	-0.0020
$\Delta \alpha_{Br}$	-0.0369	-0.0370	-0.0310	-0.0358	-0.0436
$\Delta \alpha_M$	+0.0004	-0.0031	-0.0017	+0.0093	+0.0110
$\Delta \alpha_Y$	-0.0328	-0.0247	-0.0075	-0.0190	+0.0035
$\Delta \alpha_{H1}$	-0.0514	-0.0383	-0.0202	-0.0012	-0.0390
$\Delta \alpha_{B5}$	+0.0134	+0.0369	+0.0788	+0.1225	+0.1220
$\Delta \alpha_P$	-0.0278	-0.0193	-0.0089	-0.0071	-0.0121
$\Delta \alpha_{Pk}$	+0.0215	+0.0155	+0.0153	+0.0090	-0.0098

From the three values of the personal equation correction for each observer, at declinations $+50^{\circ}0$, $+65^{\circ}0$, and $+78^{\circ}5$, in the preceding table, multiplied in each case by $\sec \delta$, and the one previously determined at the zenith, an expression of the form $x+y \sec \delta$ was deduced from which to obtain the correction at any declination. Similarly, from the two values of the personal equation correction for each observer, below the pole at declinations $+69^{\circ}0$ and $+79^{\circ}5$, multiplied in each case by $\sec \delta$, an expression of the form $y (\sec \delta - 1)$ was deduced. The form of the latter was obtained as follows: As stars below the pole have the same apparent direction of motion as viewed in the telescope as stars south of the zenith, one expression of the form $x+y \sec \delta$ will serve for the personal equation correction to the time of transit of these two classes of stars. The personal equation correction to the time of transit of clock stars, i. e., equatorial stars, will then be $x+y$ (almost exactly), and the personal equation correction in right ascension for stars below the pole, which is the difference between the personal equation corrections to the time of transit of these stars and the clock stars becomes $x+y \sec \delta - (x+y)$ or $y (\sec \delta - 1)$. The two sets of expressions are given below, with the residuals.

Expressions From Which to Compute the Definitive Corrections to the Observed Right Ascensions of Stars, Observed Chronographically, Culminating Between the Zenith (observed head south) and the Pole.

	O-C				
	$x+y \sec \delta$	$\delta=+39^{\circ}0$	$\delta=+50^{\circ}0$	$\delta=+65^{\circ}0$	$\delta=+78^{\circ}5$
	s s	s	s	s	s
$\Delta \alpha_L$	$-0.014 - 0.0066 \sec \delta$	-0.003	+0.001	+0.008	-0.003
$\Delta \alpha_R$	$+0.021 - 0.0147 \sec \delta$	-0.004	+0.002	+0.011	-0.003
$\Delta \alpha_{Br}$	$-0.008 - 0.0298 \sec \delta$	+0.006	-0.004	-0.009	+0.002
$\Delta \alpha_M$	$+0.003 - 0.0025 \sec \delta$	+0.001	+0.002	-0.004	0.000
$\Delta \alpha_Y$	$-0.035 - 0.0019 \sec \delta$	+0.012	-0.013	-0.018	+0.007
$\Delta \alpha_{H1}$	$-0.066 - 0.0075 \sec \delta$	+0.003	-0.002	-0.006	+0.003
$\Delta \alpha_{Bq}$	$-0.139 + 0.1044 \sec \delta$	+0.005	-0.003	-0.021	+0.011
$\Delta \alpha_P$	$-0.040 - 0.0012 \sec \delta$	+0.002	-0.001	-0.003	+0.001
$\Delta \alpha_{Fk}$	$-0.009 + 0.0175 \sec \delta$	-0.010	+0.016	+0.005	-0.002
$\Delta \alpha_T^1$	$+0.017 - 0.0100 \sec \delta$	.....	.....	.....	.....

Expressions From Which to Compute the Definitive Corrections to the Observed Right Ascensions of Stars, Observed Chronographically, Culminating Below the Pole.

	O-C		
	$y (\sec \delta - 1)$	$\delta=79^{\circ}5$ S. P.	$\delta=69^{\circ}0$ S. P.
	s	s	s
$\Delta \alpha_L$	$-0.0022 (\sec \delta - 1)$	-0.003	+0.007
$\Delta \alpha_R$	$-0.0063 (\sec \delta - 1)$	-0.002	+0.006
$\Delta \alpha_{Br}$	$-0.0471 (\sec \delta - 1)$	+0.015	-0.037
$\Delta \alpha_M$	$+0.0122 (\sec \delta - 1)$	-0.004	+0.009
$\Delta \alpha_Y$	$-0.0193 (\sec \delta - 1)$	-0.018	+0.044
$\Delta \alpha_{H1}$	$-0.0096 (\sec \delta - 1)$	+0.036	-0.092
$\Delta \alpha_{Bs}$	$+0.1553 (\sec \delta - 1)$	-0.025	+0.062
$\Delta \alpha_P$	$-0.0101 (\sec \delta - 1)$	+0.006	-0.016
$\Delta \alpha_{Fk}$	$+0.0074 (\sec \delta - 1)$	+0.016	-0.040
$\Delta \alpha_T^1$	$+0.0393 (\sec \delta - 1)$	.....	.....

¹ The correction for T. was derived by differencing his observations from the final right ascensions, using all the other observations and treating the residuals by the method of least squares.

Personal equation depending on star magnitude.—About once a year each observer observed a list of stars to determine the effect of the magnitude of a star upon his observed time of transit. By means of the wire-gauze screens attached to the telescope the transit of each star was divided into two parts, during one of which the effective magnitude of the star was about two and a half magnitudes greater than during the other. Every alternate star of each list was observed with the brighter image transiting over a_1 to a_5 , the fainter one over b_1 to b_9 , and the brighter again over c_1 to c_5 , while the intermediate ones were observed with the fainter image transiting over a_1 to a_5 , the brighter over b_1 to b_9 , and the fainter again over c_1 to c_5 , see page A XII. The difference between the mean of the times of transit over b_1 to b_9 and the mean of the times of transit over a_1 to a_5 and c_1 to c_5 was computed for each star in the sense, fainter-brighter. The distance between the mean thread for set b and the mean thread for sets a and c would affect this difference with opposite signs for successive stars and is therefore eliminated by taking the straight mean for any number of such pairs. The following table gives the results obtained by the different observers for the different years:

Change in Observed Time of Transit of a Star Due to a Change in Brightness of 2.5 Magnitudes.

[+ Indicates that the fainter star is observed later.]

Observer.	1903-4		1904-5		1905-6		1907-8		1908-9		1909-10		Mean.
	$\Delta\alpha$	No. of Stars.	$\Delta\alpha$	No. of Stars.	$\Delta\alpha$	No. of Stars.	$\Delta\alpha$	No. of Stars.	$\Delta\alpha$	No. of Stars.	$\Delta\alpha$	No. of Stars.	
	s		s		s		s		s		s		s
Eichelberger...	+0.023	102	+0.032	93	+0.033	100	.....	...	.....	...	.....	...	+0.029
Littell.....	+0.009	52	.....	...	.....	...	.....	...	+0.015	101	+0.004	110	+0.009
Rice.....	+0.009	85	.....	...	.....	...	.....	...	.....	...	.....	...	+0.009
Brown.....	+0.030	105	+0.016	98	+0.026	89	.....	...	.....	...	.....	...	+0.024
Morgan.....	+0.045	91	+0.033	94	.....	...	+0.030	96	+0.015	104	+0.022	110	+0.029
Turner.....	.....	...	+0.024	72	.....	...	.....	...	.....	...	.....	...	+0.024
Yowell.....	.....	...	+0.024	98	.....	...	.....	...	.....	...	.....	...	+0.024
Hall.....	.....	...	.....	...	-0.003	92	-0.018	90	.....	...	.....	...	-0.010
Boes.....	.....	...	.....	...	+0.047	98	.....	...	.....	...	.....	...	+0.047
Pawling.....	.....	...	.....	...	.....	...	+0.005	107	+0.007	92	+0.003	100	+0.005
Frederick.....	.....	...	.....	...	.....	...	.....	...	+0.026	98	.....	...	+0.026

As the screened magnitude of each star observation was within two magnitudes of the mean magnitude for the catalogue (about 8.0) rarely, if ever, would the application of these corrections change the observed right ascension of a star by more than $0^s.01$. No correction for magnitude equation has been applied in reducing the observations. However, in passing from the *Individual Results*, pages A 73 to A 380, to the *Catalogue*, pages A 381 to A 452, the correction for each observer was applied, Table X.

REDUCTION TO 1900.0.

In reducing the positions of the non-ephemeris stars referred to the mean equator and equinox of the beginning of the year of observation to those for 1900.0, the precessions and secular variations were taken from NEWCOMB'S Fundamental Catalogue

or from HEDRICK'S Zodiacal Catalogue whenever the star appeared in one of these. For the remaining non-ephemeris stars the precessions and secular variations were computed from the tables in Annex C, *Annalen der Kaiserlichen Universitäts-Sternwarte in Strassburg, Zweiter Band*, using NEWCOMB'S values.

In obtaining the positions of the ephemeris stars referred to the mean equator and equinox of 1900.0, there was applied to the positions for 1900.0 given in NEWCOMB'S catalogue, in the case of each star, the reduction for proper motion from 1900.0 to the mean epoch of observation, obtained from that catalogue, before the mean observed correction to the ephemeris was applied.

Thus each final position from this work is referred to the mean equator and equinox of 1900.0, but its epoch is the mean epoch of observation.

CLAMP WEST MINUS CLAMP EAST.

After all the above-mentioned corrections had been included in the observed right ascensions of the stars the means were formed for each star by clamp years, see page A XVIII, except for those years in which less than three observations were obtained. This restriction was imposed as it was felt that the remaining material was amply sufficient for the purpose in hand.

For all stars satisfying the above conditions for two consecutive clamp years the difference between the two means was formed and all such differences for each pair of consecutive clamp years were arranged in order of declination, each difference multiplied by $\cos \delta$, and the weighted mean difference formed by groups as exhibited in the following table, 2 groups below the pole, 4 between the pole and the zenith, and 18 south of the zenith.

If n and n' are the number of observations, respectively, of a star in two successive clamp years, each of the above differences was given a weight, $\frac{nn'}{n+n'}$, i. e., weight unity corresponds to a difference between the mean of two observations in one clamp and the mean of two in the other.

$$\Delta\alpha \cos \delta,$$

[Clamp West—Clamp East.]

Mean Decl.	1903-4 1904-5	Wt.	Mean Decl.	1904-5 1905-6	Wt.	Mean Decl.	1905-6 1907-8	Wt.	Mean Decl.	1907-8 1908-9	Wt.	Mean Decl.	1908-9 1909-10	Wt.
°	s		°	s		°	s		°	s		°	s	
+104.9	-0.005	15	+104.1	+0.027	35	+105.1	+0.009	37	+104.9	+0.003	55	+100.5	-0.002	26
+ 92.5	-0.006	26	+ 92.8	0.000	32	+ 93.0	-0.002	39	+ 93.1	-0.011	49	92.6	0.000	69
+ 87.7	-0.007	20	+ 87.1	-0.014	33	+ 87.2	0.000	31	+ 87.4	-0.005	41	+ 87.4	+0.002	78
+ 72.5	-0.014	20	+ 73.8	-0.016	35	+ 75.9	-0.012	40	+ 76.2	-0.001	40	+ 76.5	-0.011	26
+ 52.4	-0.002	21	+ 57.9	-0.005	33	+ 59.3	-0.019	39	+ 61.1	+0.001	40	....	....	..
+ 42.2	+0.014	21	+ 44.0	+0.008	34	+ 45.1	-0.012	40	+ 44.5	-0.004	38	....	....	..
+ 30.0	-0.004	23	+ 31.9	-0.013	42	+ 32.0	-0.008	54	+ 32.6	0.000	61	+ 29.0	+0.007	58
+ 27.6	+0.011	22	+ 27.5	-0.003	41	+ 27.3	+0.001	57	+ 27.9	+0.004	60	+ 26.6	+0.009	59
+ 26.0	+0.004	25	+ 25.4	+0.005	42	+ 24.0	-0.006	56	+ 25.8	0.000	61	+ 23.2	+0.013	57
+ 23.1	-0.002	21	+ 23.0	-0.008	41	+ 21.0	-0.007	57	+ 22.0	-0.003	63	+ 20.6	+0.006	55
+ 17.9	-0.003	24	+ 20.9	-0.001	42	+ 18.3	+0.001	57	+ 19.3	+0.002	59	+ 17.8	+0.007	60
+ 12.8	+0.006	23	+ 16.5	-0.008	42	+ 14.9	+0.001	58	+ 17.2	-0.002	63	+ 14.4	-0.001	56
+ 9.8	+0.001	19	+ 12.1	-0.003	39	+ 10.8	+0.006	57	+ 14.9	-0.004	61	+ 11.5	+0.006	56
+ 9.2	-0.008	20	+ 9.3	+0.001	43	+ 8.3	+0.007	55	+ 11.1	+0.004	61	+ 8.6	-0.005	57
+ 6.6	+0.001	22	+ 7.6	-0.005	44	+ 6.7	-0.004	57	+ 8.8	-0.001	62	+ 5.8	-0.001	60
+ 4.5	+0.001	22	+ 6.1	+0.003	41	+ 4.0	-0.003	58	+ 6.2	+0.008	64	+ 4.2	+0.006	57
+ 3.4	+0.002	24	+ 3.4	-0.006	40	+ 0.7	-0.004	59	+ 3.6	-0.002	62	+ 2.0	+0.005	58
+ 1.1	-0.005	22	+ 0.6	-0.007	40	- 3.1	+0.006	60	- 0.4	+0.002	61	- 2.8	+0.001	58
- 0.7	+0.012	19	- 2.2	+0.005	42	- 6.4	-0.006	53	- 4.4	+0.010	65	- 6.7	+0.002	57
- 2.9	+0.007	22	- 5.2	+0.003	37	- 8.7	-0.008	53	- 8.2	+0.001	66	- 9.1	-0.008	60
- 5.2	-0.011	22	- 7.8	-0.006	40	- 11.7	-0.007	56	- 11.1	-0.006	64	- 11.7	+0.002	57
- 8.3	-0.008	22	- 11.7	+0.001	41	- 15.7	-0.004	57	- 15.1	-0.003	59	- 15.5	-0.016	55
- 10.1	-0.002	23	- 17.1	0.000	42	- 19.8	0.000	52	- 17.5	+0.003	59	- 17.5	-0.006	56
- 20.3	-0.008	25	- 24.0	-0.010	42	- 28.6	-0.009	54	- 24.5	-0.004	58	- 21.8	-0.011	52

It is evident from inspection that if these results were combined into a single series for the entire period and a smooth curve be drawn through the plotted values of $\Delta\alpha \cos \delta$ in no case would the difference amount to more than $0^s.01$. No correction depending upon the clamp has been applied to the right ascensions.

DISCORDANT OBSERVATIONS.

In order to establish a criterion for the selection of discordant observations, a preliminary determination of the probable error of an observed right ascension was made at each of a number of different declinations. From these determinations the following formulæ were obtained to give the probable error at any desired declination:

$$p. e. \text{ (chronograph observations)} = \sqrt{(0^s.012)^2 + (0^s.0183)^2 \sec^2 \delta + (0^s.0110)^2 \tan^2 \delta}$$

$$p. e. \text{ (eye and ear observations)} = 0^s.0156 \sec \delta$$

Each observed right ascension of a star that differed from the mean of all the results for that star by more than three times the probable error was selected for a re-reduction beginning with an inspection of the original record of the observation.

After the completion of this work each observed right ascension of a star that differed from the mean of all the results for that star by more than six times the probable error was rejected. This is indicated in the *Individual Results* by inclosing the seconds of the right ascension in parentheses. Of the 45,000 star observations in right ascension six have been rejected for this cause.

PROBABLE ERROR OF AN OBSERVATION.

After the final positions of the catalogue had been formed 11 groups of stars were selected of 30 stars each, each star having 10 observations. The mean of the declinations of the stars of each group is given in the table below. Only chronograph observations were used.

The residuals, v , for the 10 observations of each star from the mean of the 10 were formed, and the probable error in each group was computed by the formula

$$p. e. = 0.8453 \sqrt{\frac{10}{9}} \cdot \frac{\sum v}{300}$$

Probable Error of a Single Observation of the Final Right Ascensions, Chronograph Observations.

$$\Delta \alpha \cos \delta.$$

Declination.	Probable Error.	Declination.	Probable Error.
°	s	°	s
-33.5.....	0.026	+68.9.....	0.020
-25.7.....	0.028	+78.9.....	0.018
-16.0.....	0.025	+78.5 S. P.	0.021
- 6.0.....	0.021	+68.7 S. P.	0.027
+ 9.2.....	0.023		
+28.9.....	0.021	-20° to +38°.....	0.022
+48.9.....	0.021		

For eye and ear observations the following seven stars were selected, and all the observations of each star were used in obtaining the results given:

Probable Error of a Single Observation of the Final Right Ascensions, Eye and Ear Observations.

$$\Delta \alpha \cos \delta.$$

Star.	Declination.	Above Pole.		Below Pole.	
		Probable Error.	No. Obs.	Probable Error.	No. Obs.
	°	"		"	
λ Ursæ Minoris.....	+89.0	0.012	42	0.020	41
α Ursæ Minoris.....	+88.8	0.016	80	0.014	71
6 B. Ursæ Minoris.....	+88.2	0.017	86	0.018	61
51 H. Cephei.....	+87.2	0.016	79	0.015	96
δ Ursæ Minoris.....	+86.6	0.013	109	0.017	95
43 H. Cephei.....	+85.8	0.015	50	0.018	45
Gr. 750.....	+85.3	0.017	39	0.017	79
Mean.....	....	0.015	...	0.017	..

To determine the probable errors of the different observers, pairs of observations were selected, the two observations of a pair being by the same observer, of the same star, and in the same clamp year. The difference, Δ , was then formed for each pair, and from the differences for each observer was computed his probable error by the formula

$$p. e. = 0.8453 \frac{\Sigma \Delta}{m\sqrt{2}}$$

where m is the number of differences used in $\Sigma \Delta$. This process was carried out for the several different declinations noted in the table below.

Probable Error by Observers of a Single Determination of Right Ascension.

$$\Delta \alpha \cos \delta.$$

Approximate Mean Decl.		Br.		Bs.		Ei.-Y.		Fk.		Hl.		L.	
		p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.
		s		s		s		s		s		s	
-27°.....	Chronograph...	0.024	69	0.031	40	0.019	300	0.032	12	0.030	64	0.025	51
-10°.....	Chronograph...	0.020	272	0.021	84	0.019	300	0.026	65	0.022	225	0.022	300
+10°.....	Chronograph...	0.019	299	0.025	109	0.021	300	0.019	49	0.021	243	0.021	300
+27°.....	Chronograph...	0.017	291	0.021	102	0.020	300	0.020	66	0.022	196	0.019	214
+48°.....	Chronograph...	0.018	136	0.018	53	.....	...	0.019	22	0.015	64	0.018	42
+72°.....	Chronograph...	0.016	65	0.019	41	.....	...	0.017	12	0.017	39	0.013	41
+87°.....	Eye and Ear....	0.012	41	0.011	12	.....	...	.....	..	0.015	25	0.017	59
+87° S. P.	Eye and Ear....	0.014	44	0.023	15	.....	...	.....	..	0.018	22	0.019	48
+75° S. P.	Chronograph....	0.020	59	0.028	31	.....	...	.....	..	0.026	37	0.020	41
-20° to +38°.	Chronograph....	0.019	...	0.023	...	0.020	...	0.022	..	0.022	...	0.021	..

Approximate Mean Decl.		M.		P.		R.		T.		Y.	
		p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.
		s		s		s		s		s	
-27°.....	Chronograph...	0.024	165	0.027	150	0.022	19	.....	..	0.032	13
-10°.....	Chronograph...	0.020	297	0.026	298	0.020	68	0.042	7	0.022	31
+10°.....	Chronograph...	0.021	300	0.023	299	0.017	85	0.020	7	0.016	40
+27°.....	Chronograph...	0.018	300	0.022	300	0.015	65	0.045	7	0.016	47
+48°.....	Chronograph...	0.021	162	0.021	166	0.014	23	.....	..	0.022	24
+72°.....	Chronograph...	0.016	130	0.017	114	0.016	13	.....	..	.....	..
+87°.....	Eye and Ear....	0.013	82	0.015	75	.....	..	.....	..	.....	..
+87° S. P.	Eye and Ear....	0.015	80	0.015	82	.....	..	.....	..	.....	..
+75° S. P.	Chronograph....	0.021	127	0.022	119	0.016	10	.....	..	.....	..
-20° to +38°.	Chronograph....	0.020	...	0.024	...	0.018	..	0.036	..	0.018	..

UPPER CULMINATION MINUS LOWER CULMINATION.

The table following gives for each circumpolar star the difference between the right ascension derived from the observations made above the pole and that from the observations made below the pole.

Star.	R. A.	Decl.	No. Obs.		$\Delta\alpha$ (U. C. - L. C.)	Wt.
			U. C.	L. C.		
	h	°			s	
λ Ursæ Minoris.....	19.2	+89 0	42	41	-0.48	21
4 B. Ursæ Minoris.....	8.1	+88 55	44	39	+0.30	21
Gr. 3402.....	19.9	+88 51	10	10	+0.01	5
α Ursæ Minoris.....	1.4	+88 49	80	71	-0.11	38
1 B. Ursæ Minoris.....	1.0	+88 32	11	11	-0.51	6
6 B. Ursæ Minoris.....	12.2	+88 13	86	61	-0.10	36
Gr. 2006.....	13.1	+88 9	0	9	-1.18	5
57 B. Ursæ Minoris.....	15.1	+87 35	64	52	-0.07	29
51 H. Cephei.....	7.0	+87 12	79	96	-0.04	43
24 Ursæ Minoris.....	18.1	+87 0	10	10	-0.20	5
5 B. Ursæ Minoris.....	12.2	+86 57	10	11	-0.32	5
39 H. Cephei.....	23.5	+86 48	40	56	+0.08	23
Gr. 1004.....	6.2	+86 45	13	10	-0.41	6
B. A. C. 7504.....	21.3	+86 39	14	10	-0.30	6
δ Ursæ Minoris.....	18.0	+86 37	109	95	+0.06	51
149 H ¹ . Cephei.....	3.6	+86 21	10	10	-0.36	5
128 H ¹ . Camelopardalis.....	12.0	+86 6	10	10	-0.58	5
157 H ¹ . Cephei.....	5.0	+85 50	9	10	+0.17	5
43 H. Cephei.....	0.9	+85 46	50	45	-0.06	24
32 H. Cephei.....	22.3	+85 38	10	10	-0.09	5
Gr. 1418.....	8.5	+85 23	11	10	-0.10	5
151 H ¹ . Cephei.....	4.1	+85 19	39	79	0.00	26
l Ursæ Minoris.....	13.3	+85 14	10	10	+0.16	5
158 H ¹ . Cephei.....	5.5	+85 9	21	17	+0.03	9
29 H. Camelopardalis.....	10.3	+84 44	10	11	-0.34	5
32 ² H. Camelopardalis.....	12.8	+83 55	9	9	+0.14	4
36 H. Cephei.....	22.9	+83 51	12	15	-0.11	7
30 H. Camelopardalis.....	10.3	+83 2	28	23	+0.20	13
25 H. Camelopardalis.....	7.2	+82 36	12	10	+0.06	5
ϵ Ursæ Minoris.....	16.9	+82 11	28	36	+0.01	16
76 Draconis.....	20.8	+82 11	49	60	-0.02	27
319 B. Cephei.....	0.5	+81 59	14	10	-0.16	6
1 H. Draconis.....	9.4	+81 44	60	55	-0.04	29
142 H ¹ . Cephei.....	2.6	+81 3	10	10	-0.10	5
220 H ¹ . Draconis.....	20.9	+80 12	10	10	+0.01	5
40 Draconis.....	18.1	+79 59	9	8	-0.04	4
41 Draconis.....	18.1	+79 59	2	6	-0.03	1
23 H. Camelopardalis.....	6.5	+79 40	10	16	0.00	0
225 B. Draconis.....	19.5	+79 25	10	10	-0.08	5
44 H. Cephei.....	1.1	+79 11	11	12	+0.14	6
19 H. Camelopardalis.....	5.1	+79 7	12	11	-0.12	6
47 H. Cephei.....	2.9	+79 3	9	10	-0.07	5
6 H ¹ . Draconis.....	10.9	+78 16	18	11	-0.06	7
4 H. Draconis.....	12.1	+78 8	9	10	-0.06	5

Star.	R. A.	Decl.	No. Obs.		$\Delta\alpha$ (U. C. - L. C.)	Wt.
			U. C.	L. C.		
	^h	[°]			^s	
ζ Ursæ Minoris.....	15.8	+78 5	27	17	-0.04	10
4 Ursæ Minoris.....	14.2	+77 59	10	10	+0.11	5
98 B. Cephei.....	21.1	+77 45	11	9	-0.14	5
θ Ursæ Minoris.....	15.6	+77 40	10	11	-0.11	5
70 B. Ursæ Minoris.....	16.6	+77 38	12	10	-0.13	5
156 H. Draconis.....	18.6	+77 28	13	11	+0.01	6
14 H ¹ . Draconis.....	12.0	+77 26	9	9	-0.05	4
κ Cephei.....	20.2	+77 26	16	23	-0.10	9
48 H. Cephei.....	3.1	+77 24	10	10	-0.04	5
γ Cephei.....	23.6	+77 7	18	18	-0.08	9
24 H. Camelopardalis.....	6.8	+77 6	9	12	0.00	5
35 Draconis.....	17.9	+76 59	10	11	+0.08	5
318 B. Cephei.....	0.2	+76 26	10	9	+0.06	5
9 H. Draconis.....	10.5	+76 12	11	10	+0.04	5
5 Ursæ Minoris.....	14.5	+76 7	12	10	+0.04	5
19 Ursæ Minoris.....	16.2	+76 7	10	10	-0.01	5
173 B. Camelopardalis.....	8.1	+76 3	9	10	0.00	5
η Ursæ Minoris.....	16.3	+75 58	10	11	+0.02	5
35 B. Camelopardalis.....	4.6	+75 46	10	14	0.00	6
226 B. Cephei.....	22.5	+75 45	9	10	-0.05	5
50 Draconis.....	18.8	+75 19	9	10	-0.12	5
74 B. Camelopardalis.....	5.4	+74 59	10	22	-0.03	7
π Cephei.....	23.1	+74 53	9	11	-0.01	5
73 Draconis.....	20.5	+74 38	11	10	-0.07	5
β Ursæ Minoris.....	14.8	+74 32	22	19	-0.05	10
21 Cassiopeiæ.....	0.7	+74 29	10	10	-0.17	5
166 B. Camelopardalis.....	7.8	+74 10	10	10	-0.01	5
181 B. Camelopardalis.....	8.5	+73 57	10	10	-0.12	5
57 H ¹ . Camelopardalis.....	4.9	+73 56	10	12	-0.04	5
Gr. 4163.....	23.8	+73 54	10	10	+0.01	5
109 B. Ursæ Majoris.....	9.8	+73 19	11	11	+0.14	6
158 B. Cephei.....	21.9	+73 16	11	10	-0.11	5
τ Draconis.....	19.3	+73 11	15	9	-0.07	6
31 Cephei.....	22.6	+73 10	10	11	-0.11	5
9 B. Ursæ Minoris.....	13.4	+72 52	10	10	-0.04	5
16 Cephei.....	22.0	+72 44	14	10	-0.03	6
χ Draconis.....	18.4	+72 42	13	7	+0.06	5
40 Cassiopeiæ.....	1.5	+72 34	10	10	-0.15	5
36 H. Cassiopeiæ.....	2.5	+72 25	10	9	-0.05	5
212 H ¹ . Draconis.....	20.5	+72 13	10	10	-0.04	5
ψ^1 Draconis.....	17.7	+72 12	10	11	-0.01	5
γ^2 Ursæ Minoris.....	15.3	+72 10	22	20	-0.08	10
50 Cassiopeiæ.....	1.9	+71 58	17	19	-0.04	9
24 Cephei.....	22.1	+71 53	10	12	-0.05	5
13 B. Ursæ Minoris.....	13.6	+71 43	10	10	-0.03	5
φ Draconis.....	18.4	+71 17	10	10	-0.08	5
ν Draconis.....	18.9	+71 10	10	10	-0.05	5

Star.	R. A.	Decl.	No. Obs.		$\Delta\alpha$ (U. C. - L. C.)	Wt.
			U. C.	L. C.		
	^h	[°]			^s	
5 H. Camelopardalis.....	3.7	+71 3	10	10	-0.01	5
11 Cephei.....	21.7	+70 53	10	8	-0.04	4
κ Draconis.....	12.5	+70 18	14	17	-0.04	8
d Ursæ Majoris.....	9.4	+70 14	10	10	-0.04	5
β Cephei.....	21.5	+70 9	20	16	-0.05	9
ϵ Draconis.....	19.8	+70 2	14	20	-0.04	8
λ Draconis.....	11.4	+69 51	11	12	-0.01	6
38 Cassiopeie.....	1.4	+69 47	10	10	-0.03	5
89 B. Ursæ Majoris.....	9.6	+69 40	10	10	-0.02	5
35 H. Ursæ Majoris.....	10.6	+69 34	11	10	-0.08	5
22 H. Camelopardalis.....	6.1	+69 21	8	11	+0.06	5
43 Camelopardalis.....	6.7	+69 0	10	10	-0.01	5
A Draconis.....	16.5	+68 58	10	11	-0.04	5
ω Draconis.....	17.6	+68 48	10	11	0.00	5
3 H. Ursæ Majoris.....	8.1	+68 45	12	13	-0.01	6
143 B. Camelopardalis.....	7.4	+68 40	10	9	+0.05	5
f Draconis.....	17.5	+68 12	10	12	+0.02	5
87 B. Draconis.....	16.1	+68 3	14	10	-0.05	6
ρ Ursæ Majoris.....	8.9	+68 0	10	10	-0.05	5
1 H. Ursæ Minoris.....	15.2	+67 42	11	11	+0.02	6
ψ Cassiopeie.....	1.3	+67 39	11	10	-0.06	5
σ Cephei.....	23.2	+67 36	15	11	-0.10	6
ω Cassiopeie.....	1.6	+67 34	10	10	-0.08	5
σ^2 Ursæ Majoris.....	9.0	+67 31	9	9	0.00	4
δ Draconis.....	19.2	+67 30	11	18	-0.05	7
118 H ¹ . Cassiopeie.....	2.6	+67 26	10	10	+0.02	5
41 H. Cephei.....	23.7	+67 17	10	10	+0.02	5
3 Draconis.....	11.6	+67 16	13	10	-0.06	6
ϵ Cassiopeie.....	2.3	+66 59	13	10	-0.03	6
13 H ¹ . Camelopardalis.....	3.6	+66 54	10	10	-0.02	5
99 B. Camelopardalis.....	5.9	+66 53	10	10	+0.02	5
2 H. Ursæ Minoris.....	14.9	+66 18	10	10	-0.02	5
9 Camelopardalis.....	4.7	+66 11	12	11	-0.08	6
55 Cassiopeie.....	2.1	+66 5	11	10	-0.08	5
30 H. Ursæ Majoris.....	10.3	+66 2	10	11	-0.08	5
8 Draconis.....	12.9	+65 57	10	10	+0.03	5
ζ Draconis.....	17.1	+65 50	21	24	-0.01	11
55 Draconis.....	19.2	+65 49	11	10	-0.04	5
36 Camelopardalis.....	6.1	+65 44	10	10	-0.02	5
ι Cephei.....	22.8	+65 43	10	11	-0.02	5
32 Ursæ Majoris.....	10.2	+65 34	10	11	+0.07	5
153 H ¹ . Draconis.....	18.6	+65 24	10	10	-0.03	5
1 H ¹ . Camelopardalis.....	3.2	+65 19	11	10	-0.03	5
i Draconis.....	13.8	+65 11	10	10	-0.02	5
249 B. Ursæ Majoris.....	11.3	+64 50	9	10	-0.04	5
α Draconis.....	14.0	+64 49	21	18	+0.02	10
ϵ Cassiopeie.....	1.8	+63 13	16	5	-0.11	4

If weighted means are taken according to the groups of the last table, the results below are obtained, in which the column $\Delta\alpha$ contains the corrections to the adopted azimuths indicated by the final right ascensions of the stars of the several groups. If, however, attention is confined to the 15 stars used in determining the azimuths, the mean correction is 0^s.000.

Decl.	$\Delta\alpha$	$\Delta\alpha$	Decl.	$\Delta\alpha$	$\Delta\alpha$
° ' "	s	s	° ' "	s	s
+88 53	-0.09	-0.001	+75 51	-0.004	-0.001
+88 0	-0.19	-0.004	+73 32	-0.047	-0.009
+87 3	-0.03	-0.001	+71 23	-0.046	-0.010
+86 32	-0.07	-0.003	+69 5	-0.016	-0.004
+85 28	-0.02	-0.001	+67 12	-0.033	-0.008
+82 46	+0.01	+0.001	+65 25	-0.021	-0.006
+80 38	-0.04	-0.005			
+77 41	-0.059	-0.008			
			Mean.....		+0.004

DAY OBSERVATIONS MINUS NIGHT OBSERVATIONS.

In July, 1909, there were selected two groups of six clock stars each, the mean right ascensions of the two groups being approximately 6^h and 18^h, respectively. Both of these groups were observed whenever possible from that date to April, 1911. Observations were made of one group only, however, for the three or four months when observation of the other group was prevented by its proximity to the Sun. The mean clock correction for each group was formed for each set of observations, using the right ascensions of NEWCOMB's Fundamental Catalogue. When less than six stars were observed in a set, the mean was corrected to reduce to the mean of the entire six stars of that group. Whenever the same observer observed both groups at successive transits, i. e., at an interval of 12 hours, the clock correction from one of the groups was reduced by the adopted clock rate to the time of the other group, and the difference between the results from the two groups was formed. In general one of these groups was observed in daylight and the other at night.

Let N_1 = a night clock correction from the 6-hour group.
 D_1 = a day clock correction from the 6-hour group.
 N_{11} = a night clock correction from the 18-hour group.
 D_{11} = a day clock correction from the 18-hour group.
 x_L, x_M, x_P = the corrections, respectively, to reduce a day clock correction to a night clock correction, for the observers L, M, and P.
 y = the correction to reduce a clock correction from the 18-hour group to one from the 6-hour group, due to error of assumed positions of clock stars.

Then

$$\begin{aligned} N_1 &= D_{11} + x + y & \text{or} & & x + y &= N_1 - D_{11} \\ N_{11} + y &= D_1 + x & & & x - y &= N_{11} - D_1 \end{aligned}$$

By means of these equations and the clock corrections determined as above, were obtained

$$\begin{aligned} y &= +0.035 \pm 0.003 \\ x_L &= -0.022 \pm 0.009 \\ x_M &= -0.040 \pm 0.005 \\ x_P &= -0.024 \pm 0.005 \end{aligned}$$

i. e., a clock correction determined by day is too large for each of the three observers, as compared with one determined by night, and a clock correction determined from the stars of the 18-hour group is too small by $0^s.035$ as compared with one determined from the stars of the 6-hour group.

Or, in other words, these results mean that NEWCOMB's right ascensions at 18 hours are systematically $0^s.035^1$ too small as compared with those at 6 hours, and that right ascensions of stars observed in daylight when reduced with the mean clock correction of the entire day's work, resulting in the main from observations at night, are too small compared with the right ascensions observed at night.

To exhibit this latter fact in a somewhat different form, the final right ascensions of the individual observations of these 12 clock stars, pages A LXXXV to A LXXXVI, were considered. The observations of each star made during a continuous period of from eight to nine months were divided into five groups, those observed in the morning after sunrise, those observed during morning twilight, those observed at night, those observed during the evening twilight, and those observed before sunset. Some of these groups were further subdivided so as to make the number of observations in each subgroup approximately the same. In each series for each star the mean of all the night observations was made and subtracted from the group means of that series. The residuals are exhibited in the following table:

1909-10	γ Orionis.		δ Orionis.		ζ Orionis.		κ Orionis.		α Orionis.		8 Mono.		Mean.	
	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.
Group I.	s		s		s		s		s		s		s	
	.....	..	.....	..	.....	..	+0.009	1	+0.031	1	+0.006	1	+0.015	3
Group II.	+0.066,	1	-0.002	5	+0.014	2	+0.024	4	-0.013	5	+0.013	3	+0.008	20
Group III.	+0.013	9	-0.007	9	-0.007	10	-0.011	11	-0.012	12	+0.003	10	-0.004	61
	+0.010	12	+0.013	12	+0.007	10	-0.014	11	+0.005	11	+0.005	10	+0.004	66
	-0.018	9	+0.010	9	+0.016	8	+0.012	9	-0.003	9	-0.012	11	0.000	55
	-0.006	12	-0.009	13	-0.009	15	0.000	14	+0.006	13	-0.014	6	-0.005	73
	+0.011	8	-0.016	8	-0.016	7	+0.001	8	+0.003	8	+0.011	8	-0.001	47
Group IV.	+0.006	8	-0.007	7	+0.005	8	+0.002	7	-0.020	9	+0.023	7	+0.001	46
	-0.005	7	+0.003	7	+0.004	6	+0.004	8	+0.006	4	-0.021	3	0.000	33
	+0.021	6	-0.004	6	-0.015	7	-0.007	7	-0.022	9	0.000	9	-0.006	44
Group V.	-0.026	9	-0.030	10	-0.035	8	-0.042	8	-0.050	7	-0.016	4	-0.034	46
	-0.028	8	-0.060	8	-0.093	7	-0.069	11	-0.087	6	-0.111	3	-0.069	38

¹ From the table on page A LV it is seen that if all the clock stars from 6^h to 9^h right ascension (35) be included in one group, and those from 18^h to 21^h right ascension (36) in another group, NEWCOMB's right ascensions of the second group are systematically $0^s.029$ too small as compared with the right ascensions of the first group.

1910-11	γ Orionis.		δ Orionis.		ζ Orionis.		κ Orionis.		α Orionis.		8 Mono.		Mean.	
	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.
Group I.....	s		s		s		s		s		s		s	
	-0.017	1	-0.025	2	+0.017	2	-0.002	2	-0.024	2	-0.005	3	-0.008	12
	-0.053	7	-0.059	7	-0.066	7	-0.048	9	-0.041	10	-0.023	10	-0.046	50
Group II.....	+0.008	11	-0.004	11	-0.015	11	0.000	9	-0.009	10	-0.003	8	-0.004	60
Group III.....	+0.010	10	+0.006	12	+0.010	14	-0.001	14	+0.001	11	-0.002	7	+0.004	68
	-0.007	12	+0.007	12	+0.002	11	+0.004	11	-0.001	11	-0.020	4	0.000	61
	-0.007	11	+0.004	11	-0.005	12	-0.006	11	+0.009	12	+0.006	10	0.000	67
	-0.014	7	-0.010	8	-0.003	8	+0.007	9	-0.037	8	-0.018	5	-0.012	45
	+0.004	11	-0.007	12	+0.001	11	+0.004	9	+0.013	11	+0.010	9	+0.004	63
	+0.015	8	-0.008	7	-0.010	9	-0.004	9	+0.002	9	+0.004	9	-0.001	49
Group IV.....	+0.005	10	-0.018	10	-0.003	6	-0.013	9	+0.008	9	+0.003	8	-0.003	52
Group V.....	-0.013	7	-0.043	8	-0.026	9	-0.052	8	-0.039	8	-0.024	5	-0.034	45
	-0.052	2	-0.105	1	-0.073	1	-0.092	1	.....	..	.....	..	-0.075	5

1910	σ Ophiuchi.		β Ophiuchi.		ν Ophiuchi.		η Serpentis.		3 H. Scuti.		θ Serpentis.		Mean.	
	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.	$\Delta\alpha$	No. Obs.
Group I.....	s		s		s		s		s		s		s	
	.....	..	+0.023	1	-0.021	3	-0.021	5	-0.022	6	+0.029	8	-0.002	23
	+0.014	6	-0.004	6	-0.050	8	+0.016	7	-0.017	5	-0.005	8	-0.009	38
Group II.....	+0.016	6	+0.028	6	-0.038	5	-0.008	8	-0.005	8	-0.009	8	-0.002	41
	-0.003	8	+0.007	9	-0.008	10	+0.001	8	+0.003	10	+0.003	9	0.000	54
Group III.....	-0.002	12	+0.001	14	-0.004	10	+0.001	10	-0.007	9	-0.008	6	-0.002	61
	+0.003	9	+0.015	8	-0.006	8	+0.002	12	-0.002	10	-0.008	9	+0.001	56
	+0.003	11	+0.001	11	+0.011	12	+0.011	9	-0.004	10	+0.007	14	+0.005	67
	-0.002	11	-0.016	10	-0.004	12	-0.007	16	+0.008	13	+0.002	12	-0.003	74
Group IV.....	-0.002	12	-0.011	12	-0.005	13	-0.029	10	-0.010	7	+0.007	9	-0.008	63
	+0.001	8	-0.004	9	-0.010	9	-0.021	10	-0.015	9	-0.004	8	-0.009	54
Group V.....	0.000	9	-0.001	9	-0.027	8	-0.035	8	-0.008	8	-0.022	9	-0.015	50
	-0.035	14	-0.046	15	-0.062	14	-0.046	6	-0.069	4	+0.005	1	-0.048	54

The two subgroups of Group I are strictly comparable in the three series. The same is true also of the two subgroups of Group V. Combining the results from the three series as to Groups I and V we have:

	Time of Observation.	$\Delta\alpha$	No. Obs.
Group I.....	More than 45 min. after sunrise.....	s -0.003	38
	Less than 45 min. after sunrise.....	-0.023	108
Group V.....	Less than 45 min. before sunset.....	-0.027	141
	More than 45 min. before sunset.....	-0.058	97

Although the first subgroup contains observations made as much as 2^h 15^m after sunrise, the mean time of the group is only about 1^h 15^m after sunrise, and

similarly, although the last subgroup contains observations made as much as 2^h 15^m before sunset, the mean time of the group is only about 1^h 15^m before sunset.

The above figures indicate that the same mean right ascension of a star results from all night observations independent of the time of transit, that a slightly smaller value, smaller by less than 0^s.01, however, results from twilight observations, and that a decidedly smaller value, varying somewhat with the time of transit results from daylight observations.

A comparison of the bracketed and unbracketed observations, see page A CLXVIII, given in the *Individual Results* was made as follows: Omitting the 12 stars just considered and those within 5° of the pole, for each star having at least 5 bracketed observations, a mean of these was taken and from that mean was subtracted the mean of the unbracketed or night observations. In this investigation were included 547 bracketed observations, practically all of them taken a short time before or after sunrise or sunset.

The final mean for all the stars was

$$\Delta\alpha = +0^s.004$$

that is, the right ascensions determined from transits taken near the time of sunrise or sunset are 0^s.004 larger than those determined from transits taken at night, while the results from the 12 stars discussed above indicate the right ascensions determined from transits taken near the time of sunrise or sunset are smaller than those determined from transits taken at night.

COMPARISON WITH OTHER CATALOGUES.

The right ascensions of the stars published on pages A 381 to A 452 have been compared with the positions as given by NEWCOMB,¹ AUWERS,² BOSS,³ HEDRICK⁴ (not also in NEWCOMB), and Pulkowa 1905,⁵ reduced to the epoch of the Washington observations, with the following results, the subscripts indicating the number of stars in the various groups.

¹ *Astronomical Papers of the American Ephemeris*, Vol. VIII, Pt. II.

² Veröffentlichung Nr. 33 des Königlichen Astronomischen Rechen-Instituts.

³ *Preliminary General Catalogue of 6,188 Stars*, Carnegie Institution of Washington.

⁴ *Astronomical Papers of the American Ephemeris*, Vol. VIII, Pt. III.

⁵ *Publications de l'Observatoire Central Nicolas, Série II*, Vol. XXII.

Systematic Differences in Right Ascension, $\Delta\alpha_s$.

Declination.	W.-N.	W.-A.	W.-B.	W.-H.	W.-P.
° °	s	s	s	s	s
+65 to +70 S. P.	-0.049 ₃₄	-0.009 ₂₈	-0.018 ₃₇	.....	-0.012 ₂₂
+70 to +75 S. P.	-0.033 ₃₁	+0.007 ₂₇	-0.014 ₃₁	.....	+0.011 ₂₂
+75 to +80 S. P.	-0.053 ₂₈	-0.004 ₂₄	-0.035 ₂₉	.....	+0.027 ₂₁
+80 to +85 S. P.	-0.140 ₈	-0.040 ₄	-0.106 ₁₁	.....	+0.019 ₄
+85 to +90 S. P.	+0.261 ₁₄	+0.144 ₆	+0.132 ₂₃	.....	+0.274 ₆
+90 to +85	+0.161 ₁₄	+0.040 ₆	-0.047 ₂₃	.....	+0.171 ₆
+85 to +80	-0.136 ₈	-0.005 ₄	-0.137 ₁₁	.....	+0.056 ₄
+80 to +75	-0.077 ₂₈	-0.027 ₂₄	-0.064 ₂₉	.....	-0.006 ₂₁
+75 to +70	-0.079 ₃₁	-0.039 ₂₇	-0.059 ₃₁	.....	-0.023 ₂₂
+70 to +65	-0.070 ₃₄	-0.030 ₂₈	-0.041 ₃₇	.....	-0.036 ₂₂
+65 to +60	-0.081 ₃₀	-0.055 ₂₇	-0.064 ₃₂	.....	-0.051 ₂₈
+60 to +55	-0.102 ₄₂	-0.056 ₃₆	-0.061 ₄₈	.....	-0.037 ₃₂
+55 to +50	-0.095 ₂₇	-0.049 ₂₁	-0.049 ₂₉	.....	-0.041 ₂₁
+50 to +45	-0.087 ₄₁	-0.047 ₂₉	-0.044 ₄₆	.....	-0.043 ₂₇
+45 to +40	-0.065 ₅₄	-0.057 ₃₂	-0.037 ₅₄	.....	-0.037 ₂₇
+40 to +35	-0.052 ₅₆	-0.038 ₃₂	-0.033 ₅₅	.....	-0.032 ₃₄
+35 to +30	-0.046 ₄₆	-0.042 ₂₅	-0.037 ₄₆	.....	-0.033 ₂₄
+30 to +25	-0.050 ₅₈	-0.035 ₃₂	-0.032 ₆₂	-0.066 ₅₇	-0.032 ₃₅
+25 to +20	-0.038 ₅₂	-0.035 ₃₁	-0.029 ₅₅	-0.063 ₁₄₁	-0.033 ₃₁
+20 to +15	-0.042 ₅₅	-0.033 ₂₉	-0.030 ₆₁	-0.048 ₁₅₉	-0.031 ₃₁
+15 to +10	-0.035 ₅₆	-0.025 ₃₀	-0.025 ₅₈	-0.056 ₈₀	-0.030 ₃₂
+10 to + 5	-0.030 ₆₆	-0.021 ₃₄	-0.022 ₆₇	-0.060 ₇₂	-0.024 ₃₈
+ 5 to 0	-0.024 ₅₁	-0.023 ₂₃	-0.017 ₅₅	-0.051 ₅₁	-0.022 ₂₇
0 to - 5	-0.031 ₅₁	-0.022 ₂₇	-0.017 ₅₂	-0.048 ₇₈	-0.022 ₃₀
- 5 to -10	-0.026 ₅₁	-0.015 ₂₈	-0.013 ₅₄	-0.040 ₆₆	-0.023 ₃₂
-10 to -15	-0.013 ₄₃	-0.007 ₂₃	-0.009 ₄₅	-0.032 ₉₃	.....
-15 to -20	-0.005 ₄₉	-0.008 ₂₇	-0.010 ₅₁	-0.031 ₁₃₈	.....
-20 to -25	+0.013 ₃₉	+0.002 ₂₄	-0.006 ₆₈	-0.044 ₁₅₁	.....
-25 to -30	+0.029 ₃₂	+0.025 ₂₁	-0.007 ₅₄	-0.066 ₈₃	.....
-30 to -35	+0.036 ₂₂	+0.021 ₁₈	-0.010 ₄₈	.....	.....
+30 to -20	-0.029	-0.022	-0.020	-0.050	-0.025 ¹

The quantities on the last line of the preceding table may be considered as the correction to the equinox of the various catalogues at 1907 as given by the Washington observations. If a correction for equinox of $-0^s.025$ be applied to the positions of the Pulkowa catalogue,² the last column of the table shows that the right ascensions of the Washington and Pulkowa catalogues agree at about $+10^\circ$ and $+70^\circ$ declination and that their maximum difference apart between these two points would always be less than $0''.2$. The large difference between the correction to HEDRICK's catalogue and the corrections to the other catalogues which are fairly accordant among themselves is due to star magnitude.

The positions in BOSS's catalogue have been corrected by him for magnitude equation and are referred to magnitude 3.5 as standard. No such corrections have been applied by the authors in the formation of NEWCOMB's, AUWER's, or HED-

¹ This mean includes the corrections between the declinations $+20^\circ$ and -10° .

² No correction for equinox was determined in the formation of this catalogue.

RICK's catalogue. The positions in the Pulkowa catalogue depend upon observations made with a self-registering hand-driven micrometer, and those in the Washington catalogue are reduced to magnitude 8.0, the mean observed magnitude of the clock star system, first by the use of the wire-gauze screens and afterwards by applying the observed magnitude equations of the observers for the difference between the screened magnitude and 8.0.

To obtain the relative magnitude equations for the various catalogues of comparison respectively referred to the Washington catalogue, the mean difference for each 5° group was subtracted from the individual star differences in that group and the residuals arranged according to magnitude. This was done for the 10 groups $+30^\circ$ to -20° (Pulkowa, six groups $+20^\circ$ to -10°), and all the residuals for each catalogue of comparison were then grouped according to magnitude with the following results, the subscripts indicating the number of stars in the group.

Systematic Differences in Right Ascension, $\Delta\alpha_m$.

Mean Magni- tude.	W.-N.		W.-A.		W.-B.		W.-H.		W.-P.	
	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C	Obs'd.	O-C
	S	S	S	S	S	S	S	S	S	S
0.9 ¹	+0.026 ₉	+0.003	+0.019 ₉	-0.003	-0.005 ₉	-0.002	.....	.....	+0.009 ₇	0.000
1.8	+0.016 ₆	-0.001	+0.015 ₆	0.000	-0.001 ₆	+0.001	.....	.....	+0.004 ₃	-0.002
2.3	+0.019 ₁₁	+0.005	+0.015 ₁₀	+0.004	+0.004 ₁₁	+0.006	.....	.....	+0.010 ₆	+0.005
2.8	+0.015 ₂₇	+0.004	+0.010 ₂₅	+0.002	+0.003 ₂₇	+0.004	.....	.....	+0.002 ₁₃	-0.001
3.3	+0.008 ₃₃	0.000	+0.003 ₃₁	-0.001	-0.001 ₃₃	0.000	.....	.....	+0.003 ₁₆	+0.001
3.8	+0.001 ₈₃	-0.003	0.000 ₈₁	-0.001	-0.002 ₈₃	-0.002	+0.018 ₂	+0.003	-0.001 ₅₁	-0.001
4.3	+0.004 ₉₁	+0.003	-0.003 ₈₁	0.000	+0.001 ₉₂	+0.001	+0.017 ₁₁	+0.005	+0.002 ₄₂	+0.003
4.8	-0.006 ₁₁₂	-0.004	-0.006 ₃₇	+0.001	-0.002 ₁₁₄	-0.002	-0.001 ₃₄	-0.010	-0.008 ₂₈	-0.005
5.3	-0.005 ₈₇	0.000	-0.012 ₂₃	-0.002	+0.001 ₉₁	0.000	+0.004 ₈₉	-0.002	-0.005 ₁₃	-0.001
5.8	-0.004 ₈₂	+0.004	-0.012 ₇	+0.002	-0.002 ₈₂	-0.003	-0.003 ₁₂₇	-0.006	-0.003 ₉	+0.003
6.3 ²	-0.010 ₂₁	+0.002	-0.014 ₅	+0.003	+0.009 ₃₂	+0.008	+0.010 ₂₇₇	+0.010	+0.002 ₂	+0.010
6.8	.....	.....	.....	.....	.....	.....	-0.006 ₂₇₃	-0.003	.....	.....
7.3	.....	.....	.....	.....	.....	.....	-0.008 ₁₂₄	-0.002	.....	.....
7.8	.....	.....	.....	.....	.....	.....	-0.009 ₂₈	-0.001	.....	.....
8.4	.....	.....	.....	.....	.....	.....	-0.060 ₂	-0.048	.....	.....

¹ 0.8 for AUWERS and Pulkowa.

² 6.4 for NEWCOMB and 6.5 for BOSS.

Determining the magnitude equation for each catalogue by a least square solution, each star residual being given equal weight, the following results were obtained:

$$W.-N. = -(0.0064 \pm 0.0006)(m-4.5)$$

$$W.-A. = -(0.0072 \pm 0.0003)(m-4.0)$$

$$W.-B. = +(0.0007 \pm 0.0006)(m-4.5)$$

$$W.-H. = -(0.0059 \pm 0.0021)(m-6.5)$$

$$W.-P. = -(0.0030 \pm 0.0005)(m-4.0)$$

These results show that as far as the Washington observations furnish evidence, the magnitude equation has been almost, if not entirely, eliminated from Boss's Preliminary General Catalogue, and that by the use of the self-registering micrometer, the magnitude equation of the Pulkowa catalogue has been reduced to 40 or 50 per cent of that in the uncorrected standard catalogues.

To obtain the variation with right ascension of the right ascension correction of the various catalogues of comparison referred to the Washington catalogue, the residuals used in determining the magnitude equations¹ were rearranged according to right ascension and means were taken by three hour groups, with the following results:

Systematic Differences in Right Ascension, W.-N., $\Delta\alpha$.

Right Ascension.	Mean Mag. of Catalogue.	$\Delta\alpha$	Reduction to Mag. 4.5.	$\Delta\alpha$ (Mag. 4.5).	Comp.	O-C
h h		s	s	s	s	■
0-3	4.71	+0.008 ₆₉	+0.001	+0.009	+0.006	+0.003
3-6	3.95	-0.003 ₇₅	-0.004	-0.007	-0.007	0.000
6-9	4.42	-0.013 ₆₆	-0.001	-0.014	-0.010	-0.004
9-12	4.61	+0.002 ₆₂	+0.001	+0.003	-0.004	+0.007
12-15	4.68	-0.008 ₈₀	+0.001	-0.007	0.000	-0.007
15-18	4.20	+0.004 ₅₉	-0.002	+0.002	-0.002	+0.004
18-21	4.53	+0.004 ₇₁	0.000	+0.004	+0.003	+0.001
21-24	4.48	+0.007 ₇₀	0.000	+0.007	+0.010	-0.003

$$W.-N. = -0^s.005 \sin \alpha + 0^s.005 \cos \alpha + 0^s.000 \sin 2\alpha + 0^s.005 \cos 2\alpha.$$

Systematic Differences in Right Ascension, W.-A., $\Delta\alpha$.

Right Ascension.	Mean Mag. of Catalogue.	$\Delta\alpha$.	Reduction to Mag. 4.0	$\Delta\alpha$ (Mag. 4.0)	Comp.	O-C
h h		s	s	s	s	s
0-3	4.12	+0.013 ₃₄	+0.001	+0.014	+0.010	+0.004
3-6	3.46	+0.002 ₄₆	-0.004	-0.002	-0.002	0.000
6-9	3.91	-0.013 ₃₆	-0.001	-0.014	-0.010	-0.004
9-12	4.03	-0.004 ₂₉	0.000	-0.004	-0.009	+0.005
12-15	4.05	-0.009 ₂₈	0.000	-0.009	-0.006	-0.003
15-18	3.76	-0.003 ₃₉	-0.002	-0.005	-0.004	-0.001
18-21	3.96	+0.006 ₃₃	0.000	+0.006	+0.002	+0.004
21-24	4.08	+0.006 ₃₉	+0.001	+0.007	+0.012	-0.005

$$W.-A. = -0^s.003 \sin \alpha + 0^s.010 \cos \alpha + 0^s.001 \sin 2\alpha + 0^s.004 \cos 2\alpha.$$

¹ In forming W.-H., $\Delta\alpha$, the residuals employed were the original differences used in forming the table $\Delta\alpha$ s minus the mean of all the differences.

Systematic Differences in Right Ascension, W.-B., $\Delta\alpha$.

Right Ascension.	Mean Mag. of Catalogue.	$\Delta\alpha$	Reduction to Mag. 4.5	$\Delta\alpha$ (Mag. 4.5)	Comp.	O-C
h h		s	s	s	s	s
0-3	4.76	+0.010 ₇₂	0.000	+0.010	+0.008	+0.002
3-6	4.04	-0.004 ₇₉	0.000	-0.004	-0.004	0.000
6-9	4.49	-0.011 ₆₉	0.000	-0.011	-0.009	-0.002
9-12	4.67	-0.003 ₆₄	0.000	-0.003	-0.006	+0.003
12-15	4.79	-0.008 ₆₅	0.000	-0.008	-0.005	-0.003
15-18	4.24	-0.002 ₆₀	0.000	-0.002	-0.003	+0.001
18-21	4.59	+0.008 ₇₆	0.000	+0.008	+0.007	+0.001
21-24	4.57	+0.012 ₇₅	0.000	+0.012	+0.014	-0.002

$$W.-B. = -0^{\circ}.005 \sin \alpha + 0^{\circ}.009 \cos \alpha - 0^{\circ}.002 \sin 2\alpha + 0^{\circ}.004 \cos 2\alpha.$$

Systematic Differences in Right Ascension, W.-P., $\Delta\alpha$.

Right Ascension.	Mean Mag. of Catalogue.	$\Delta\alpha$	Reduction to Mag. 4.0	$\Delta\alpha$ (Mag. 4.0)	Comp.	O-C
h h		s	s	s	s	s
0-3	4.29	-0.006 ₁₇	+0.001	-0.005	-0.004	-0.001
3-6	3.59	+0.001 ₃₄	-0.001	0.000	-0.001	+0.001
6-9	4.11	+0.002 ₂₅	0.000	+0.002	+0.003	-0.001
9-12	4.28	-0.006 ₂₂	+0.001	-0.005	-0.005	0.000
12-15	4.06	-0.010 ₂₀	0.000	-0.010	-0.010	0.000
15-18	3.75	0.000 ₂₂	-0.001	-0.001	-0.001	0.000
18-21	3.93	+0.009 ₂₆	0.000	+0.009	+0.009	0.000
21-24	4.13	+0.004 ₂₄	0.000	+0.004	+0.004	0.000

$$W.-P. = -0^{\circ}.002 \sin \alpha + 0^{\circ}.004 \cos \alpha - 0^{\circ}.005 \sin 2\alpha - 0^{\circ}.005 \cos 2\alpha.$$

Systematic Differences in Right Ascension, W.-H., $\Delta\alpha$.

Right Ascension.	Mean Mag. of Catalogue.	$\Delta\alpha$	Reduction to Mag. 6.5.	$\Delta\alpha$ (Mag. 6.5)	Comp.	O-C
h h		s	s	s	s	s
0-3	6.64	+0.010 ₁₃₃	+0.001	+0.011	+0.009	+0.002
3-6	6.01	-0.012 ₁₇₅	-0.003	-0.015	-0.011	-0.004
6-9	6.28	-0.009 ₁₄₅	-0.001	-0.010	-0.015	+0.005
9-12	6.46	-0.013 ₁₁₈	0.000	-0.013	-0.009	-0.004
12-15	6.59	-0.007 ₁₂₉	+0.001	-0.006	-0.008	+0.002
15-18	6.37	-0.002 ₁₇₃	-0.001	-0.003	-0.003	0.000
18-21	6.29	+0.015 ₁₇₂	-0.001	+0.014	+0.014	0.000
21-24	6.44	+0.023 ₁₅₄	0.000	+0.023	+0.024	-0.001

$$W.-H. = -0^{\circ}.010 \sin \alpha + 0^{\circ}.013 \cos \alpha - 0^{\circ}.005 \sin 2\alpha + 0^{\circ}.005 \cos 2\alpha.$$

The three sets of systematic differences above, $\Delta\alpha_\alpha$, $\Delta\alpha_\delta$, and $\Delta\alpha_m$ for each of the catalogues of NEWCOMB, AUWERS, BOSS, and PULKOWA are practically independent each of the other two because of the approximately uniform distribution of the stars in the heavens, therefore to reduce the right ascension of any star in one of these catalogues to the system of the present volume it is necessary to apply the sum of these three quantities corresponding to the right ascension, declination, and magnitude of the star. As the stars in HEDRICK'S catalogue are distributed uniformly along the ecliptic, $\Delta\alpha_\alpha$ and $\Delta\alpha_\delta$ are not independent and therefore instead of $\Delta\alpha_\delta$ the mean $\Delta\alpha_\delta$, $-0^s.05$, should be used in connection with $\Delta\alpha_\alpha$ and $\Delta\alpha_m$.

DECLINATIONS.

The value of one revolution of the zenith distance micrometer screw used in the reduction of all the zenith distance observations, $22''.852$, was derived in 1903 from measures over the nadir of lengths of arcs of Circle B. The circle was set at six consecutive $2'$ readings, the coincidence of the zenith distance threads B with their images occurring at intervals of about five revolutions of the zenith distance micrometer screw from 30 to 60 revolutions. When the value of the revolution was provisionally adopted in 1903, the division errors of Circle B had not yet been determined and the $10'$ spaces used were assumed as exactly $10'$ on the average. When the corrections for division error were determined and applied, the provisional value was increased $0''.006$. From 1903 to 1911, 12 determinations of the value of a revolution of the screw were made as follows, corrections for division errors having been applied:

Date.	One Revolution.	Date.	One Revolution.
	"		"
1903.....	22.858	1908.....	22.874
1903.....	22.859	1908.....	22.870
1904.....	22.870	1909.....	22.873
1904.....	22.857	1911.....	22.869
1904.....	22.862	1911.....	22.868
1904.....	22.865		
1906.....	22.869	Mean.....	22.8662

In 1911 the micrometer screw was examined on a measuring engine for progressive and periodic errors, with the following results:

Progressive Errors of the Zenith Distance Micrometer Screw.

Rev.	ΔR	Rev.	ΔR	Rev.	ΔR	Rev.	ΔR	Rev.	ΔR
	"		"		"		"		"
30-31	-0.022	36-37	-0.042	42-43	-0.038	48-49	+0.018	54-55	+0.052
31-32	-0.040	37-38	-0.042	43-44	-0.028	49-50	+0.024	55-56	+0.054
32-33	-0.030	38-39	-0.040	44-45	-0.028	50-51	+0.054	56-57	+0.056
33-34	-0.014	39-40	-0.040	45-46	-0.028	51-52	+0.050	57-58	+0.052
34-35	-0.030	40-41	-0.036	46-47	-0.012	52-53	+0.052	58-59	+0.044
35-36	-0.036	41-42	-0.032	47-48	-0.006	53-54	+0.046	59-60	+0.038

Periodic Errors of the Zenith Distance Micrometer Screw.

$$\Delta = -0''.007 \cos u + 0''.002 \sin u + 0''.000 \cos 2u + 0''.001 \sin 2u$$

where ΔR is the correction to the value of one revolution of the zenith distance micrometer screw, $22''.8682$ at $47^{\circ}8$, see below, to obtain that value of any other portion of the screw, Δ is the correction to the value of the micrometer reading as given in Table II, and u is the decimal of a revolution multiplied by 360° .

A redetermination of the periodic errors with the micrometer head shifted 180° with reference to the screw gave $0''.000$ as the coefficient of $\cos u$, the other coefficients remaining practically the same, indicating that half the periodic error is in the screw and half in the micrometer head.

If the progressive errors of the screw, just given, are introduced into the reduction of the observations made for the determination of the value of one revolution of the screw, the value given above, $22''.8662$, will become $22''.8682$ at $47^{\circ}8$. If it is desired to use this definitive value together with the progressive errors, the reduced zenith distances must be corrected in accordance with the following table:

Microm. Reading.	Δz	Microm. Reading.	Δz
Rev.	"	Rev.	"
40	+0.09	46	0.00
41	+0.06	47	0.00
42	+0.06	48	+0.02
43	+0.05	49	+0.03
44	+0.02	50	+0.10
45	+0.02	51	+0.17

The coincidence of the zenith distance threads B with their image over the nadir for the determination of the zenith point correction was kept near 46 revolutions, and only occasionally were the stars observed outside of the limits 42 to 49 revolutions, so that the correction from the above table would but rarely amount to $0''.05$. No such correction has been applied to the results obtained by the use of the provisionally adopted value of one revolution.

Table II gives the adopted values of the readings of the zenith distance micrometer.

Inclination and distance of the zenith distance threads.—The inclination of the Z. D. threads B was determined by frequently measuring the zenith distance of each of a group of stars at a certain distance east of the meridian and again at the same distance west of it, the difference in the two measures being due to the inclination of the threads. The distances of the Z. D. threads A and the Z. D. threads C from the Z. D. threads B were determined by bringing each set of threads into coincidence with the fixed doubles marking the middle of the field. These distances in micrometer revolutions were converted into arc by means of the adopted value of one revolution, $22''.852$.

Table III gives the inclination and distance of the zenith distance threads.

Taking into consideration the progressive errors of the zenith distance micrometer screw and using the definitive value of one revolution $22''.8682$ at $47^{\circ}8$, it was found necessary to increase the zenith distances of all objects observed with

threads C by $0''.2$. This correction has been applied in the collected results. The correction necessary in the case of threads A is less than $0''.1$ and has not been applied.

The error of runs was frequently determined and, by occasionally adjusting the microscopes, was kept small. As previously mentioned, the transit circle was set so that the readings on the four microscopes were practically the same for all settings; the correction for error of runs was consequently inappreciable and none was applied. This statement applies also to the progressive and periodic errors of the microscope micrometer screws, which nevertheless were determined from time to time.

Reduction to meridian.—In forming the table for the reduction to meridian, Tables XIII and XIV, pages E 16 and E 17, Volume IV, Appendix II, Publications of the United States Naval Observatory, Second Series, a constant $+5''.00$ was added to all the computed quantities that the quantities of the table might be all positive. This constant was eliminated from the zenith distances by adding in the table of zenith point corrections, Table XXII, $-5''.00$ to the corrections computed from the nadir observations.

Zenith point correction.—In determining the circle reading of the nadir pointing of the transit circle for use in determining the zenith point correction the four circle microscopes were set and read both before and after the determination of the reading of the zenith distance micrometer for coincidence of the zenith distance threads B with their image, and the mean of the eight readings was adopted in computing the circle reading. If the second set of microscope readings indicated a change in the position of the telescope from that given by the first set of readings, the nadir observation was repeated. In determining the reading of the zenith distance micrometer for coincidence of the zenith distance threads B with their image the distance between the images was bisected first with one of the pair of threads and then with the other.

As each observer, beginning his tour of duty, would refocus the eyepieces of the circle microscopes, thus producing a possible shift in the microscopes, no general discussion of the variations of the zenith point correction has been attempted.

If two successive zenith point corrections differed less than $0''.5$, a mean of the two values was used in the reduction of all the observations made between them; otherwise the zenith point correction was generally interpolated from one determination to the next.

Table XXII gives the zenith point corrections from nadir observations.

Refraction.—The corrections for refraction were computed by the aid of the tables published in Appendix II, Volume IV, Publications of the United States Naval Observatory, Second Series, pages E 30 to E 54. These tables are simply transformations of the *Tabulæ Refractionum in usum Speculæ Pulcovensis Congestæ*, Petropoli, 1870, no change being made in the fundamental constants.

Latitude.—The observed zenith distances were transformed into declinations by means of a provisionally adopted value of the latitude of the transit circle, $+38^{\circ} 55' 14''.1$.

REDUCTION TO MEAN PLACE.

The apparent declinations, see page B VII, Part II, of this volume, were reduced to mean place for those stars for which ephemeris places were not available by

using the independent star-numbers (Paris Conference) of the American Ephemeris and Nautical Almanac. The short-period terms were included, and for stars north of $86^{\circ}.0$ declination the second-order terms were added. The mean declinations for the beginning of the year thus formed were then collected upon cards.

CORRECTIONS TO THE EPHEMERIS PLACES.

No reduction to mean place was computed for those stars for which ephemeris places were available, but the corrections to the ephemeris declinations given by the observed declinations were entered directly upon cards of the same kind as referred to above.

CORRECTIONS FOR DIVISION ERROR.

From May 7 to August 15, 1906, the corrections for division error were determined for all the degree and half-degree diameters of Circle B. These were determined by the method of subdivision, using two pairs of microscopes, the two microscopes of each pair being placed at opposite ends of a diameter of the circle. The diameter 0° – 180° was adopted as the diameter of reference. With the microscopes so placed that the diameter joining one pair made an angle of 90° with the diameter joining the other pair, the difference from 90° of the angle between the diameters 0° – 180° and 90° – 270° was determined. Then with the microscope diameters at an angle of 60° the errors of the diameters 30° – 210° , 60° – 240° , 120° – 300° , and 150° – 330° were determined, thus obtaining the correction for each diameter whose angle with the diameter 0° – 180° is a multiple of 30° . The microscope diameters were then set successively at angles of 80° , 85° , 89° , and $89\frac{1}{2}^{\circ}$, and the corrections for the remaining 10° diameters, 5° diameters, 1° diameters, and $\frac{1}{2}^{\circ}$ diameters, respectively, were determined.

In this method of determining the corrections for division error the corrections in each group are affected not only by the errors of observation in that group, but by the errors of the determinations in the preceding groups. For that reason the earlier the group in the series the greater the number of measures that were made in order that the probable errors of the results in that group might be relatively small. In the final group only 2 determinations were made for each $\frac{1}{2}^{\circ}$ diameter, while 12 determinations were made for the diameters 60° – 240° , 90° – 270° , and 120° – 300° , and 20 for the diameters 30° – 210° and 150° – 330° .

The general method adopted in making the observations is illustrated by the details followed in observing for the determination of the corrections for the diameters of 80° – 260° and 160° – 340° .

With the microscope diameters set at an angle of 80° , divisions 0° , 80° , 160° ; 180° , 260° , 340° ; 340° , 260° , 180° ; and 160° , 80° , 0° were brought successively under microscope I and the four microscopes read in each case on the following divisions:

Microscopes.	Divisions upon which readings were made.											
	°	°	°	°	°	°	°	°	°	°	°	°
I.....	0	80	160	180	260	340	340	260	180	160	80	0
II.....	80	160	240	260	340	60	60	340	260	240	160	80
III.....	180	260	340	0	80	160	160	80	0	340	260	180
IV.....	260	340	60	80	160	240	240	160	80	60	340	260

Throughout the entire work four observers were employed, divided into two pairs, each pair making a complete determination of the corrections for all the diameters. Combining the results for diameters that are mutually perpendicular, we obtain the corrections applicable to the mean of the readings of the four circle microscopes. In the accompanying table are given the differences between the two independent determinations of the corrections for division error of the degree lines (mean of four microscopes).

Differences Between the Two Independent Determinations of the Corrections for Division Error of the Degree Lines of Circle B (mean of four microscopes).

[The differences in the top row are for 0°, 10°, 20°, etc.]

"	"	"	"	"	"	"	"	"
0.02	0.02	0.04	0.06	0.01	0.04	0.00	0.02	0.01
0.05	0.01	0.02	0.00	0.08	0.05	0.02	0.02	0.08
0.05	0.06	0.09	0.03	0.06	0.08	0.03	0.03	0.03
0.08	0.04	0.02	0.02	0.01	0.07	0.00	0.08	0.02
0.04	0.04	0.02	0.02	0.08	0.06	0.04	0.04	0.02
0.02	0.06	0.08	0.02	0.04	0.08	0.00	0.06	0.04
0.03	0.02	0.08	0.01	0.06	0.16	0.05	0.02	0.02
0.03	0.08	0.08	0.10	0.10	0.03	0.02	0.02	0.01
0.04	0.00	0.06	0.01	0.10	0.01	0.01	0.00	0.02
0.04	0.10	0.15	0.02	0.06	0.04	0.08	0.04	0.05
Mean.....								0.043

Mean difference between two determinations.....	0.043
Probable error of a difference.....	0.036
Probable error of one determination.....	0.026
Probable error of mean of two determinations.....	0.018
Probable error of final corrections for the degree lines.....	0.018

From April 29, 1907, to March 28, 1908, the corrections for all the 10' diameters were determined, the five diameters between any two consecutive degree diameters being referred to those two degree diameters, and the corrections for all the 2' diameters were determined similarly, the four diameters between any two consecutive 10' diameters being referred to those two 10' diameters. All the measures in this work were made with a single microscope, in which were inserted three pairs of threads. The two outside pairs were 10' apart, and the third pair was 2' from one of the outside pairs. The method of determining the corrections in these cases was very similar to that used the previous year, the difference being that the distance between the two pairs of threads in the microscope (10' or 2') replaced the angle between the two microscope diameters.

This work gave a determination of the corrections for the $\frac{1}{2}^\circ$ diameters, depending in each case directly upon the two adjacent degree diameters, while that of the previous year gave a determination depending in each case directly upon a pair of consecutive degree diameters 90° distant. In the accompanying table are given both determinations of all the $\frac{1}{2}^\circ$ diameters.

Corrections for Division Error of the Half Degree Diameters of Circle B; (I) with the Four Circle Microscopes, the Angle of the Microscope Diameters Being $89^{\circ}.5$; (II) with Two Pairs of Threads in One Microscope, Ten Minutes Apart.

Diameter	(I)	(II)	Diff.	Diameter	(I)	(II)	Diff.	Diameter	(I)	(II)	Diff.
°	"	"	"	°	"	"	"	°	"	"	"
0.5	+0.14	+0.20	-0.06	48.5	+0.86	+1.08	-0.22	96.5	-0.76	-0.66	-0.10
1.5	+0.48	+0.29	+0.19	49.5	+0.02	+0.10	-0.08	97.5	-0.34	-0.35	+0.01
2.5	-0.22	-0.40	+0.18	50.5	-0.29	-0.48	+0.19	98.5	-0.37	-0.30	-0.07
3.5	-0.68	-0.90	+0.22	51.5	-0.28	-0.32	+0.04	99.5	+0.78	+0.79	-0.01
4.5	-0.61	-0.63	+0.02	52.5	+0.40	+0.24	+0.16	100.5	+0.62	+0.72	-0.10
5.5	+0.38	+0.29	+0.09	53.5	+0.49	+0.70	-0.21	101.5	-0.04	+0.06	-0.10
6.5	+0.58	+0.40	+0.18	54.5	+0.04	+0.23	-0.19	102.5	+0.10	-0.02	+0.12
7.5	+0.83	+0.72	+0.11	55.5	-0.16	-0.10	-0.06	103.5	-0.22	-0.22	0.00
8.5	+0.12	+0.24	-0.12	56.5	+0.60	+0.46	+0.14	104.5	+0.45	+0.55	-0.10
9.5	-0.24	-0.24	0.00	57.5	+0.30	+0.46	-0.16	105.5	+1.22	+1.11	+0.11
10.5	+0.68	+0.56	+0.12	58.5	+0.29	+0.26	+0.03	106.5	+0.90	+0.96	-0.06
11.5	+0.54	+0.42	+0.12	59.5	+0.07	+0.10	-0.03	107.5	-0.02	+0.14	-0.16
12.5	+0.16	+0.20	-0.04	60.5	-0.41	-0.33	-0.08	108.5	-0.28	-0.07	-0.21
13.5	+0.10	+0.10	0.00	61.5	-0.66	-0.81	+0.15	109.5	-0.34	-0.45	+0.11
14.5	-0.07	-0.16	+0.09	62.5	-0.90	-0.86	-0.04	110.5	-0.82	-0.71	-0.11
15.5	-0.27	-0.42	+0.15	63.5	-0.30	-0.33	+0.03	111.5	-0.96	-0.80	-0.16
16.5	+0.14	-0.12	+0.26	64.5	-0.44	-0.22	-0.22	112.5	-1.05	-0.72	-0.33
17.5	+0.40	+0.30	+0.10	65.5	-0.40	-0.38	-0.02	113.5	-0.58	-0.54	-0.04
18.5	+0.98	+0.92	+0.06	66.5	-0.33	-0.27	-0.06	114.5	+0.24	+0.11	+0.13
19.5	-0.02	+0.14	-0.16	67.5	-0.30	-0.22	-0.08	115.5	-0.04	-0.02	-0.02
20.5	+0.32	+0.18	+0.14	68.5	-0.34	-0.42	+0.08	116.5	+0.33	+0.24	+0.09
21.5	-0.27	-0.26	-0.01	69.5	-0.55	-0.46	-0.09	117.5	+0.98	+0.83	+0.15
22.5	+0.33	+0.12	+0.21	70.5	-0.13	-0.15	+0.02	118.5	+1.09	+1.18	-0.09
23.5	+0.07	-0.15	+0.22	71.5	-0.09	+0.02	-0.11	119.5	+0.54	+0.54	0.00
24.5	-0.48	-0.56	+0.08	72.5	-0.22	-0.18	-0.04	120.5	+0.82	+0.76	+0.06
25.5	+0.23	+0.19	+0.04	73.5	-0.46	-0.32	-0.14	121.5	+0.59	+0.64	-0.05
26.5	+0.33	+0.32	+0.01	74.5	-0.06	-0.06	0.00	122.5	+0.58	+0.67	-0.09
27.5	+0.16	-0.13	+0.29	75.5	-0.12	-0.02	-0.10	123.5	+0.80	+0.64	+0.16
28.5	+0.04	-0.07	+0.11	76.5	-0.58	-0.62	+0.04	124.5	+0.66	+0.68	-0.02
29.5	+0.30	+0.40	-0.10	77.5	-0.33	-0.36	+0.03	125.5	+0.86	+0.88	-0.02
30.5	+0.32	+0.10	+0.22	78.5	+0.02	+0.10	-0.08	126.5	+1.52	+1.62	-0.10
31.5	-0.56	-0.70	+0.14	79.5	+0.01	+0.14	-0.13	127.5	+0.94	+0.94	0.00
32.5	+0.38	+0.26	+0.12	80.5	-0.14	+0.08	-0.22	128.5	+0.25	+0.20	+0.05
33.5	+0.75	+0.74	+0.01	81.5	+0.38	+0.45	-0.07	129.5	+0.03	-0.12	+0.15
34.5	+0.48	+0.53	-0.05	82.5	+1.10	+1.11	-0.01	130.5	+0.20	+0.06	+0.14
35.5	+0.60	+0.70	-0.10	83.5	0.00	-0.16	+0.16	131.5	+1.40	+1.26	+0.14
36.5	+0.60	+0.38	+0.22	84.5	-0.46	-0.30	-0.16	132.5	+0.55	+0.46	+0.09
37.5	+0.17	+0.07	+0.10	85.5	-0.45	-0.51	+0.06	133.5	+0.08	+0.03	+0.05
38.5	+0.20	+0.14	+0.06	86.5	+0.92	+0.83	+0.09	134.5	+0.05	+0.10	-0.05
39.5	+0.51	+0.46	+0.05	87.5	-0.49	-0.46	-0.03	135.5	+0.56	+0.26	+0.30
40.5	+0.42	+0.22	+0.20	88.5	-0.10	+0.03	-0.13	136.5	+0.70	+0.68	+0.02
41.5	+0.74	+0.64	+0.10	89.5	+0.72	+0.78	-0.06	137.5	+0.17	+0.08	+0.09
42.5	0.00	-0.08	+0.08	90.5	+1.02	+1.12	-0.10	138.5	-0.32	-0.34	+0.02
43.5	-0.32	-0.52	+0.20	91.5	+0.71	+0.56	+0.15	139.5	-0.46	-0.20	-0.26
44.5	-0.34	-0.42	+0.08	92.5	+0.64	+0.55	+0.09	140.5	+0.08	+0.05	+0.03
45.5	+0.83	+0.86	-0.03	93.5	-0.26	-0.31	+0.05	141.5	+0.21	+0.24	-0.03
46.5	-0.31	-0.25	-0.06	94.5	-0.52	-0.36	-0.16	142.5	+0.60	+0.31	+0.29
47.5	+0.51	+0.84	-0.33	95.5	-0.76	-0.55	-0.21	143.5	+1.00	+1.14	-0.14

Corrections for Division Error of the Half Degree Diameters of Circle B; (I) with the Four Circle Microscopes, the Angle of the Microscope Diameters Being $89^{\circ}.5$; (II) with Two Pairs of Threads in One Microscope, Ten Minutes Apart—Continued.

Diameter	(I)	(II)	Diff.	Diameter	(I)	(II)	Diff.	Diameter	(I)	(II)	Diff.
"	"	"	"	"	"	"	"	"	"	"	"
144.5	+0.62	+0.69	-0.07	156.5	-0.13	-0.18	+0.05	168.5	+0.39	+0.30	+0.09
145.5	+0.67	+0.64	+0.03	157.5	+0.37	+0.30	+0.07	169.5	+0.11	+0.34	-0.23
146.5	+0.74	+0.68	+0.06	158.5	+0.82	+0.64	+0.18	170.5	+0.44	+0.44	0.00
147.5	-0.32	-0.26	-0.06	159.5	+0.88	+0.91	-0.03	171.5	+0.48	+0.24	+0.24
148.5	-0.46	-0.60	+0.14	160.5	+0.28	+0.24	+0.04	172.5	+0.16	+0.15	+0.01
149.5	+0.42	+0.10	+0.32	161.5	-0.60	-0.70	+0.10	173.5	-0.24	-0.48	+0.24
150.5	+0.34	+0.40	-0.06	162.5	-0.44	-0.68	+0.24	174.5	-0.66	-0.77	+0.11
151.5	+0.77	+0.66	+0.11	163.5	-0.12	-0.28	+0.16	175.5	+0.86	+0.80	+0.06
152.5	+0.66	+0.70	-0.04	164.5	-0.12	-0.26	+0.14	176.5	+1.30	+1.15	+0.15
153.5	+1.07	+0.77	+0.30	165.5	+0.88	+0.68	+0.20	177.5	+1.10	+0.98	+0.12
154.5	+0.68	+0.44	+0.24	166.5	+1.04	+0.98	+0.06	178.5	+0.61	+0.69	-0.08
155.5	+0.18	-0.02	+0.20	167.5	+1.12	+0.92	+0.20	179.5	+0.18	+0.10	+0.08

The differences in the above table are slightly systematic and could be caused by a periodic error in the determination of the corrections to the degree diameters which, however, would be less than $0''.05$ and moreover would disappear in the mean of the four microscopes.

As the probable error of a determination of Series (I) indicated a smaller accidental error than that given by Series (II), the finally adopted corrections for the half-degree diameters were formed by taking one-third of the sum of $2(I) + (II)$. The correction for each of the remaining $10'$ diameters was then made to depend upon the finally adopted correction for the consecutive degree and half-degree diameters between which it lies.

By the method here adopted for the determination of the corrections for the division errors of a graduated circle, the probable error should be largest for the $4'$ and $6'$ divisions. This probable error (mean of four microscopes) has been found from comparing the two independent determinations of the corrections to be $0''.04$. The probable error of a single setting of one of the circle microscope micrometers, throughout this work, was $0''.1$.

The finally determined corrections for division error are given in Table XII and the method of obtaining from the circle setting the corrections to the observed declinations for the different positions of the circle in different years is given in Table XI.

FIGURE 10.—Diagram Showing Corrections for Division Error of Degree Lines of Circle B.

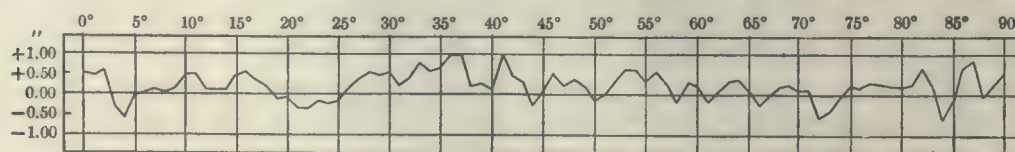
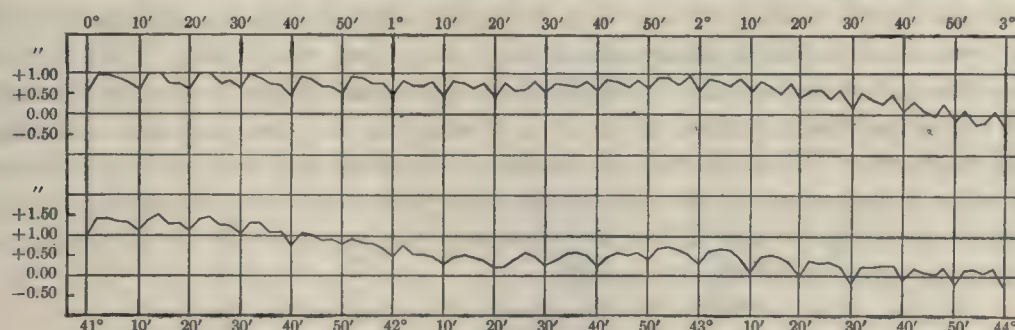


Figure 10 shows that the errors of division of the degree lines are largely, if not wholly, accidental; while Figure 11 shows that the errors of division of the $2'$ lines are largely systematic with a period of $10'$.

FIGURE 11.—Diagram Showing Corrections for Division Error of 2' Lines of Circle B.



Corrections for division error, September, 1903, to June, 1905.—As stated on page A XII, the graduations of Circle B were refilled in August, 1905, and as the corrections for division error, Table XII, were determined after that date it became necessary to decide how to treat the observations made before the refilling. Should the corrections determined after the refilling be used in the reduction of the observations made before that time or should no corrections for division error be applied?

(a) During June, 1905, while the circle was still in the condition in which it was used during the two years preceding, the correction for division error of the diameter 90° – 270° with reference to the diameter 0° – 180° was determined to be $-1''.52$. This was the only determination made before the refilling. The correction for the same diameter after refilling the graduations was determined to be $-1''.07$.

(b) The effect of applying the corrections for division error was investigated for the Sun observations 1903 to 1909. The observed corrections to the ephemeris declinations were obtained with and without the application of the division error corrections, and each series was divided into groups of two or three months' duration. The mean correction was formed for each group and the residuals from these means obtained. The following table exhibits the results:

Interval.	Clamp.	Mean Residual.		Mean Div. Corr.	$\sqrt{(\text{Col. 3})^2 - (\text{Col. 5})^2}$
		Without Div. Corr.	With Div. Corr.		
Sept., 1903, to Aug., 1904.....	W.	0.56	0.51	0.25	0.50
Aug., 1904, to June, 1905.....	E.	0.60	0.51	0.31	0.51
Graduations of Circle Refilled and Division Corrections Determined.					
Aug., 1905, to Oct., 1906.....	W.	0.57	0.51	0.32	0.47
Apr., 1907, to Apr., 1908.....	E.	0.53	0.54	0.21	0.49
Apr., 1908, to May, 1909.....	W.	0.56	0.52	0.33	0.45

Column 4 gives the actual mean residuals after applying to the observations the corrections under consideration; column 6 gives the theoretical mean residuals deduced from the quantities given in columns 3 and 5.

(c) The effect of applying the corrections for division error was determined for 400 zodiacal stars, each of which was observed twice in 1903-4, the same division having been used in both observations, and once two years later. All the observations were taken in the same position of the instrument and by the same observer, but the circle had been shifted about 5° between the first two and the last observations of each star. The differences between the first and second observations of each star are independent of division errors, and their mean can be used as a standard with which to compare the differences between the second and third observations. The following table exhibits the results:

Mean Difference, First minus Second.	Mean Difference, Second minus Third.		Mean Div. Corr.	$\sqrt{(\text{Col. 2})^2 - 2(\text{Col. 4})^2}$
	Without Div. Corr.	With Div. Corr.		
" 0.48	" 0.67	" 0.53	" 0.33	" 0.48

Column 3 gives the actual mean difference after applying to the observations the corrections under consideration; column 5 gives the theoretical mean residual deduced from the quantities given in columns 2 and 4.

As a result of these investigations it was decided that the shift of the divisions due to refilling, if it occurred at all, was small compared with the errors of graduation so that the corrections for division error given in Table XII have been applied throughout the entire work to all the observations.

FLEXURE.

The flexure of the instrument was determined by the use of horizontal and vertical collimators.

Horizontal collimators.—In the use of horizontal collimators the intersection of the cross threads of the north collimator micrometer was set on the image of the horizontal wire of the south collimator micrometer, and then the zenith distances of the horizontal wire in the south collimator and the cross in the north collimator were determined by means of the transit circle. One-half of the difference from 180° of the sum of these two zenith distances is the horizontal flexure. Usually a single wire was used as the line of reference in the south collimator, but in a few cases an imaginary line midway between two close horizontal threads was used. At the suggestion of Mr. A. Hall, one of the observers on the 9-inch transit circle, it was decided to procure a reversing prism as a part of the instrumental equipment, and before such a prism was secured by the Observatory one loaned by him was used in determining the various bisection corrections of the observers engaged on the flexure investigations. These corrections were determined during the years 1907-1910 and were applied to all the flexure observations January 25, 1904, to January 9, 1909. After the latter date the reversing prism was used in all the flexure observations. The separate determinations are contained in the following table, and they are applicable to observed zenith distance always measured from 0° to 90° north or south. The finely graduated circle was shifted from time to time and each of the following groups contains the observations for a given position of the circle.

Determinations of the Horizontal Flexure with the Horizontal Collimators.

Date.	Clamp.	Observer.	Assistant.	Temperature.	Horizontal Flexure.		
					Observed.	Corrected.	Mean.
1904				°	"	"	"
Jan. 25. 2	W.	Ei.	Y.	34.2 F.	-1.09	-0.96	....
Apr. 11. 1		Ei.	Y.	55.8	-1.13	-1.00	....
Aug. 15. 1	W.	Ei.	Y.	81	-1.20	-1.07	-1.01
Oct. 4. 1	E.	Ei.	Y.	64.8	-1.30	-1.17	....
Nov. 23. 1		M.	Y.	53.5	-1.20	-1.25	....
1905							
Jan. 11. 1		M.	Y.	28.9	-1.35	-1.40	....
Mar. 22. 1		M.	Y.	47.0	-1.27	-1.32	....
June 1. 1		M.	Y.	65.5	-0.85	-0.90	....
23. 2	E.	M.	Y.	82.0	-1.13	-1.18	-1.20
Aug. 4. 1	W.	M.	Hl.	84.5	-0.97	-1.19	....
1906							
Jan. 13. 1		Y.	Bs.	39.3	-1.19	-1.13	....
Apr. 12. 1		Y.	Bs.	64.2	-0.88	-0.82	....
Oct. 26. 4		Hl.	P.	52.2	-0.58	-0.85	....
27. 1		P.	Hl.	68.6	-1.10	-1.33	....
29. 1	W.	Hl.	P.	49.5	-0.86	-1.13	-1.08
1907							
Apr. 23. 0	E.	P.	M.	56.0	-0.83	-1.09	....
25. 1		Hl.	P.	74.1	-0.74	-1.01	....
27. 1		M.	Hl.	60.0	-0.40	-0.45	....
27. 1		M.	Hl.	61.0	-0.63	-0.68	....
July 8. 9		Hl.	M.	83.9	-0.17	-0.44	....
9. 9		M.	Hl.	83.5	-0.50	-0.55	....
18. 1		M.	Hl.	89.1	-0.50	-0.72	....
19. 1		Hl.	M.	85.4	-0.44	-0.71	....
Oct. 23. 1		M.	P.	65.0	-0.24	-0.46	....
Nov. 7. 1		P.	Hl.	49.6	-0.48	-0.71	....
7. 2		Hl.	P.	48.5	-0.43	-0.70	....
1908							
Mar. 16. 9		P.	M.	44.0	-0.88	-1.14	....
23. 1	E.	M.	Hl.	52.0	-0.69	-0.91	-0.74
May 7. 9	W.	M.	P.	58.0	-0.39	-0.61	....
7. 9		P.	Fk.	59.1	-0.71	-1.04	....
9. 1		Fk.	M.	59.5	-1.24	-1.34	....
14. 9		Fk.	M.	57.1	-1.22	-1.32	....
15. 1		M.	Fk.	57.1	-0.77	-0.99	....
June 19. 9		M.	Fk.	77.0	-0.83	-0.99	....
19. 9		Fk.	M.	77.0	-0.70	-0.86	....
July 7. 9		P.	Fk.	....	-0.90	-1.23	....
Dec. 16. 1		M.	L.	54.6	-0.87	-1.09	....
19. 1	W.	P.	M.	40.6	-0.84	-1.17	....

Determinations of the Horizontal Flexure with the Horizontal Collimators—Continued.

Date.	Clamp.	Observer.	Assistant.	Temperature.	Horizontal Flexure.		
					Observed.	Corrected.	Mean.
1909				"	"	"	"
Jan. 8.1	W.	P.	M.	24.0 F.	-0.23	-0.46	....
8.1		L.	P.	25.0	-0.88	-1.17	....
8.9		P.	M.	30.5	-0.51	-0.84	....
8.9		M.	P.	28.0	-0.56	-0.78	....
9.1		L.	P.	34.0	-0.66	-0.94	....
Apr. 8.1		L.	P.	....	-0.86	-0.86	....
13.2		P.	L.	64.0	-1.22	-1.22	....
21.1	W.	M.	P.	50.0	-0.94	-0.94	-0.99
1910							
Feb. 10.1	E.	M.	P.	36.0	-0.87	....	....
10.1		P.	M.	36.0	-1.03	....	....
12.1		L.	P.	36.5	-0.79	....	....
14.9		M.	P.	38.0	-1.02	....	....
14.9		P.	M.	39.0	-1.09	....	....
15.1	E.	L.	P.	43.0	-0.55	....	-0.89
Apr. 11.9	W.	M.	P.	47.0	-0.46	....	....
11.9		P.	M.	51.0	-0.30	....	....
12.3		L.	P.	47.0	-0.57	....	....
13.3		L.	M.	58.0	-0.76	....	....
13.3		M.	L.	57.5	-1.02	....	....
13.9		P.	M.	....	-1.25	....	....
13.9		P.	M.	....	-1.24	....	....
15.3		L.	M.	51.0	-1.32	....	....
15.3	W.	M.	L.	50.0	-0.70	....	-0.85
19.9	W.	M.	P.	51.1	+0.06	....	....
20.2		L.	P.	....	+0.28	....	....
20.3		M.	L.	50.5	+0.29	....	....
20.3		L.	M.	51.0	+0.80	....	....
20.9		P.	M.	54.5	+0.58	....	....
21.3		P.	M.	....	+0.53	....	....
21.3		M.	P.	55.5	+0.38	....	....
24.2		P.	L.	58.0	+0.28	....	....
24.2	W.	L.	P.	58.0	-0.09	....	+0.35

Between the observations in 1906 and 1907, in order to correct a slight error in the counterbalancing of the two ends of the telescope, 14 ounces were taken off the telescope near the eye end. An experiment with a weight of 42 ounces indicated that the application of such a weight near the eye end would change the horizontal flexure $-0''.18$. One-third of this with the sign changed, $+0''.06$, would be the indicated change in the horizontal flexure due to taking off the 14 ounces in 1907.

Vertical collimator.—The vertical collimator was mounted horizontally, east and west, upon a pillar on the east pier of the transit circle. By means of a mirror attached to the cell of its object glass and set at an angle of 45° with the horizon the

movable vertical double threads of the collimator can be made to coincide with their image reflected from the mercury nadir basin through the hole in the center of the cube of the transit circle. Using the threads thus set it is possible to determine the setting of the transit circle when the line of sight is vertical with the object glass toward the zenith, and by the ordinary nadir observation, the setting when the line of sight is vertical with the object glass toward the nadir. The difference from 180° of the excess of one setting over the other is twice the vertical flexure. The angle from the zenith to the nadir through the north point of the horizon is too large clamp east and too small clamp west. As in the case of the determination of the horizontal flexure with horizontal collimators, either a reversing prism was used in determining the vertical flexure or the bisection corrections of the observers in making the various settings were determined by the use of the reversing prism. All the settings were similar to those used in an ordinary determination of a nadir and no appreciable bisection error was found for any of the observers. The quantities as given in the following table are applicable with their signs to the circle reading of the nadir. The sign must be changed before applying to the circle readings of star observations.

Determinations of the Vertical Flexure with the Vertical Collimator.

Date.	Clamp.	Observer.	Assistant.	Temperature.	Vertical Flexure.	
					Observed.	Mean.
1906				°	"	"
Apr. 19. 1	W.	Bs.	Y.	81.0 F.	+1.07	....
20. 1		Br.	Bs.	81.6	+1.00	....
21. 1		Y.	Bs.	81.5	+1.08	....
June 6. 9		Y.	Hl.	79.5	+0.92	....
7. 9		Br.	Ei.	70.5	+1.36	....
12. 9		Bs.	Y.	60.5	+1.04	....
Aug. 12. 9		Bs.	Y.	69.1	+1.36	....
14. 1		Br.	Hl.	82.0	+0.90	....
14. 4		Y.	Hl.	74.8	+1.00	....
Oct. 24. 9	W.	Hl.	P.	68.0	+1.02	+1.08
1907						
Apr. 11. 4	E.	Hl.	P.	40.0	+0.70	....
11. 9		P.	M.	46.0	+0.78	....
12. 3		M.	Hl.	40.0	+1.04	....
13. 1		Hl.	P.	48.0	+0.93	....
18. 9		P.	M.	41.0	+0.74	....
19. 1		Hl.	P.	42.0	+0.74	....
22. 9		M.	Hl.	55.0	+1.02	....
July 9. 3		M.	Hl.	75.8	+0.99	....
10. 9		Hl.	M.	85.0	+1.10	....
Nov. 1. 1		M.	P.	54.9	+0.49	....
4. 1		Hl.	M.	53.5	+0.48	....
1908						
Mar. 18. 1		M.	P.	49.1	+1.12	....
24. 1		Hl.	M.	53.5	+0.74	....
30. 1	E.	P.	M.	50.0	+1.00	+0.85

Determinations of the Vertical Flexure with the Vertical Collimator—Continued.

Date.	Clamp.	Observer.	Assistant.	Temperature.	Vertical Flexure.	
					Observed.	Mean.
1908				°	"	"
May 3.9	W.	M.	P.	49.5 F.	+1.24	....
4.1		Fk.	M.	52.5	+1.28	....
5.0		P.	Fk.	53.0	+1.16	....
July 1.1		M.	P.	86.0	+1.18	....
15.1		Fk.	M.	85.5	+1.00	....
20.1		P.	Fk.	89.0	+1.02	....
1909						
Jan. 13.1		P.	M.	30.0	+1.10	....
13.1		M.	P.	29.0	+0.83	....
13.9		L.	M.	32.8	+1.03	....
Apr. 9.1		P.	M.	49.7	+1.14	....
20.9		M.	P.	49.0	+1.35	....
24.1	W.	M.	P.	55.0	+1.26	+1.13
1910						
Nov. 3.3	E.	L.	M.	43.0	+0.74	....
4.1		M.	P.	38.0	+1.02	....
15.1		L.	M.	43.0	+0.84	....
15.2		M.	L.	43.0	+0.86	....
23.1		P.	M.	45.0	+0.94	....
26.1		P.	M.	46.0	+1.42	....
29.1		P.	M.	42.0	+1.08	....
30.1		P.	M.	36.5	+1.00	....
1911						
Feb. 27.9	E.	L.	M.	35.0	+1.00	....
27.9		M.	L.	35.0	+1.26	....
28.9		P.	L.	37.0	+1.52	....
Mar. 6.1		L.	M.	42.0	+1.17	....
6.1		M.	L.	45.0	+0.76	....
13.1		P.	M.	45.0	+1.37	+1.07
Apr. 14.9	W.	M.	P.	52.1	+0.92	....
15.0		P.	M.	54.0	+0.50	....
16.9		P.	M.	50.0	+0.67	....
17.3		L.	M.	49.7	+1.03	....
17.9		M.	P.	48.5	+0.93	....
18.1		P.	M.	....	+0.92	....
18.1		M.	P.	57.0	+1.01	....
18.2		L.	P.	60.0	+1.30	....
18.9	W.	L.	P.	57.5	+1.05	+0.93
19.1	W.	L.	M.	57.0	-0.88	....
19.3		M.	L.	57.0	-0.76	....
19.3		L.	M.	56.5	-0.75	....
20.0		P.	M.	52.5	-1.10	....
20.1		M.	P.	....	-0.96	....
20.9		P.	M.	55.0	-1.22	....
21.9		M.	P.	46.5	-1.00	....
21.9		P.	M.	47.0	-1.13	....
24.2	W.	L.	P.	57.0	-0.85	-0.96

Circle and tube flexures.—Assume the graduated circle to be perfectly uniform and symmetrical with a small weight added at circle reading A such that when the diameter through A is horizontal, the extra weight produces a rotation of the circle amounting to c'' .

Let R = circle reading of object glass

x_s = horizontal tube flexure, so that $x_s \sin z$ is additive to observed zenith distance (0° to 90°)

x_v = vertical tube flexure, having the sign to make it applicable to circle reading of the nadir.

Then the horizontal flexure determined with the horizontal collimators will be

$$x_s + c \cos (A - R)$$

and similarly the vertical flexure determined with the vertical collimator and readings on the nadir will be

$$x_v - c \sin (A - R).$$

The circle readings of the object glass, R , during this work are given in the following table:

Interval.	Clamp.	R
		° ' "
Sept., 1903, to Aug., 1904....	W.	270 4
Aug., 1904, to June, 1905....	E.	269 56
Aug., 1905, to Oct., 1906....	W.	264 52
Apr., 1907, to Apr., 1908....	E.	259 40
Apr., 1908, to May, 1909....	W.	256 28
May 1909, to Apr., 1911.....	E.	261 34
Apr., 11, 1911, to Apr. 19, 1911	W.	261 16
Apr. 19, 1911, to Apr. 25, 1911	W.	81 16

From the eight values of the horizontal flexure given in the last column of the table on pages A CI and A CII, and the six values of the vertical flexure given in the last column of the table on pages A CIII and A CIV, are derived the following 14 equations for the determination of x_s , x_v , c , and A . The first three values of the horizontal flexure have been reduced to what they would have been had the 14 ounces been taken off the eye end of the telescope in 1903 instead of in 1907.

	Wt.	(o.-c.)
$x_s + c \cos (A - 270 \ 4) = -0.95$	3	+0.11
$x_s + c \cos (A - 269 \ 56) = -1.14$	6	-0.08
$x_s + c \cos (A - 264 \ 52) = -1.02$	6	-0.04
$x_s + c \cos (A - 259 \ 40) = -0.74$	13	+0.16
$x_s + c \cos (A - 256 \ 28) = -0.99$	18	-0.15
$x_s + c \cos (A - 261 \ 34) = -0.89$	6	+0.04
$x_s + c \cos (A - 261 \ 16) = -0.85$	9	+0.07
$x_s + c \cos (A - 81 \ 16) = +0.35$	9	0.00
$x_v - c \sin (A - 264 \ 52) = +1.08$	10	+0.12
$x_v - c \sin (A - 259 \ 40) = +0.85$	14	-0.17
$x_v - c \sin (A - 256 \ 28) = +1.13$	12	+0.08
$x_v - c \sin (A - 261 \ 34) = +1.07$	14	+0.07
$x_v - c \sin (A - 261 \ 16) = +0.93$	9	-0.07
$x_v - c \sin (A - 81 \ 16) = -0.96$	9	-0.03

A least square solution of the above equations gives

$$x_s = -0''.289$$

$$x_v = +0''.037$$

$$c = +1''.156$$

$$A = 137^\circ \ 55'$$

These quantities give as the total flexure correction to observed declinations, from observations made above the pole, including the term for the correction of the nadir readings,

$$\Delta\delta = +[0.289 - 1.156 \cos (137^\circ 55' - R)] \sin z. d. s.^2 \pm [0.037 - 1.156 \sin (137^\circ 55' - R)](1 + \cos z. d. s.)$$

the upper sign for clamp east and the lower sign for clamp west.

The following table was computed from the above expression with the values of R given on page A cv.

Flexure Corrections to Observed Declinations.

Declination.	Clamp West, 1903-4	Clamp East, 1904-5	Clamp West, 1905-6	Clamp East, 1907-8	Clamp West, 1908-9	Clamp East, 1909-11
°	"	"	"	"	"	"
+60 S. P.	+2.13	+0.07	+2.14	-0.29	+2.04	-0.24
+70 S. P.	+2.24	-0.13	+2.26	-0.50	+2.18	-0.44
+80 S. P.	+2.30	-0.35	+2.34	-0.72	+2.29	-0.67
+90 S. P.	+2.32	-0.59	+2.37	-0.96	+2.36	-0.90
+90.....	-2.32	+0.59	-2.37	+0.96	-2.36	+0.90
+80.....	-2.30	+0.84	-2.37	+1.20	-2.39	+1.14
+70.....	-2.23	+1.09	-2.32	+1.43	-2.38	+1.38
+60.....	-2.12	+1.34	-2.23	+1.65	-2.33	+1.60
+50.....	-1.98	+1.57	-2.10	+1.85	-2.24	+1.80
+40.....	-1.80	+1.78	-1.94	+2.02	-2.12	+1.98
+30.....	-1.60	+1.96	-1.75	+2.17	-1.96	+2.13
+20.....	-1.37	+2.11	-1.53	+2.28	-1.77	+2.25
+10.....	-1.13	+2.23	-1.30	+2.35	-1.56	+2.33
0.....	-0.88	+2.30	-1.05	+2.38	-1.34	+2.36
-10.....	-0.63	+2.33	-0.81	+2.37	-1.11	+2.36
-20.....	-0.39	+2.32	-0.57	+2.32	-0.87	+2.31
-30.....	-0.16	+2.27	-0.34	+2.23	-0.64	+2.23
-40.....	+0.04	+2.17	-0.12	+2.10	-0.43	+2.11

Observations direct and reflected.—Seven series of star observations were taken, direct and reflected, including from two to five nights' work each, about half the stars in each series being north of the zenith. North and south stars were not observed on the same night except in the last series. Each star was observed direct and reflected at the same transit. The fourth, fifth, and seventh series were taken under slightly different conditions from those prevailing during regular observing, a reversing prism eyepiece being employed in the fourth and fifth series with a view to eliminating the effect of the bisection error of the observer, and in the seventh series the star images were bisected with a single thread with the hope of decreasing the size of the bisection error. The mean residual using the single thread is 60 per cent larger than when using double threads.

¹ 0".06 sin $z. d. s.$ must be added for the years 1903-1906 as explained above.

These observations were taken primarily to find out whether or not the differences ($z_n - z_o$) vary as the sine of the zenith distance rather than to determine definitively the value of the coefficient of $\sin z$. Two sets of values ($z_n - z_o$) were computed and compared with the observed values. In each set the formula

$$\frac{1}{2}(z_n - z_o) = x \pm y + w \sin z$$

was used, where the quantity y was introduced to allow for the zenith distance bisection equation and other discontinuities at the zenith that may arise from any cause whatsoever, the upper sign being used for the stars north of the zenith and the lower sign for the stars south of the zenith. In the first case, C_1 of the tables following, the values of x , y , and w were determined for each series from the observed differences by a least square solution; in the second case, C_2 of the tables following, w was assumed equal to the value of the horizontal flexure derived from the collimator measures and x and y were determined from the observed differences. The results from Gr. 3970, on September 22, and φ Pegasi and ζ Aquarii, on October 31, were not used in the discussion. The expressions obtained from the seven series follow:

Interval.	Ob- server.	Assist- ant.	No. of Nights.	Clamp.	C_1	C_2	Vertical Flexure from Colli- mators.
1908					" " "	" " "	"
Apr. 6-17.....	Ei.	M.	5	E.	$-0.71 \pm 0.34 - 1.14 \sin z$	$-0.70 \pm 0.20 - 0.90 \sin z$	-1.02
May 1-2.....	Ei.	M.	2	W.	$-1.11 \pm 0.34 - 1.11 \sin z$	$-1.10 \pm 0.18 - 0.84 \sin z$	-1.05
Sept. 22-Nov. 16..	L.	M.	4	W.	$-1.01 \pm 0.83 - 1.11 \sin z$	$-1.00 \pm 0.67 - 0.84 \sin z$	-1.05
1909							
Apr. 3-9.....	M.	L.-P.	2	W.	$-1.60 \pm 0.40 - 1.11 \sin z$	$-1.60 \pm 0.24 - 0.84 \sin z$	-1.05
Apr. 12-15.....	L.	M.	2	W.	$-1.48 \pm 0.28 - 0.58 \sin z$	$-1.48 \pm 0.43 - 0.84 \sin z$	-1.05
Apr. 22-24.....	M.	L.	2	W.	$-1.07 \pm 0.71 - 1.37 \sin z$	$-1.06 \pm 0.40 - 0.84 \sin z$	-1.05
1910							
Feb. 10-12.....	L.	M.	2	E.	$-0.81 \pm 0.22 - 0.77 \sin z$	$-0.80 \pm 0.31 - 0.93 \sin z$	-1.00

The observed and computed values of $\frac{1}{2}(z_R - z_D)$ with their residuals in each of the seven series follow:

Observations Direct and Reflected—First Series.

Date.	Star.	Z. D. S.	$\frac{1}{2}(z_R - z_D)$				
			Observed.	C ₁	C ₂	O-C ₁	O-C ₂
1908		° ' "	"	"	"	"	"
Apr. 17	36 H. Cephei s. p. . .	302 48	+0.28	-0.09	-0.14	+0.37	+0.42
6	32 H. Cephei s. p. . .	304 35	+0.10	-0.12	-0.16	+0.22	+0.26
17	32 H. Cephei s. p. . .	304 35	-0.42	-0.12	-0.16	-0.30	-0.26
6	29 H. Camelopardalis	314 13	0.00	-0.23	-0.26	+0.23	+0.26
17	29 H. Camelopardalis	314 13	-0.34	-0.23	-0.26	-0.11	-0.08
17	1 H. Draconis.....	317 12	-0.50	-0.27	-0.29	-0.23	-0.21
6	B. D. +77°412....	321 21	-0.60	-0.34	-0.34	-0.26	-0.26
17	B. D. +77°412....	321 21	-0.22	-0.34	-0.34	+0.12	+0.12
6	9 H. Draconis.....	322 45	-0.14	-0.36	-0.36	+0.22	+0.22
17	9 H. Draconis.....	322 45	-0.64	-0.36	-0.36	-0.28	-0.28
6	B. D. +75°377....	323 26	-0.28	-0.37	-0.37	+0.09	+0.09
17	B. D. +75°377....	323 26	-0.52	-0.37	-0.37	-0.15	-0.15
6	109 B. Ursæ Majoris...	325 37	-0.46	-0.41	-0.39	-0.05	-0.07
17	109 B. Ursæ Majoris...	325 37	-0.23	-0.41	-0.39	+0.18	+0.16
6	89 B. Ursæ Majoris...	329 16	-0.56	-0.47	-0.44	-0.09	-0.12
17	89 B. Ursæ Majoris...	329 16	-0.60	-0.47	-0.44	-0.13	-0.16
6	35 H. Ursæ Majoris...	329 22	-0.44	-0.47	-0.44	+0.03	0.00
17	35 H. Ursæ Majoris...	329 22	-0.32	-0.47	-0.44	+0.15	+0.12
6	σ ² Ursæ Majoris.....	331 25	-0.50	-0.50	-0.47	0.00	-0.03
17	α ² Ursæ Majoris.....	331 25	-0.73	-0.50	-0.47	-0.23	-0.26
17	B. D. +60°1246...	338 29	-0.88	-0.63	-0.57	-0.25	-0.31
6	ν Ursæ Majoris.....	339 27	-0.52	-0.65	-0.58	+0.13	+0.06
17	ν Ursæ Majoris.....	339 27	-0.72	-0.65	-0.58	-0.07	-0.14
17	B. D. +54°1348...	344 35	-0.44	-0.74	-0.66	+0.30	+0.22
6	237 B. Ursæ Majoris...	348 57	-0.54	-0.83	-0.73	+0.29	+0.19
9	μ Leonis.....	12 29	-0.60	-0.62	-0.69	+0.02	+0.09
13	μ Leonis.....	12 29	-0.47	-0.62	-0.69	+0.15	+0.22
16	μ Leonis.....	12 29	-0.68	-0.62	-0.69	-0.06	+0.01
9	B. D. +22°2164...	16 31	-0.86	-0.69	-0.76	-0.17	-0.10
13	B. D. +22°2164...	16 31	-0.40	-0.69	-0.76	+0.29	+0.36
16	B. D. +22°2164...	16 31	-0.56	-0.69	-0.76	+0.13	+0.20
16	83 Cancri.....	20 49	-0.83	-0.78	-0.82	-0.05	-0.01
9	ψ Leonis.....	24 28	-1.43	-0.84	-0.87	-0.59	-0.56
13	ψ Leonis.....	24 28	-0.72	-0.84	-0.87	+0.12	+0.15
16	ψ Leonis.....	24 28	-0.48	-0.84	-0.87	+0.36	+0.39
9	ρ Leonis.....	29 8	-0.56	-0.93	-0.94	+0.37	+0.38
13	ρ Leonis.....	29 8	-1.23	-0.93	-0.94	-0.30	-0.29
16	ρ Leonis.....	29 8	-1.10	-0.93	-0.94	-0.17	-0.16
16	37 Sextantis.....	32 3	-0.97	-0.97	-0.98	0.00	+0.01
13	ω Hydræ.....	33 27	-0.80	-1.00	-1.00	+0.20	+0.20
13	p ⁴ Leonis.....	36 27	-1.30	-1.04	-1.04	-0.26	-0.26
16	p ⁴ Leonis.....	36 27	-1.51	-1.04	-1.04	-0.47	-0.47

Observations Direct and Reflected—First Series—Continued.

Date.	Star.	Z. D. S.	$\frac{1}{2}(z_R - z_D)$				
			Ob- served.	C ₁	C ₂	O-C ₁	O-C ₂
1908		° ' "	"	"	"	"	"
Apr. 16	33 Sextantis.....	40 10	-0.69	-1.11	-1.09	+0.42	+0.40
9	B. D. -1°2460....	40 33	-0.82	-1.11	-1.09	+0.29	+0.27
13	B. D. -1°2460....	40 33	-1.17	-1.11	-1.09	-0.06	-0.08
16	B. D. -1°2460....	40 33	-1.13	-1.11	-1.09	-0.02	-0.04
16	Δ Hydræ.....	44 25	-1.24	-1.17	-1.13	-0.07	-0.11
9	22 Sextantis.....	46 31	-1.09	-1.20	-1.15	+0.11	+0.06
13	22 Sextantis.....	46 31	-1.01	-1.20	-1.15	+0.19	+0.14
16	22 Sextantis.....	46 31	-1.36	-1.20	-1.15	-0.16	-0.21
16	α Hydræ.....	47 10	-1.34	-1.20	-1.16	-0.14	-0.18
9	λ Hydræ.....	50 48	-1.10	-1.25	-1.20	+0.15	+0.10
13	λ Hydræ.....	50 48	-1.04	-1.25	-1.20	+0.21	+0.16
16	λ Hydræ.....	50 48	-1.14	-1.25	-1.20	+0.11	+0.06
9	μ Hydræ.....	55 16	-1.36	-1.30	-1.24	-0.06	-0.12
13	μ Hydræ.....	55 16	-1.62	-1.30	-1.24	-0.32	-0.38
16	μ Hydræ.....	55 16	-1.48	-1.30	-1.24	-0.18	-0.24
Mean Residual.....						0.19	0.19

Observations Direct and Reflected—Second Series.

Date.	Star.	Z. D. N.	$\frac{1}{2}(z_R - z_D)$				
			Ob- served.	C ₁	C ₂	O-C ₁	O-C ₂
1908		° ' "	"	"	"	"	"
May 1	36 H. Cephei s. p. . . .	57 12	-1.83	-1.70	-1.63	-0.13	-0.20
1	32 H. Cephei s. p. . . .	55 25	-1.48	-1.68	-1.61	+0.20	+0.13
1	29 H. Camelopardalis . . .	45 47	-1.70	-1.57	-1.52	-0.13	-0.18
1	1 H. Draconis	42 48	-1.10	-1.52	-1.49	+0.42	+0.39
1	B. D. +77°412	38 39	-1.62	-1.46	-1.44	-0.16	-0.18
1	9 H. Draconis	37 16	-1.58	-1.45	-1.43	-0.13	-0.15
1	109 B. Ursæ Majoris . . .	34 23	-1.44	-1.39	-1.39	-0.05	-0.05
1	89 B. Ursæ Majoris . . .	30 44	-1.31	-1.34	-1.35	+0.03	+0.04
1	35 H. Ursæ Majoris . . .	30 38	-1.28	-1.34	-1.35	+0.06	+0.07
1	B. D. +60°1246	21 31	-1.38	-1.18	-1.23	-0.20	-0.15
1	υ Ursæ Majoris	20 33	-1.15	-1.16	-1.21	+0.01	+0.06
1	B. D. +54°1348	15 25	-0.98	-1.07	-1.14	+0.09	+0.16
2	μ Leonis	347 31	-1.15	-1.21	-1.10	+0.06	-0.05
2	ψ Leonis	335 32	-1.15	-0.99	-0.93	-0.16	-0.22
2	ρ Leonis	330 52	-1.27	-0.91	-0.87	-0.36	-0.40
2	37 Sextantis	327 57	-0.51	-0.86	-0.83	+0.35	+0.32
2	33 Sextantis	319 50	-0.66	-0.73	-0.74	+0.07	+0.08
2	B. D. -1°2460	319 27	-0.86	-0.73	-0.73	-0.13	-0.13
2	Α Hydræ	315 35	-0.50	-0.67	-0.69	+0.17	+0.19
2	22 Sextantis	313 29	-0.75	-0.64	-0.67	-0.11	-0.08
2	α Hydræ	312 50	-0.50	-0.64	-0.66	+0.14	+0.16
2	λ Hydræ	309 12	-0.72	-0.58	-0.63	-0.14	-0.09
2	μ Hydræ	304 44	-0.42	-0.54	-0.59	+0.12	+0.17
Mean Residual						0.15	0.16

Observations Direct and Reflected—Third Series.

Date.	Star.	Z. D. N.	$\frac{1}{2}(z_R - z_D)$				
			Ob- served.	C ₁	C ₂	O-C ₁	O-C ₂
1908		° ' "	"	"	"	"	"
Sept. 22	30 H. Camelop. s. p. . . .	58 2	-1.32	-1.12	-1.04	-0.20	-0.28
Nov. 16	29 Camelop. s. p.	56 21	-0.76	-1.10	-1.03	+0.34	+0.27
Sept. 22	6 B. Urs. Min. s. p. . . .	52 51	-1.37	-1.07	-1.00	-0.30	-0.37
22	39 H. Cephei	47 52	-1.03	-1.00	-0.95	-0.03	-0.08
22	Gr. 3970	44 55	[-1.88]	-0.97	-0.92	[-0.91]	[-0.96]
Nov. 16	Gr. 3970	44 45	-1.12	-0.97	-0.92	-0.15	-0.20
Sept. 22	γ Cephei	38 12	-0.47	-0.87	-0.85	+0.40	+0.38
22	226 B. Cephei	36 49	-0.84	-0.85	-0.83	+0.01	-0.01
Nov. 16	226 B. Cephei	36 49	-0.86	-0.85	-0.83	-0.01	-0.03
16	π Cephei	35 58	-0.55	-0.83	-0.82	+0.28	+0.27
Sept. 22	Gr. 4163	34 58	-0.78	-0.81	-0.81	+0.03	+0.03
22	24 Cephei	32 58	-1.20	-0.78	-0.79	-0.42	-0.41

Observations Direct and Reflected—Third Series—Continued.

[illegible]

Observations Direct and Reflected—Fourth Series.

[Reversing prism eyepiece used in this series.]

[illegible]

Observations Direct and Reflected—Sixth Series.

Date.	Star.	Z. D. N.	$\frac{1}{2}(z_R - z_D)$				
			Ob- served.	C ₁	C ₂	O-C ₁	O-C ₂
1909		° /	"	"	"	"	"
Apr. 24	36 H. Cephei s. p. . . .	57 12	-1.76	-1.51	-1.37	-0.25	-0.39
24	32 H. Cephei s. p. . . .	55 25	-1.90	-1.48	-1.35	-0.42	-0.55
24	29 H. Camelopardalis . . .	45 47	-1.32	-1.35	-1.26	+0.03	-0.06
24	1 H. Draconis	42 48	-1.19	-1.29	-1.23	+0.10	+0.04
24	B. D. +78°375	39 21	-1.14	-1.22	-1.19	+0.08	+0.05
24	B. D. +77°412	38 39	-1.16	-1.21	-1.18	+0.05	+0.02
24	9 H. Draconis	37 15	-1.14	-1.20	-1.17	+0.06	+0.03
24	B. D. +75°377	36 34	-1.36	-1.18	-1.16	-0.18	-0.20
24	109 B. Ursæ Majoris . . .	34 23	-0.94	-1.13	-1.13	+0.19	+0.19
24	89 B. Ursæ Majoris . . .	30 44	-0.66	-1.06	-1.09	+0.40	+0.43
24	35 H. Ursæ Majoris . . .	30 38	-0.83	-1.06	-1.09	+0.23	+0.26
24	B. D. +60°1246	21 31	-1.04	-0.87	-0.97	-0.17	-0.07
24	ν Ursæ Majoris	20 33	-0.82	-0.84	-0.95	+0.02	+0.13
24	B. D. +54°1348	15 25	-0.83	-0.73	-0.88	-0.10	+0.05
22	μ Leonis	347 31	-1.24	-1.49	-1.28	+0.25	+0.04
22	B. D. +22°2164	343 28	-2.01	-1.40	-1.22	-0.61	-0.79
22	δ Leonis	342 6	-1.03	-1.36	-1.20	+0.33	+0.17
22	ψ Leonis	335 32	-1.04	-1.22	-1.11	+0.18	+0.07
22	ρ Leonis	330 52	-1.11	-1.11	-1.05	0.00	-0.06
22	37 Sextantis	327 56	-1.05	-1.05	-1.01	0.00	-0.04
22	d Leonis	325 12	-0.89	-1.00	-0.98	+0.11	+0.09
22	p ⁴ Leonis	323 32	-0.90	-0.97	-0.96	+0.07	+0.06
22	33 Sextantis	319 50	-0.99	-0.89	-0.92	-0.10	-0.07
22	B. D. -1°2460	319 27	-0.81	-0.89	-0.91	+0.08	+0.10
22	87 Leonis	318 35	-0.50	-0.88	-0.90	+0.38	+0.40
22	22 Sextantis	313 29	-1.16	-0.78	-0.85	-0.38	-0.31
22	λ Hydræ	309 12	-0.82	-0.73	-0.81	-0.09	-0.01
22	δ Crateris	306 49	-0.46	-0.68	-0.79	+0.22	+0.33
22	μ Hydræ	304 44	-0.86	-0.66	-0.77	-0.20	-0.09
22	γ Crateris	303 55	-0.78	-0.64	-0.76	-0.14	-0.02
Mean Residual						0.18	0.17

Observations Direct and Reflected—Seventh Series.

[A single thread was used in observing zenith distances.]

Date.	Star.	Z. D. S.	$\frac{1}{2}(z_R - z_D)$				
			Ob- served.	C ₁	C ₂	O-C ₁	O-C ₂
1910		° /	"	"	"	"	"
Feb. 10	δ Urs. Min. s. p.	305 33	+0.10	-0.41	-0.35	+0.51	+0.45
12	δ Urs. Min. s. p.	305 33	-0.24	-0.41	-0.35	+0.17	+0.11
10	λ Urs. Min. s. p.	307 57	-0.56	-0.42	-0.38	-0.14	-0.18
12	λ Urs. Min. s. p.	307 57	-0.56	-0.42	-0.38	-0.14	-0.18
10	51 H. Cephei	311 45	-0.44	-0.45	-0.42	+0.01	-0.02
12	51 H. Cephei	311 45	-0.18	-0.45	-0.42	+0.27	+0.24

[illegible]

The following table is obtained by arranging the residuals from the preceding direct and reflected observations, by clamps, in order of zenith distance and forming mean residuals by groups as indicated:

Deviation of $\frac{1}{2}(z_R - z_D)$ from the Sine Law.

Clamp East.			Clamp West.		
Z. D. S.	O—C ₁	O—C ₂	Z. D. S.	O—C ₁	O—C ₂
°	"	"	°	"	"
—45	+0.03	+0.02	—50	—0.03	—0.07
—24	—0.03	—0.03	—35	+0.06	+0.08
			—23	—0.02	—0.01
+18	—0.01	—0.01	+20	—0.01	—0.08
+37	+0.04	+0.01	+34	+0.02	+0.01
+51	—0.01	—0.01	+43	—0.03	—0.01
			+53	+0.01	+0.06

The above results show that the flexure of the instrument in zenith distance follows very closely the sine law, so that all observations have been corrected for flexure of the instrument in accordance with the table on page A CVI, and which is reproduced as Table XV.

VARIATION OF LATITUDE.

The corrections for the variation of latitude are those deduced by the International Geodetic Association and have been taken from the various publications of that association, from the *Astronomische Nachrichten*, and from results kindly communicated to this Observatory in advance of publication. The actual corrections applied to the declinations reduced with a constant latitude are given in Table XIII.

A discussion of these corrections shows that they include in addition to the periodic variation of latitude a constant correction, $+0''.05$ so that their application to the preliminary declinations changes the base latitude of the reductions from the assumed value, $+38^\circ 55' 14''.1$, see page A XCIV, to $+38^\circ 55' 14''.15$.

PERSONAL EQUATION IN DECLINATION.

Differences in declination from observations of different observers.—After the observations of the non-ephemeris stars had been reduced to mean place, the corrections to the ephemeris determined for the remaining ones, and the correction for variation of latitude applied to all the results the observations of each star during each clamp year were grouped by observers, the means taken by groups, and the differences formed for each pair of observers. Only those observations of a given star were used in which the same circle divisions had been employed and no stars were included culminating within 4° of the zenith, north or south. Then all the differences for the various stars corresponding to each pair of observers were arranged according to the declination of the stars, divided into groups, and the group means formed. In almost every case the values showed an abrupt change in passing from stars south of the zenith to stars north, but in general the values remain constant on each side of the zenith. In every case the mean of all the values on one side of the zenith was adopted as the value to be used on that side of the zenith for the pair of observers under consideration. The results are as follows, weight unity corresponding to a difference based on 40 observations by each observer. The columns *Corr'd.* give the results after the corrections from the table on page A CXIX have been applied to the observations:

	Clamp West, 1903-4.			Clamp East, 1904-5.			Clamp West, 1905-6.			Clamp East, 1907-8.			Clamp West, 1908-9.			Clamp East, ¹ 1909-10.		
	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.
Stars South of Zenith.																		
$\delta_{El}-\delta_L$	-0.49	+0.09	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{El}-\delta_R$	+0.28	+0.01	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{El}-\delta_{Br}$	+0.02	-0.03	14	+0.50	+0.05	6	+0.50	+0.04	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{El}-\delta_M$	+0.27	-0.05	6	+0.56	-0.06	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{El}-\delta_T$	-0.25	-0.08	1.2	+1.28	+0.16	0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{El}-\delta_Y$.....	.....	.....	.....	+0.21	+0.04	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{El}-\delta_{Hl}$.....	.....	.....	.....	-0.32	-0.15	0.4	-0.34	0.00	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{El}-\delta_{Bs}$.....	.....	.....	.....	.....	.....	.....	+0.05	-0.06	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_L-\delta_R$	+0.79	-0.06	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_L-\delta_{Br}$	+0.67	+0.04	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_L-\delta_M$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	+0.88	-0.02	9	+0.99	+0.05	21
$\delta_L-\delta_P$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-0.08	-0.04	10	+0.18	+0.02	24
$\delta_R-\delta_{Br}$	-0.25	-0.03	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_R-\delta_M$	+0.01	-0.04	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Br}-\delta_M$	+0.37	+0.10	10	+0.18	+0.01	10	+0.32	+0.01	0.8	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Br}-\delta_T$	-0.11	+0.11	1.7	+0.68	+0.01	0.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Br}-\delta_Y$.....	.....	.....	.....	-0.26	+0.02	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Br}-\delta_{Hl}$.....	.....	.....	.....	-0.44	+0.18	0.4	-0.87	-0.07	10	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Br}-\delta_{Bs}$.....	.....	.....	.....	.....	.....	.....	-0.37	-0.02	13	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Br}-\delta_P$.....	.....	.....	.....	.....	.....	.....	-0.69	+0.01	0.8	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_M-\delta_T$	-0.46	+0.03	1.2	+0.38	-0.12	1.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_M-\delta_Y$.....	.....	.....	.....	-0.52	-0.07	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_M-\delta_{Hl}$.....	.....	.....	.....	-0.83	-0.04	0.2	-1.21	-0.10	0.7	-0.80	+0.08	13	.....	.....	.....	.....	.....	.....
$\delta_M-\delta_P$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-0.69	+0.07	20	-0.97	-0.03	18	-0.81	-0.03	22
$\delta_M-\delta_{Fk}$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-0.60	+0.11	2	-0.70	-0.02	6	.....	.....	.....
$\delta_{Hl}-\delta_{Bs}$.....	.....	.....	.....	.....	.....	.....	+0.49	+0.04	11	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Hl}-\delta_P$.....	.....	.....	.....	.....	.....	.....	+0.22	+0.12	1.4	+0.12	0.00	20	.....	.....	.....	.....	.....	.....
$\delta_P-\delta_{Fk}$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	+0.02	-0.03	3	+0.28	-0.02	9	.....	.....	.....
Stars North of Zenith.																		
$\delta_L-\delta_R$	-0.35	+0.14	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_L-\delta_{Br}$	-0.66	+0.21	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_L-\delta_M$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-0.70	+0.02	3	-0.93	-0.25	4
$\delta_L-\delta_P$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-0.33	+0.11	3	-0.34	-0.10	4
$\delta_R-\delta_{Br}$	-0.21	+0.17	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Br}-\delta_M$	+0.03	-0.12	3	+0.04	-0.01	4	+0.21	+0.02	0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Br}-\delta_T$	-0.99	-0.19	0.3	+0.12	+0.03	0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Br}-\delta_Y$.....	.....	.....	.....	+0.46	0.00	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Br}-\delta_{Hl}$.....	.....	.....	.....	.....	.....	.....	+0.70	+0.34	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\delta_{Br}-\delta_{Bs}$.....	.....	.....	.....	.....	.....	.....	+0.47	+0.10	5	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹ This discussion for the determination of personal equation in declination was commenced in the summer of 1910, and no observation made after August, 1910, has been included in it.

	Clamp West, 1903-4.			Clamp East, 1904-5.			Clamp West, 1905-6.			Clamp East, 1907-8.			Clamp West, 1908-9.			Clamp East, 1909-10.		
	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.
Stars North of Zenith—Continued.																		
$\delta_{Br}-\delta_P$	"	"		"	"		"	"		"	"		"	"		"	"	
$\delta_M-\delta_T$	-1.38	-0.43	0.2	+0.27	+0.23	0.5												
$\delta_M-\delta_Y$				+0.46	+0.05	2												
$\delta_M-\delta_{Hl}$							+0.59	+0.42	0.2	+0.16	-0.24	5						
$\delta_M-\delta_P$										+0.30	-0.16	9	+0.35	+0.07	6	+0.62	+0.18	4
$\delta_M-\delta_{Fk}$										-0.14	-0.31	0.6	+0.22	+0.02	2			
$\delta_{Hl}-\delta_{Bs}$							-0.19	-0.20	3									
$\delta_{Hl}-\delta_P$							-0.28	-0.32	0.5	+0.04	-0.02	6						
$\delta_P-\delta_{Fk}$										-0.19	+0.10	0.8	-0.12	-0.04	3			

Subtracting the differences north of the zenith from the corresponding ones south of the zenith we obtain the following table, in which the columns *Corr'd.* give the results after the corrections from table on page A cxx have been applied to the observations.

$$\delta_s - \delta_N$$

Observers.	Clamp West, 1903-4.			Clamp East, 1904-5.			Clamp West, 1905-6.			Clamp East, 1907-8.			Clamp West, 1908-9.			Clamp East, 1909-10.		
	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.
L.-R.....	+1.14	-0.20	2															
L.-Br.....	+1.33	-0.17	2															
L.-M.....													+1.58	-0.04	2	+1.92	+0.30	3
L.-P.....													+0.25	-0.15	2	+0.52	+0.12	3
R.-Br.....	-0.04	-0.20	2															
Br.-M.....	+0.34	+0.22	2	+0.14	+0.02	3												
Br.-T.....	+0.88	+0.30	0.3	+0.56	-0.02	0.3												
Br.-Y.....				-0.72	+0.02	2												
Br.-Hl.....							-1.57	-0.41	2									
Br.-Bs.....							-0.84	-0.12	4									
M.-T.....	+0.92	+0.46	0.2	+0.11	-0.35	0.4												
M.-Y.....				-0.98	-0.12	2												
M.-Hl.....										-0.96	+0.32	4						
M.-P.....										-0.99	+0.23	6	-1.32	-0.10	4	-1.43	-0.21	3
M.-Fk.....													-0.92	-0.04	2			
Hl.-Bs.....							+0.68	+0.24	2									
Hl.-P.....										+0.08	+0.02	5						
P.-Fk.....										+0.21	-0.13	1	+0.40	+0.06	2			

Bisection equation in zenith distance.—On several occasions during the period covered by the observations under discussion the observers determined their bisection errors by observing, on each occasion, the zenith distances of about 40 zenith stars, once head north and once head south. On a given night half the stars would be observed head north and the other half head south. The stars observed head north on this night were observed head south on the following night, and those observed head south on the first night were observed head north on the second night.

In 1909 and 1910 series of observations were made on stars of various zenith distances, using a reversing prism on the eyepiece. During each observation the zenith distance of the star was determined in two different positions of the prism, the second position being obtained by rotating the prism through an angle of 90° from its first position. The difference between the two determinations of the zenith distance was twice the bisection correction.

Another series of observations was made by using an artificial star placed in the focal plane of the vertical collimator. Using this star it was possible to determine the bisection correction, first, by means of the reversing prism, and then by the observer reversing his position, making the observations with the ordinary eyepiece. These two methods gave the same results.

The results of these observations are contained in the following table, in which the columns *Corr'd.* give the results after the corrections from the table on page A CXX have been applied to the observations. The weights were assigned in accordance with the number of observations.

$$\delta_s - \delta_N$$

Observer.	Zenith Stars.			Stars with Reversing Prism.			Artificial Star.		
	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.	Obs'd.	Corr'd.	Wt.
	"	"		"	"		"	"	
Eichelberger.....	-0.30	+0.18	2	-0.69	-0.21	2	-0.40	+0.08	1
Littell.....	+1.04	-0.14	1	+1.20	+0.02	1	+1.32	+0.14	1
Brown.....	-0.32	0.00	1	....	....	..	....	....	..
Morgan.....	-0.58	-0.14	3	-0.64	-0.20	1	-0.06	+0.38	2
Yowell.....	+0.24	-0.18	1	....	....	..	....	....	..
Hall.....	+0.82	-0.02	2	....	....	..	....	....	..
Boss.....	+0.34	-0.06	1	....	....	..	....	....	..
Pawling.....	+1.06	+0.28	2	+0.56	-0.22	1	+0.72	-0.06	2
Frederick.....	+0.42	-0.02	1	....	....	..	....	....	..

Combining the results for each observer with the differences for the various pairs of observers as given in the table on page A CXVIII a least square solution gives the following:

Corrections to be Applied to Observed Declinations of South Stars, i. e., Stars Observed Head North, to Eliminate the Effect of Personal Equation of the Observer Arising From the Position of the Body, Head North or Head South.¹

Observer.	$\Delta\delta_s$	Observer.	$\Delta\delta_s$
	" "		" "
Ei.	+0.24±0.05	Y.	-0.21±0.05
L.	-0.59±0.03	Hl.	-0.42±0.04
R.	+0.08±0.06	Bs.	-0.20±0.05
Br.	+0.16±0.04	P.	-0.39±0.03
M.	+0.22±0.03	Fk.	-0.22±0.05
T.	+0.45±0.12		

Differences in declination from observations of different observers after applying bisection correction.—After the observations of the various observers have had applied the correction for bisection equation of the above table, there still remains a difference between the declinations observed by different observers as follows, where *S* indicates stars south of the zenith and *N* those north:

	Clamp West, 1903-4.		Clamp East, 1904-5.		Clamp West, 1905-6.		Clamp East, 1907-8.		Clamp West, 1908-9.		Clamp East, 1909-10.	
	Diff.	Wt.	Diff.	Wt.	Diff.	Wt.	Diff.	Wt.	Diff.	Wt.	Diff.	Wt.
	"		"		"		"		"		"	
($\delta_{Ei}-\delta_L$) _S	+0.34	7	....	...	....	...	....	...	....	...	....	...
($\delta_{Ei}-\delta_R$) _S	+0.44	11	....	...	....	...	....	...	....	...	....	...
($\delta_{Ei}-\delta_{Br}$) _S	+0.10	14	+0.58	6	+0.58	3	....	...	....	...	....	...
($\delta_{Ei}-\delta_M$) _S	+0.29	6	+0.58	5	....	...	....	...	....	...	....	...
($\delta_{Ei}-\delta_T$) _S	-0.46	1.2	+1.07	0.4	....	...	....	...	....	...	....	...
($\delta_{Ei}-\delta_Y$) _S.....	....	...	+0.66	3	....	...	....	...	....	...	....	...
($\delta_{Ei}-\delta_{Hl}$) _S.....	....	...	+0.34	0.4	+0.32	3	....	...	....	...	....	...
($\delta_{Ei}-\delta_{Bs}$) _S.....	....	...	....	...	+0.49	2	....	...	....	...	....	...
($\delta_L-\delta_R$) _S	+0.12	11	....	...	....	...	....	...	....	...	....	...
($\delta_L-\delta_R$) _N	+0.32	3	....	...	....	...	....	...	....	...	....	...
($\delta_L-\delta_{Br}$) _S	-0.08	9	....	...	....	...	....	...	....	...	....	...
($\delta_L-\delta_{Br}$) _N	+0.09	3	....	...	....	...	....	...	....	...	....	...
($\delta_L-\delta_M$) _S.....	....	...	....	...	....	...	....	...	+0.07	9	+0.18	21
($\delta_L-\delta_M$) _N.....	....	...	....	...	....	...	....	...	+0.11	3	-0.12	4
($\delta_L-\delta_P$) _S.....	....	...	....	...	....	...	....	...	-0.28	10	-0.02	24
($\delta_L-\delta_P$) _N.....	....	...	....	...	....	...	....	...	-0.13	3	-0.14	4
($\delta_R-\delta_{Br}$) _S	-0.33	14	....	...	....	...	....	...	....	...	....	...
($\delta_R-\delta_{Br}$) _N	-0.13	3	....	...	....	...	....	...	....	...	....	...
($\delta_R-\delta_M$) _S	-0.13	7	....	...	....	...	....	...	....	...	....	...
($\delta_{Br}-\delta_M$) _S	+0.31	10	+0.12	10	+0.26	0.8	....	...	....	...	....	...
($\delta_{Br}-\delta_M$) _N	+0.09	3	+0.10	4	+0.27	0.4	....	...	....	...	....	...
($\delta_{Br}-\delta_T$) _S	-0.40	1.7	+0.39	0.8	....	...	....	...	....	...	....	...
($\delta_{Br}-\delta_T$) _N	-0.70	0.3	+0.41	0.4	....	...	....	...	....	...	....	...
($\delta_{Br}-\delta_Y$) _S.....	....	...	+0.11	8	....	...	....	...	....	...	....	...

¹ For the declination of a star derived from observations head south and above the pole, the sign of the correction is the opposite of that given in the table; for the declination of a star derived from observations below the pole, the sign is that of the table.

	Clamp West, 1903-4.		Clamp East, 1904-5.		Clamp West, 1905-6.		Clamp East, 1907-8.		Clamp West, 1908-9.		Clamp East, 1909-10.	
	Diff.	Wt.	Diff.	Wt.	Diff.	Wt.	Diff.	Wt.	Diff.	Wt.	Diff.	Wt.
$(\delta_{Br}-\delta_Y)_N$	+0.09	2	....	...	....	...	....	...	....	...
$(\delta_{Br}-\delta_{HI})_S$	+0.14	0.4	-0.29	10	....	...	....	...	....	...
$(\delta_{Br}-\delta_{HI})_N$	+0.12	2	....	...	....	...	....	...
$(\delta_{Br}-\delta_{Bs})_S$	-0.01	13	....	...	....	...	....	...
$(\delta_{Br}-\delta_{Bs})_N$	+0.11	5	....	...	....	...	....	...
$(\delta_{Br}-\delta_P)_S$	-0.14	0.8	....	...	....	...	....	...
$(\delta_{Br}-\delta_P)_N$	-0.27	0.2	....	...	....	...	....	...
$(\delta_M-\delta_T)_S$	-0.69	1.2	+0.15	1.5	....	...	....	...	....	...	....	...
$(\delta_M-\delta_T)_N$	-1.15	0.2	+0.50	0.5	....	...	....	...	....	...	....	...
$(\delta_M-\delta_Y)_S$	-0.09	6	....	...	....	...	....	...	....	...
$(\delta_M-\delta_Y)_N$	+0.03	2	....	...	....	...	....	...	....	...
$(\delta_M-\delta_{HI})_S$	-0.19	0.2	-0.57	0.7	-0.16	13	....	...	....	...
$(\delta_M-\delta_{HI})_N$	-0.05	0.2	-0.48	5	....	...	....	...
$(\delta_M-\delta_P)_S$	-0.08	20	-0.36	18	-0.20	22
$(\delta_M-\delta_P)_N$	-0.31	9	-0.26	6	+0.01	4
$(\delta_M-\delta_{Fk})_S$	-0.16	2	-0.26	6	....	...
$(\delta_M-\delta_{Fk})_N$	-0.58	0.6	-0.22	2	....	...
$(\delta_{HI}-\delta_{Bs})_S$	+0.27	11	....	...	....	...	....	...
$(\delta_{HI}-\delta_{Bs})_N$	+0.03	3	....	...	....	...	....	...
$(\delta_{HI}-\delta_P)_S$	+0.19	1.4	+0.09	20	....	...	....	...
$(\delta_{HI}-\delta_P)_N$	-0.25	0.5	+0.07	6	....	...	....	...
$(\delta_P-\delta_{Fk})_S$	-0.15	3	+0.11	9	....	...
$(\delta_P-\delta_{Fk})_N$	-0.02	0.8	+0.05	3	....	...

While the difference $(\delta_x-\delta_y)_N$ at times differs considerably from the difference $(\delta_x-\delta_y)_S$ for the same pair of observers, x and y , it was finally decided to consider the difference between the north and south results as accidental and assume that the differences from the north stars and those from the south stars should be the same. With this assumption, a least square solution of the quantities above gives the following corrections in addition to the bisection corrections to reduce the observed declinations of each year to a uniform system:

Corrections to Reduce Observed Declinations of Different Observers to the System of Observer M., after Bisection Correction has been Applied.

[Change the sign for stars observed below the pole.]

Observer.	Clamp West, 1903-4.	Clamp East, 1904-5.	Clamp West, 1905-6.	Clamp East, 1907-8.	Clamp West, 1908-9.	Clamp East, 1909-10.
	"	"	"	"	"	"
Ei.	-0.34	-0.64	-0.79	....	....	....
L.	-0.09	....	....	....	-0.09	-0.13
R.	+0.09	....	....	....	....	....
Br.	-0.21	-0.11	-0.25	....	....	....
T.	-0.72	+0.27	....	....	....	....
Y.	....	-0.02	....	....	....	....
HI.	....	-0.15	-0.47	-0.24	....	....
Bs.	....	....	-0.24	....	....	....
P.	....	....	-0.40	-0.15	-0.33	-0.17
Fk.	....	....	....	-0.27	-0.24	....

Combining the table immediately preceding with that on page A CXX, we obtain:

Total Correction to Observed Declinations of Stars to Eliminate the Difference, Head North minus Head South, and to Reduce the Results of Each Year for Different Observers to a Uniform System.

Observer.	Clamp West, 1903-4.	Clamp East, 1904-5.	Clamp West, 1905-6.	Clamp East, 1907-8.	Clamp West, 1908-9.	Clamp East, 1909-11.
South Stars Observed Head North.						
Ei.	-0.10	-0.40	-0.55 ¹	....	....	....
L.	-0.68	....	....	....	-0.68	-0.72
R.	+0.17	....	....	....	....	....
Br.	-0.05	+0.05	-0.09	....	....	....
M.	+0.22	+0.22	+0.22	+0.22	+0.22	+0.22
T.	-0.27	+0.72	....	....	....	....
Y.	....	-0.23	....	....	....	....
Hl.	....	-0.57	-0.89	-0.66	....	....
Bs.	....	....	-0.44	....	....	....
P.	....	....	-0.79	-0.54	-0.72	-0.56
Fk.	....	....	....	-0.49	-0.46	....
North Stars Observed Head South and above the Pole.						
[Change the sign for stars observed below the pole.]						
Ei.	-0.58	-0.88	-1.03	....	....	....
L.	+0.50	....	....	....	+0.50	+0.46
R.	+0.01	....	....	....	....	....
Br.	-0.37	-0.27	-0.41	....	....	....
M.	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
T.	-1.17	-0.18	....	....	....	....
Y.	....	+0.19	....	....	....	....
Hl.	....	+0.27	-0.05	+0.18	....	....
Bs.	....	....	-0.04	....	....	....
P.	....	....	-0.01	+0.24	+0.06	+0.22
Fk.	....	....	....	-0.05	-0.02	....

¹ Not to be used after Feb. 23, 1906.

A few observations were made under conditions slightly different from those to which the corrections in the above table apply, and a special investigation yielded the following additional corrections:

Observer and Assistant.	Clamp West, 1903-4.	Clamp East, 1904-5.	Clamp West, 1905-6.	Clamp East, 1907-8.
South Stars Observed Head North.				
Ei.-Y. ²	....	....	-0.14 ³	....
Ei.-M.	-0.23	-0.54	....	+0.23
Ei.-R.	-0.14	....	....	....
Ei.-P.	....	....	-0.49	+0.08

² After Feb. 23, 1906.

³ The correction for Mar. 5, 1906, is -0''.35.

All observations have been corrected for personality in accordance with the last two tables, which have been combined and appear as Table XIV.

REDUCTION TO 1900.0

In reducing the positions of the non-ephemeris stars referred to the mean equator and equinox of the beginning of the year of observation to those for 1900.0, the precessions and secular variations were taken from NEWCOMB'S Fundamental Catalogue or from HEDRICK'S Zodiacal Catalogue whenever the star appeared in one of these. For the remaining non-ephemeris stars the precessions and secular variations were computed from the tables in Annex C, *Annalen der Kaiserlichen Universitäts-Sternwarte in Strassburg, Zweiter Band*, using NEWCOMB'S values.

In obtaining the positions of the ephemeris stars referred to the mean equator and equinox of 1900.0, there was applied to the positions for 1900.0, given in NEWCOMB'S catalogue, in the case of each star, the reduction for proper motion, from 1900.0 to the mean epoch of observation, obtained from that catalogue, before the mean observed correction to the ephemeris was applied.

Thus each final position from this work is referred to the mean equator and equinox of 1900.0, but its epoch is the mean epoch of observation.

CLAMP WEST MINUS CLAMP EAST.

After the preceding corrections had been applied to the observed declinations those stars which had been observed in two successive clamp years were selected. For each star was then formed the mean declination for each clamp year and the difference between the mean declinations for the two successive clamp years. The following table gives the number of observations used:

Clamp Year.	Number of Observations.	
	First Year.	Second Year.
1903-4 and 1904-5.	2, 470	1, 629
1904-5 and 1905-6.	1, 834	1, 846
1905-6 and 1907-8.	2, 250	2, 304
1907-8 and 1908-9.	2, 501	2, 653
1908-9 and 1909-11.	2, 418	3, 436

These differences were arranged in order of star's declination for each pair of successive years, divided into from 12 to 18 groups, and the mean difference obtained for each group assigning to each individual difference a weight $\frac{n_1 n_2}{n_1 + n_2}$ where n_1 and n_2 are the number of observations in the two years, respectively.

The group means and the residuals from the general mean for each of the five pairs of successive clamp years are given in the following table:

Clamp West minus Clamp East.

Mean Decl.	$\delta_W - \delta_E$					Residuals.				
	1903-4 1904-5	1904-5 1905-6	1905-6 1907-8	1907-8 1908-9	1908-9 1909-11	1903-4 1904-5	1904-5 1905-6	1905-6 1907-8	1907-8 1908-9	1908-9 1909-11
°	"	"	"	"	"	"	"	"	"	"
+104.4	-0.09	....	....	....	....	-0.06	....
+ 99.4	-0.21	....	....	....	....	+0.02	....	....
+ 98.4	-0.09	....	....	....	....	+0.14	....	....	....
+ 96.2	+0.12	....	....	....	....	+0.23
+ 93.9	-0.11	....	....	....	....	+0.13	....	....	....	....
+ 90.1	0.00	....	....	....	....	+0.03	....
+ 89.5	+0.09	....	....	....	....	+0.20
+ 82.0	-0.02	....	....	....	....	+0.09
+ 80.0	-0.27	....	....	....	....	-0.04	....	....	....
+ 79.2	-0.30	....	....	....	....	-0.07	....	....
+ 74.8	-0.08	....	....	....	....	-0.05	....
+ 55.3	-0.11	....	....	....	....	+0.13	....	....	....	....
+ 51.6	-0.13	....	....	....	....	+0.10	....	....	....
+ 51.2	-0.31	....	....	....	....	-0.08	....	....
+ 50.1	-0.09	....	....	....	....	-0.06	....
ZENITH.										
+ 32.8	-0.05	....	....	....	....	-0.02	....
+ 31.0	-0.24	....	....	....	....	-0.01	....	....
+ 30.4	-0.38	....	....	....	....	-0.15	....	....	....
+ 29.1	-0.45	....	....	....	....	-0.21	....	....	....	....
+ 28.6	-0.03	....	....	....	....	+0.08
+ 27.4	-0.09	....	....	....	....	-0.06	....
+ 25.1	-0.29	....	....	....	....	-0.05	....	....	....	....
+ 25.0	-0.37	-0.32	....	....	....	-0.14	-0.09	....	....
+ 24.2	-0.07	....	....	....	....	+0.04
+ 23.9	-0.05	....	....	....	....	-0.02	....
+ 20.1	-0.31	....	....	....	....	-0.08	....	....
+ 20.0	-0.40	-0.21	....	....	-0.06	-0.16	+0.02	....	....	+0.05
+ 19.8	-0.11	....	....	....	....	-0.08	....
+ 17.2	+0.05	....	....	....	....	+0.08	....
+ 15.2	-0.15	....	....	....	....	-0.04
+ 15.0	-0.20	....	....	....	....	+0.03	....	....
+ 14.1	-0.32	....	....	....	....	-0.08	....	....	....	....
+ 13.6	+0.03	....	....	....	....	+0.06	....
+ 11.9	-0.21	....	....	....	....	+0.02	....	....	....
+ 10.6	-0.17	....	....	....	....	-0.06
+ 9.6	-0.31	....	....	....	....	-0.07	....	....	....	....
+ 9.4	-0.15	+0.04	....	....	....	+0.08	+0.07	....
+ 7.4	-0.27	....	....	....	....	-0.04	....	....	....
+ 6.2	-0.25	....	....	....	....	-0.14

Clamp West minus Clamp East—Continued.

Mean Decl.	$\delta_W - \delta_E$					Residuals.				
	1903-4 1904-5	1904-5 1905-6	1905-6 1907-8	1907-8 1908-9	1908-9 1909-11	1903-4 1904-5	1904-5 1905-6	1905-6 1907-8	1907-8 1908-9	1908-9 1909-11
°	"	"	"	"	"	"	"	"	"	"
+ 6.1	....	....	....	-0.06	....	....	....	....	-0.03	....
+ 6.0	....	....	-0.31	....	....	....	....	-0.08	....	....
+ 5.8	-0.27	....	....	....	....	-0.03	....	....	....	....
+ 3.8	....	....	....	....	-0.29	....	....	....	....	-0.18
+ 3.0	....	-0.26	....	....	....	....	-0.03	....	....	....
+ 2.9	....	....	....	-0.03	....	....	....	....	0.00	....
+ 2.5	-0.48	....	....	....	....	-0.24	....	....	....	....
+ 1.1	....	....	-0.31	....	....	....	....	-0.08	....	....
- 1.8	-0.21	....	....	....	....	+0.03	....	....	....	....
- 1.9	....	....	....	....	-0.21	....	....	....	....	-0.10
- 2.8	....	-0.29	....	....	....	....	-0.06	....	....	....
- 3.0	....	....	....	-0.09	....	....	....	....	-0.06	....
- 5.0	....	....	-0.46	....	....	....	....	-0.23	....	....
- 6.3	-0.20	....	....	....	....	+0.04	....	....	....	....
- 7.0	....	....	....	+0.05	....	....	....	....	+0.08	....
- 7.8	....	....	....	....	-0.30	....	....	....	....	-0.19
- 9.0	....	-0.17	....	....	....	....	+0.06	....	....	....
- 9.8	....	....	-0.03	....	....	....	....	+0.20	....	....
- 10.2	-0.11	....	....	....	....	+0.13	....	....	....	....
- 10.6	....	....	....	-0.01	....	....	....	....	+0.02	....
- 11.4	....	....	....	....	-0.23	....	....	....	....	-0.12
- 15.1	....	....	....	+0.11	....	....	....	....	+0.14	....
- 16.2	....	....	-0.02	....	-0.09	....	....	+0.21	....	+0.02
- 17.7	-0.05	....	....	....	....	+0.19	....	....	....	....
- 20.6	....	....	....	....	-0.05	....	....	....	....	+0.06
- 21.0	....	-0.14	....	....	....	....	+0.09	....	....	....
- 22.1	....	....	....	+0.02	....	....	....	....	+0.05	....
- 25.4	-0.11	....	....	....	....	+0.13	....	....	....	....
- 26.4	....	....	0.00	....	....	....	....	+0.23	....	....
Mean.	-0.24	-0.23	-0.23	-0.03	-0.11					

In order to see if the observations would disclose any cosine flexure in the instrument which had not been revealed by the collimators, the residuals in the table above were assumed to be of the form

$$n = a \cos z + b \cos 2z$$

and the values of a and b were determined from a least square solution using all the residuals. This solution gave

$$n = 0''.04 \cos z - 0''.11 \cos 2z$$

and reduced the mean residual taken without regard to sign from $0''.09$ to $0''.08$. This variation of $\delta_W - \delta_E$ with the zenith distance was considered too small, even if real, to be employed in the reduction of the observations.

The mean differences, $\delta_W - \delta_E$, for the pairs of successive years were thought probably to be due to the uncertainty in the adopted division corrections of the various nadir divisions (a different set of divisions was used in the nadir observations each clamp year) or to some change in the personality of the standard observer, to the system of whose observations the observations of all the other observers were reduced, and it was therefore decided to apply a correction to each year's declinations to reduce the various mean differences $\delta_W - \delta_E$ to zero. A further condition was imposed upon these corrections, viz, that the sum of the six corrections be zero, thus reducing the final declination of each star to what it would have been had an equal number of observations of it been obtained in each of the six clamp years and the straight mean taken, no clamp correction having been applied.

The following table has been made in accordance with the conditions just stated:

Corrections to Observed Declinations for Clamp Difference.

[Change the sign before applying to declinations from "below pole" observations.]

Clamp Year.	Clamp.	Observed $\delta_W - \delta_E$	Adopted $\Delta\delta$
		"	"
1903-4.....	W.	-0.24	+0.17
1904-5.....	E.	-0.23	-0.07
1905-6.....	W.	-0.23	+0.16
1907-8.....	E.	-0.03	-0.07
1908-9.....	W.	-0.11	-0.04
1909-11.....	E.		-0.15

After applying these corrections the observations are ready to be discussed for the determination of the corrections to the latitude $+38^\circ 55' 14''.15$, see page A CXVI, and to the Pulkowa refraction tables which were used in the reduction of the observations.

CORRECTIONS TO ASSUMED LATITUDE AND REFRACTION FROM STAR OBSERVATIONS.

Circumpolar stars.—When this discussion was undertaken, the observations from July, 1910, to May, 1911, were not available, nor had the final examination of the discordant observations, page A CXXXIX, been made. Therefore the results in the following pages may be considered preliminary. However, a discussion of the circumpolar observations, using the final declinations as given in *Individual Results*, pages A 73-A 380, and including all the observations from 1903 to 1911, gave $+0''.014$ as the correction to the preliminary value of ΔR and $-0''.013$ as the correction to the preliminary value of $\Delta\phi$, so that these preliminary values, page A CXXX, have been treated as definitive.

Data from Circumpolar Observations.

Star.	R. A.		z	z'	n	n'	$\delta' - \delta$ (1903-10)	Wt	v	$\delta' - \delta$ (1903-11)
	h	m	°	°			"		"	"
ϵ Cassiopeiae.....	1	47	24.3	77.9	5	5	0.00	1	+0.17	+0.26
α Draconis.....	14	1	25.9	76.2	19	17	+0.08	3	+0.17	+0.18
249 B. Ursae Majoris.....	11	17	26.0	76.2	10	10	-0.11	2	-0.02	-0.05
i Draconis.....	13	48	26.3	75.9	10	10	-0.67	2	-0.59	-0.50
1 H ¹ . Camelopardalis.....	3	12	26.4	75.8	9	10	-0.35	2	-0.27	-0.32
153 H ¹ . Draconis.....	18	36	26.5	75.7	10	10	+0.01	2	+0.08	-0.02
32 Ursae Majoris.....	10	11	26.7	75.5	10	10	-0.04	2	+0.04	-0.19
ι Cephei.....	22	46	26.8	75.4	9	11	-0.48	2	-0.42	-0.49
36 Camelopardalis.....	6	3	26.8	75.4	10	10	-0.18	2	-0.12	-0.16
55 Draconis.....	19	9	26.9	75.3	11	10	+0.45	2	+0.52	+0.52
ζ Draconis.....	17	8	26.9	75.2	17	19	+0.74	4	+0.80	+1.15
8 Draconis.....	12	51	27.1	75.1	10	10	-0.18	2	-0.13	-0.17
55 Cassiopeiae.....	2	7	27.1	75.0	11	10	-0.40	2	-0.35	-0.36
30 H. Ursae Majoris.....	10	17	27.2	75.0	10	11	-0.30	2	-0.26	-0.23
9 Camelopardalis.....	4	44	27.2	74.9	13	11	+0.04	3	+0.09	+0.05
2 H. Ursae Majoris.....	14	56	27.4	74.8	10	10	-0.22	2	-0.18	-0.06
13 H ¹ . Camelopardalis.....	3	37	28.0	74.2	10	10	+0.61	2	+0.64	+0.54
99 B. Camelopardalis.....	5	52	28.0	74.2	10	10	-0.65	2	-0.62	-0.58
ι Cassiopeiae.....	2	21	28.0	74.1	12	10	-0.48	2	-0.45	-0.45
41 H. Cephei.....	23	43	28.3	73.8	10	10	+0.15	2	+0.16	+0.19
3 Draconis.....	11	37	28.4	73.8	13	10	-0.01	2	0.00	+0.12
118 H ¹ . Cassiopeiae.....	2	36	28.5	73.7	10	10	+0.21	2	+0.22	+0.14
δ Draconis.....	19	13	28.6	73.6	10	14	-0.07	3	-0.06	+0.35
ω Cassiopeiae.....	1	35	28.6	73.6	10	■	+0.23	2	+0.24	+0.02
σ^2 Ursae Majoris.....	9	2	28.6	73.6	13	9	-0.31	2	-0.30	-0.26
\circ Cephei.....	23	15	28.6	73.5	15	11	-0.32	3	-0.31	-0.42
ψ Cassiopeiae.....	1	19	28.7	73.5	11	9	-0.43	2	-0.43	-0.28
1 H. Ursae Minoris.....	15	13	28.8	73.4	11	9	+0.12	2	+0.13	+0.10
ρ Ursae Majoris.....	8	54	29.1	73.1	10	8	+0.16	2	+0.16	+0.24
87 B. Draconis.....	16	6	29.2	73.0	14	10	+0.23	3	+0.22	+0.26
f Draconis.....	17	32	29.3	72.9	10	10	+0.42	3	+0.41	+0.19
143 B. Camelopardalis.....	7	20	29.8	72.4	9	8	+0.26	2	+0.24	+0.18
3 H. Ursae Majoris.....	8	3	29.8	72.3	17	13	-0.05	4	-0.08	+0.17
ω Draconis.....	17	38	29.9	72.3	10	11	0.00	3	-0.02	-0.12
A Draconis.....	16	28	30.1	72.1	10	11	+0.25	3	+0.23	+0.24
43 Camelopardalis.....	6	43	30.1	72.1	10	9	+0.16	2	+0.13	+0.15
22 H. Camelopardalis.....	6	8	30.4	71.7	11	11	+0.25	3	+0.21	+0.32
35 H. Ursae Majoris.....	10	36	30.7	71.5	11	10	+0.28	3	+0.24	+0.36
89 B. Ursae Majoris.....	9	34	30.8	71.4	10	10	+0.62	3	+0.58	+0.61
38 Cassiopeiae.....	1	24	30.8	71.3	10	9	-0.29	3	-0.34	-0.30
λ Draconis.....	11	25	31.0	71.2	11	12	+0.09	3	+0.05	+0.01
ϵ Draconis.....	19	48	31.1	71.1	16	16	+0.14	4	+0.10	+0.13
β Cephei.....	21	27	31.2	71.0	19	16	+0.21	5	+0.17	+0.13
α Ursae Majoris.....	9	26	31.4	70.8	10	10	+0.01	3	-0.04	-0.22
κ Draconis.....	12	29	31.4	70.8	15	17	+0.18	4	+0.14	+0.20
11 Cephei.....	21	40	31.9	70.3	10	10	-0.39	3	-0.46	-0.34
5 H. Camelopardalis.....	3	40	32.1	70.1	8	9	+0.32	2	+0.26	+0.18
ν Draconis.....	18	56	32.2	69.9	9	8	-0.22	2	-0.29	-0.57
φ Draconis.....	18	22	32.4	69.8	10	10	+0.05	3	-0.02	-0.01
13 B. Ursae Minoris.....	13	35	32.8	69.3	10	11	+0.05	3	-0.03	-0.08

Data from Circumpolar Observations—Continued.

Star.	R. A.	<i>z</i>	<i>z'</i>	<i>n</i>	<i>n'</i>	$\delta' - \delta$ (1903-10)	Wt.	<i>v</i>	$\delta' - \delta$ (1903-11)
	h m	°	°			"		"	"
24 Cephei.....	22 8	32.9	69.2	10	11	-0.06	3	-0.14	+0.02
50 Cassiopeia.....	1 55	33.0	69.2	16	18	-0.21	5	-0.29	-0.31
γ^2 Ursæ Minoris.....	15 21	33.3	68.9	17	15	+0.67	5	+0.58	+0.49
212 H ¹ . Draconis.....	20 30	33.3	68.9	10	12	-0.18	3	-0.27	-0.34
ψ^1 Draconis.....	17 44	33.3	68.9	10	11	-0.18	3	-0.27	-0.24
36 H. Cassiopeia.....	2 29	33.5	68.7	10	10	-0.29	3	-0.38	-0.37
40 Cassiopeia.....	1 31	33.6	68.6	10	10	+0.08	3	-0.01	+0.03
χ Draconis.....	18 23	33.8	68.4	12	12	-0.21	4	-0.30	-0.22
16 Cephei.....	21 58	33.8	68.4	14	11	+0.34	4	+0.25	+0.25
9 B. Ursæ Minoris.....	13 24	34.0	68.2	10	10	+0.12	3	+0.03	-0.03
31 Cephei.....	22 33	34.2	68.0	10	11	-0.18	3	-0.28	-0.24
τ Draconis.....	19 17	34.2	67.9	15	10	+0.14	3	+0.04	-0.04
158 B. Cephei.....	21 52	34.3	67.8	11	10	-0.35	3	-0.45	-0.41
109 B. Ursæ Majoris.....	9 49	34.4	67.7	11	10	-0.24	3	-0.35	-0.30
Gr. 4163.....	23 50	34.9	67.3	10	10	-0.16	3	-0.27	-0.15
57 H ¹ . Camelopardalis.....	4 52	35.0	67.2	11	12	+0.14	4	+0.04	+0.06
181 B. Camelopardalis.....	8 29	35.1	67.1	11	9	+0.36	3	+0.25	+0.02
166 B. Camelopardalis.....	7 48	35.3	66.9	8	10	+0.25	3	+0.14	+0.06
21 Cassiopeia.....	0 39	35.5	66.6	10	10	+0.03	3	-0.08	-0.12
β Ursæ Minoris.....	14 51	35.6	66.5	17	17	+0.22	5	+0.11	+0.04
73 Draconis.....	20 33	35.7	66.5	10	10	-0.42	3	-0.54	-0.54
π Cephei.....	23 5	35.9	66.2	10	11	+0.24	3	+0.12	+0.27
74 B. Camelopardalis.....	5 26	36.1	66.1	10	22	0.00	4	-0.12	-0.14
50 Draconis.....	18 50	36.4	65.8	10	10	-0.20	3	-0.32	-0.32
226 B. Cephei.....	22 31	36.8	65.4	9	10	+0.77	3	+0.65	+0.65
35 B. Camelopardalis.....	4 35	36.8	65.3	10	14	+0.36	4	+0.23	+0.20
η Ursæ Minoris.....	16 20	37.1	65.1	10	11	+0.02	3	-0.12	-0.11
173 B. Camelopardalis.....	8 7	37.2	65.0	10	11	+0.01	3	-0.13	+0.06
19 Ursæ Minoris.....	16 14	37.2	65.0	10	10	+0.21	3	+0.08	+0.09
5 Ursæ Minoris.....	14 28	37.2	65.0	12	10	+0.14	4	0.00	0.00
9 H. Draconis.....	10 27	37.3	64.9	11	11	+0.23	3	+0.09	+0.09
318 B. Cephei.....	0 11	37.5	64.7	10	9	+0.25	3	+0.12	+0.15
35 Draconis.....	17 54	38.1	64.1	10	11	+0.12	3	-0.02	-0.01
γ Cephei.....	23 35	38.2	64.0	18	22	+0.20	7	+0.06	+0.01
24 H. Camelopardalis.....	6 45	38.2	64.0	10	10	-0.01	3	-0.15	-0.18
48 H. Cephei.....	3 8	38.4	63.7	10	10	-0.02	3	-0.16	-0.19
κ Cephei.....	20 12	38.5	63.7	15	18	+0.37	5	+0.23	+0.28
14 H ¹ . Draconis.....	12 0	38.6	63.6	9	9	+0.09	3	-0.05	-0.05
156 H ¹ . Draconis.....	18 34	38.6	63.6	13	11	+0.04	4	-0.10	-0.07
70 B. Ursæ Minoris.....	16 35	38.7	63.4	12	10	+0.24	4	+0.09	+0.11
θ Ursæ Minoris.....	15 34	38.8	63.4	10	10	-0.43	3	-0.57	-0.62
98 B. Cephei.....	21 7	38.8	63.4	11	9	+0.29	3	+0.15	+0.18
4 Ursæ Minoris.....	14 9	39.1	63.1	10	10	+0.36	3	+0.21	+0.16
ζ Ursæ Minoris.....	15 48	39.2	63.0	22	14	+0.18	6	+0.03	+0.22
4 H. Draconis.....	12 8	39.2	62.9	11	11	+0.42	4	+0.28	+0.34
6 H ¹ . Draconis.....	10 52	39.4	62.8	18	11	+0.21	5	+0.06	-0.03
47 H. Cephei.....	2 53	40.1	62.1	11	10	-0.12	3	-0.27	-0.33
19 H. Camelopardalis.....	5 6	40.2	62.0	14	11	-0.08	4	-0.24	-0.13
44 H. Cephei.....	1 4	40.2	62.0	11	12	+0.10	4	-0.06	+0.01
225 B. Draconis.....	19 28	40.5	61.7	9	10	+0.35	3	+0.19	+0.26

Data from Circumpolar Observations—Continued.

Star.	R. A.	z	z'	n	n'	$\delta' - \delta$ (1903-10)	Wt.	v	$\delta' - \delta$ (1903-11)
	h m	°	°			"		"	"
23 H. Camelopardalis.	6 29	40.8	61.4	10	16	+0.42	4	+0.26	+0.21
40 Draconis.	18 8	41.1	61.1	10	8	+0.54	3	+0.38	+0.15
41 Draconis.	18 8	41.1	61.1	2	6	+0.45	1	+0.29	+0.25
220 H ¹ . Draconis.	20 52	41.3	60.9	10	10	+0.26	3	+0.10	+0.11
142 H ¹ . Cephei.	2 33	42.1	60.1	10	10	-0.16	3	-0.33	-0.32
1 H. Draconis.	9 23	42.8	59.3	53	49	+0.08	17	-0.09	-0.05
319 B. Cephei.	0 32	43.0	59.2	14	10	-0.43	4	-0.60	-0.57
76 Draconis.	20 50	43.2	58.9	46	56	+0.15	17	-0.02	+0.01
ϵ Ursæ Minoris.	16 56	43.3	58.9	33	36	+0.53	11	+0.36	+0.30
25 H. Camelopardalis.	7 10	43.7	58.5	12	8	-0.33	3	-0.50	-0.51
30 H. Camelopardalis.	10 19	44.2	58.0	24	20	+0.35	7	+0.18	+0.16
36 H. Cephei.	22 55	44.9	57.3	12	14	-0.04	4	-0.22	-0.20
32 ² H. Camelopardalis.	12 48	45.0	57.1	10	8	-0.25	3	-0.43	-0.43
29 H. Camelopardalis.	10 15	45.8	56.3	9	11	+0.12	3	-0.06	-0.06
158 H ¹ . Cephei.	5 30	46.2	55.9	18	14	+0.12	5	-0.07	-0.13
l Ursæ Minoris.	13 18	46.4	55.8	10	10	+0.19	3	+0.01	-0.01
151 H ¹ . Cephei.	4 5	46.4	55.8	39	73	+0.34	17	+0.16	+0.22
Gr. 1418.	8 25	46.5	55.7	11	10	+0.12	3	-0.07	-0.10
32 H. Cephei.	22 21	46.7	55.5	10	10	-0.09	3	-0.28	0.00
43 H. Cephei.	0 55	46.8	55.4	52	39	0.00	15	-0.19	-0.14
157 H ¹ . Cephei.	4 57	46.9	55.2	10	9	+0.12	3	-0.07	-0.07
128 H ¹ . Camelopardalis.	12 0	47.2	55.0	10	11	-0.09	3	-0.27	-0.30
149 H ¹ . Cephei.	3 34	47.4	54.8	10	10	+0.13	3	-0.05	-0.02
δ Ursæ Minoris.	18 5	47.7	54.5	120	83	+0.33	33	+0.14	+0.12
B. A. C. 7504.	21 20	47.7	54.5	14	10	+0.18	4	0.00	-0.06
39 H. Cephei.	23 28	47.8	54.3	33	47	+0.20	13	+0.01	-0.02
Gr. 1004.	6 9	47.8	54.3	13	10	+0.45	4	+0.26	+0.28
5 B. Ursæ Minoris.	12 14	48.1	54.1	11	12	-0.43	4	-0.62	-0.66
24 Ursæ Minoris.	18 8	48.1	54.1	10	10	-0.28	3	-0.46	-0.39
51 H. Cephei.	6 54	48.3	53.9	69	91	+0.27	26	+0.08	+0.13
57 B. Ursæ Minoris.	15 9	48.7	53.5	58	46	+0.11	17	-0.08	-0.06
Gr. 2006.	13 5	49.3	52.9	10	11	+0.50	3	+0.31	+0.01
6 B. Ursæ Minoris.	12 14	49.3	52.8	76	52	+0.18	21	-0.01	-0.06
1 B. Ursæ Minoris.	0 55	49.6	52.6	10	10	+0.45	3	+0.25	+0.27
α Ursæ Minoris.	1 22	49.8	52.3	64	68	+0.44	22	+0.26	+0.23
Gr. 3402.	19 59	49.9	52.2	10	10	-0.17	3	-0.36	-0.41
4 B. Ursæ Minoris.	7 58	50.0	52.2	41	48	+0.43	15	+0.24	+0.21
λ Ursæ Minoris.	19 22	50.1	52.1	50	41	-0.09	15	-0.27	-0.26

In the above table

z = the zenith distance north of the star at upper culmination.

z' = the zenith distance north of the star at lower culmination.

n = the number of observations at upper culmination.

n' = the number of observations at lower culmination.

$\delta' - \delta$ } the mean of the declinations from lower culminations minus the mean of the declinations from
(1903-10) } upper culminations, using in the reductions the Pulkowa Refraction Tables and latitude
+38° 55' 14."15. Only the observations made before July, 1910, are included.

$\delta' - \delta$ } the mean of the declinations from lower culminations minus the mean of the declinations from
(1903-11) } upper culminations as published in the *Individual Results*, pages A73 to A380.

$$\text{Wt.} = \frac{2}{3} \cdot \frac{fnn'}{n+fn'}$$

where f is unity except when the zenith distance exceeds 65° , and varies from unity at 65° zenith distance to 0.3 at a zenith distance of 78° .

From the quantities in this table are obtained 138 equations of condition of the form

$$2\Delta\varphi + \Delta R(\tan z + \tan z') = \delta' - \delta \quad (1903-10)$$

for the determination of $\Delta\varphi$ and ΔR , the corrections to the assumed latitude and the refraction at 45° zenith distance. These equations of condition give, as normal equations,

$$\begin{array}{rcl} 2512.7\psi - 100.6\Delta R & = & +172.03 \\ -100.6 & +194.5 & = -32.33 \end{array}$$

where

$$\psi = \Delta\varphi + 1.5\Delta R.$$

Solving these equations, one obtains

$$\begin{array}{l} \psi = +0.063 \pm 0.007 \\ \Delta R = -0.134 \pm 0.026 \\ \Delta\varphi = +0.264 \pm 0.038 \end{array}$$

while $[pvv]$ is reduced from 53.0 to 37.9.

The next to the last column of the preceding table, v , gives $\delta' - \delta$ (1903-10) after the corrections to the adopted latitude and refraction, just obtained, have been applied.

The above correction applied to the latitude given on page A cxvi gives for the definitive mean latitude of the transit circle

$$+38^\circ 55' 14.41''.$$

This quantity must be decreased $0''.07$ to obtain the mean latitude of the center of the clock room, whose coordinates have been adopted as the coordinates of the Observatory since the removal to the present site in 1893.

To obtain the instantaneous value of the latitude either of the transit circle or of the center of the clock room, a correction of $-0''.05$ must be applied to the mean latitude before applying the correction from Table XIII, see page A cxvi.

Zodiacal stars.—A second determination of the correction to the refraction was made through a comparison of the zodiacal star observations made at the Royal Observatory, Cape of Good Hope, with those made at the Naval Observatory as a part of the present work. The Cape observations were taken from Cape Meridian Observations, 1900 to 1904, after applying the latitude and flexure corrections given on page XIX of the Introduction. In the Washington observations were included all the corrections set forth in the preceding pages except those to the assumed latitude and the assumed refraction tables. In general there were five observations of each star at the Cape and four at Washington and the positions of 2,700 stars were employed. The differences between the results at the two observatories were arranged in order of the right ascension of the stars, divided into two groups, 6^h to 18^h and 18^h to 6^h , and each of these two groups was subdivided into 20 groups, each 3° wide in declination. The mean differences by groups, $\delta_c - \delta_w$, appear in the table following, where weight unity is assigned to a mean difference depending upon about 125 Cape and 100 Washington observations.

Data from Zodiacal Stars, Cape and Washington.

Mean R. A.	Mean Decl.	z_c	z_w	$\delta_c - \delta_w$	$\sqrt{Wt.}$	v_1	v_2	v_3
h m	°	°	°	"		"	"	"
6 44	+28.1	62.0	10.8	-0.37	1.05	-0.06	-0.01	-0.03
7 9	+25.3	59.2	13.6	-0.35	1.27	-0.02	+0.05	+0.03
7 40	+22.4	56.3	16.5	-0.28	1.49	+0.05	+0.14	+0.12
8 0	+19.6	53.5	19.3	-0.37	1.73	-0.03	+0.07	+0.05
8 34	+16.6	50.5	22.3	-0.49	1.72	-0.15	-0.02	-0.05
9 38	+13.5	47.4	25.4	-0.51	1.36	-0.17	0.00	-0.04
10 15	+10.5	44.4	28.4	-0.43	1.36	-0.09	+0.10	+0.06
10 42	+ 7.6	41.5	31.3	-0.59	1.24	-0.26	-0.06	-0.10
11 19	+ 4.5	38.4	34.4	-0.76	1.20	-0.42	-0.23	-0.26
11 44	+ 1.6	35.5	37.3	-0.52	1.20	-0.19	+0.01	-0.02
12 14	- 1.5	32.4	40.4	-0.52	1.18	-0.20	0.00	-0.02
12 46	- 4.5	29.4	43.4	-0.38	1.22	-0.07	+0.12	+0.11
13 10	- 7.5	26.4	46.4	-0.53	1.31	-0.24	-0.05	-0.04
13 45	-10.5	23.4	49.4	-0.46	1.25	-0.19	-0.02	+0.01
14 33	-13.5	20.4	52.4	-0.39	1.43	-0.14	+0.01	+0.04
15 38	-16.5	17.4	55.4	-0.39	1.76	-0.16	-0.05	-0.02
16 2	-19.5	14.4	58.4	-0.35	1.68	-0.15	-0.06	-0.02
16 5	-22.4	11.5	61.3	-0.23	1.48	-0.07	+0.01	+0.07
16 33	-25.4	8.5	64.3	-0.12	1.50	0.00	+0.07	+0.12
17 10	-28.3	5.6	67.2	-0.30	0.92	-0.24	-0.21	-0.17
18 45	-28.3	5.6	67.2	-0.10	0.98	-0.04	-0.08	-0.12
19 20	-25.4	8.5	64.3	-0.05	1.21	+0.07	0.00	-0.05
19 44	-22.4	11.5	61.3	-0.05	1.62	+0.11	+0.03	-0.02
20 10	-19.5	14.4	58.4	-0.11	1.75	+0.09	-0.01	-0.06
20 35	-16.5	17.4	55.4	-0.08	1.66	+0.14	+0.03	-0.01
21 32	-13.5	20.4	52.4	+0.02	1.53	+0.27	+0.12	+0.09
22 2	-10.5	23.4	49.4	+0.04	1.55	+0.31	+0.15	+0.13
22 38	- 7.5	26.4	46.4	-0.07	1.28	+0.22	+0.05	+0.04
23 15	- 4.5	29.4	43.4	-0.13	1.24	+0.17	-0.02	0.00
23 45	- 1.5	32.4	40.4	-0.11	1.25	+0.20	+0.02	+0.04
0 14	+ 1.6	35.5	37.3	-0.17	1.30	+0.15	-0.02	0.00
0 41	+ 4.5	38.4	34.4	-0.33	1.23	-0.01	-0.18	-0.15
1 11	+ 7.6	41.5	31.3	-0.20	1.39	+0.13	-0.04	0.00
1 49	+10.5	44.4	28.4	-0.19	1.25	+0.14	-0.01	+0.02
2 21	+13.5	47.4	25.4	-0.34	1.55	0.00	-0.14	-0.11
3 22	+16.6	50.5	22.3	-0.28	1.92	+0.06	-0.05	-0.02
4 2	+19.6	53.5	19.3	-0.22	1.94	+0.11	+0.04	+0.06
4 12	+22.4	56.3	16.5	-0.21	1.81	+0.12	+0.04	+0.06
4 36	+25.3	59.2	13.6	-0.34	1.37	-0.02	-0.08	-0.07
5 10	+28.1	62.0	10.8	-0.38	1.10	-0.07	-0.10	-0.10

In the above table

z_c = the mean zenith distance north of the group at the Cape.

z_w = the mean zenith distance south of the group at Washington.

δ_c = the mean of the observed declinations at the Cape.

δ_w = the mean of the observed declinations at Washington.

From the quantities in the preceding table are obtained 40 equations of condition of the form

$$\Delta\delta - \Delta R_o \tan z_o - \Delta R_w \tan z_w = \delta_o - \delta_w$$

where

ΔR_o = the correction at the Cape to the refraction at 45° zenith distance.

ΔR_w = the correction at Washington to the refraction at 45° zenith distance.

$\Delta\delta$ = the constant difference between the declinations at the Cape and those at Washington after the refraction corrections given by a solution of these equations have been applied.

These equations of condition give, as normal equations,

$$\begin{array}{rrrr} 81.66\psi + 0.54\Delta R_o + 5.15\Delta R_w & = & -22.73 & \\ +0.54 & +20.90 & -22.73 & = +2.21 \\ +5.15 & -22.73 & +29.43 & = -4.87 \end{array}$$

where

$$\psi = \Delta\delta - 0.8\Delta R_o - \Delta R_w.$$

Solving these equations, one obtains

$$\begin{array}{l} \psi = -0.265 \pm 0.018 \\ \Delta R_o^1 = -0.106 \pm 0.089 \\ \Delta R_w^1 = -0.201 \pm 0.075 \\ \Delta\delta = -0.55 \pm 0.14 \end{array}$$

while $[pvv]$ is reduced from 8.76 to 1.96.

The residuals resulting from the substitution of the above values of $\Delta\delta$, ΔR_o , and ΔR_w in the equations of condition are exhibited in the preceding table in the column headed v_1 . These residuals vary unmistakably with the right ascension of the stars, reaching a maximum positive value at about 0^h , a maximum negative value at about 12^h , and passing through zero at about 6^h and 18^h .

Several attempts were made to eliminate the periodicity in the final residuals by introducing one or more unknowns into the equations of condition and resolving. None of the various forms was an improvement on the following two:

$$\Delta\delta - \Delta R_o \tan z_o - \Delta R_w \tan z_w - y \cos \alpha = \delta_o - \delta_w$$

and

$$\Delta\delta - (\Delta R_o + y_o \cos \alpha) \tan z_o - (\Delta R_w + y_w \cos \alpha) \tan z_w = \delta_o - \delta_w$$

The solution in the first case gave

$$\begin{array}{l} \psi = -0.272 \pm 0.010 \\ \Delta R_o = -0.118 \pm 0.047 \\ \Delta R_w = -0.218 \pm 0.039 \\ y = -0.190 \pm 0.013 \\ \Delta\delta = -0.58 \pm 0.07 \end{array}$$

$[pvv]$ being reduced from 8.76 to 0.54, and in the second case

$$\begin{array}{l} \psi = -0.271 \pm 0.009 \\ \Delta R_o = -0.124 \pm 0.046 \\ \Delta R_w = -0.222 \pm 0.039 \\ y_o = -0.066 \pm 0.021 \\ y_w = -0.159 \pm 0.017 \\ \Delta\delta = -0.59 \pm 0.07 \end{array}$$

$[pvv]$ being reduced from 8.76 to 0.50.

The residuals resulting from the substitution of the above values of the unknowns in the equations of condition are exhibited in the preceding table in the columns headed v_2 and v_3 , respectively. As far as these residuals show there is no choice

¹ From these corrections to the refraction and the circumpolar observations at the two observatories we obtain as corrections to the latitudes, $\Delta\varphi_o = -0''.17$ and $\Delta\varphi_w = +0''.36$. Using, therefore, the stars that are observed in common at the two observatories for determining the corrections to the Pulkowa Refraction Tables and the circumpolars observed at each observatory to determine the corrections to the two assumed latitudes, the fundamental positions of the zodiacal stars observed at Washington are $1''.08$ ($0''.55 + 0''.17 + 0''.36$) north of the Cape positions.

between the last two solutions. However, although the three solutions give only a range of $0''.02$ to the correction to the refraction constant, if the refraction varies with the right ascension of the star by the amount indicated in the last solution, a discussion of the Washington observations alone should reveal it. Moreover, since most of the observations of the zodiacal stars were made before midnight, this variation apparently with the right ascension of the star may be simply an annual variation.

*Daily and annual variations of the refraction.*¹—Returning to our solution for the correction to the adopted refraction derived from observations of circumpolar stars and dividing the residuals, v , in the table on pages A CXXVII to A CXXIX into three groups, the weighted mean residuals are as follows:

Declination.	Mean Residual.	Wt.	No. Stars.
° °	"		
+89 to +78	+0.013	347	44
+78 to +71	-0.029	163	47
+71 to +63	+0.043	119	47
+89 to +63	+0.008	629	138

In view of the results obtained from the discussion of the differences, $\delta_c - \delta_w$, each of the three groups in the table just given was divided into four other groups in accordance with the right ascension of the stars. The results are:

Declination.	Mean Residual.				
	0 ^h -6 ^h	6 ^h -12 ^h	12 ^h -18 ^h	18 ^h -24 ^h	0 ^h -24 ^h
° °	"	"	"	"	"
+89 to +78	0.00 ₈₆	+0.07 ₈₇	+0.00 ₆₉	-0.01 ₁₀₅	+0.01
+78 to +71	-0.07 ₃₂	-0.02 ₁₈	+0.03 ₅₁	-0.06 ₆₂	-0.03
+71 to +63	-0.08 ₂₅	+0.07 ₃₇	+0.16 ₃₁	-0.02 ₂₈	+0.04
+89 to +63	-0.03 ₁₄₃	+0.06 ₁₄₂	+0.04 ₁₅₁	-0.03 ₁₉₃	....

In the columns 6^h-12^h and 12^h-18^h of the six residuals only one is negative, while in the columns 18^h-24^h and 0^h-6^h of the six residuals five are negative and one zero. As the upper and lower culminations of a star are sometimes observed on the same day, 12 hours apart, and sometimes at the same time of day, 6 months apart, such a variation as is here exhibited might be due either to a daily or an annual variation of the refraction constant or to a temperature correction to the adopted refraction tables. Each of these three theories was tested. The second and third gave variations of only a few hundredths of a second, but when the equation of condition was put into the form

$$2\Delta\varphi + [\Delta R + x \sin(\alpha - \alpha_0) + y \cos(\alpha - \alpha_0)] (\tan z + \tan z') = \delta' - \delta$$

where

α = right ascension of the star.
 α_0 = right ascension of the Sun.

¹ See also *Day Observations minus Night Observations*, page A CXL.

this solution gave

$$\begin{aligned}\Delta\varphi &= +0.204 \pm 0.043 \\ \Delta R &= -0.010 \pm 0.036 \\ x &= +0.034 \pm 0.016 \\ y &= +0.168 \pm 0.036\end{aligned}$$

and the residuals from this solution give

Declina- tion.	Mean Residual.			
	0 ^h -6 ^h	6 ^h -12 ^h	12 ^h -18 ^h	18 ^h -24 ^h
° °	"	"	"	"
+89 to +78	+0.02	+0.05	+0.01	-0.05
+78 to +71	0.00	-0.06	+0.05	-0.09
+71 to +63	-0.02	+0.06	+0.11	-0.07
+89 to +63	0.00	+0.04	+0.05	-0.07

These residuals, taken as a whole, show no improvement over those given in the immediately preceding table, but the last solution shows a daily variation of the refraction amounting to $0''.34 \tan z$ which, if real, should be taken account of in reducing the observations. However, it should be noted that in the solution the three quantities $\Delta\varphi$, ΔR , and y , are not sharply differentiated, the coefficient of $\Delta\varphi$ being $+2$, that of ΔR varying from $+5.1$ to $+2.5$, and that of y varying from -0.4 to -3.1 .

To determine the quantity y in a manner so that its value will in no way depend upon the values of $\Delta\varphi$ and ΔR , it was decided to make an intercomparison of observations of the same star made at different times of the year. Early in the investigation it seemed probable that the amplitude of the daily variation was a function of the time of the year, so that the following method was employed.

Assume that the refraction varies with the hour angle of the Sun and that the coefficients of this daily variation have an annual variation which will be expressed as a function of the right ascension of the Sun, then the final declination corrected for errors in the assumed latitude and refraction will be of the form

$$\delta = \delta_{obs} + \Delta\varphi - [\Delta R_0 + (x + z \sin \alpha_0 + u \cos \alpha_0) \sin (\alpha - \alpha_0) + (y + v \sin \alpha_0 + w \cos \alpha_0) \cos (\alpha - \alpha_0)] \tan z_s$$

or

$$\delta = \delta_{obs} + \Delta\varphi - \Delta R_0 \tan z_s - [x \sin (\alpha - \alpha_0) + y \cos (\alpha - \alpha_0) + z \sin \alpha_0 \sin (\alpha - \alpha_0) + u \cos \alpha_0 \sin (\alpha - \alpha_0) + v \sin \alpha_0 \cos (\alpha - \alpha_0) + w \cos \alpha_0 \cos (\alpha - \alpha_0)] \tan z_s \dots \dots \dots (A)$$

where

z_s = the zenith distance south of the star.

Since

$$\cos \alpha \cos \alpha_0 (\alpha - \alpha_0) = \cos \alpha + \sin \alpha_0 \sin (\alpha - \alpha_0)$$

the coefficients of z and w in each of the various equations arising from observations of the same star will differ by the same quantity, $\cos \alpha$, so that when the equation is formed to express the difference between two observations the coefficients of z and w will be identical, and the solution from a series of such equations can give only the value of the sum, $z + w$.

Similarly, since

$$\cos \alpha_0 \sin (\alpha - \alpha_0) = \sin \alpha - \sin \alpha_0 \cos (\alpha - \alpha_0)$$

the coefficients of u and v in each of the various equations arising from observations of the same star will have their sum the same quantity, $\sin \alpha$, so that when the

equation is formed to express the difference between two observations, the coefficients of u and v will have the same absolute value but opposite signs, and the solution from a series of such equations can give only the value of the difference, $u-v$.

By a simple transformation, equation (A), page A CXXXIV, becomes

$$\delta = \delta_{\text{obs}} + \Delta\varphi - \Delta R_0 \tan z_s - \left[x \sin(\alpha - \alpha_0) + y \cos(\alpha - \alpha_0) + \frac{z}{2} \{ \cos(\alpha - 2\alpha_0) - \cos \alpha \} + \frac{u}{2} \{ \sin(\alpha - 2\alpha_0) + \sin \alpha \} \right. \\ \left. + \frac{v}{2} \{ \sin \alpha - \sin(\alpha - 2\alpha_0) \} + \frac{w}{2} \{ \cos(\alpha - 2\alpha_0) + \cos \alpha \} \right] \tan z_s$$

or

$$\delta = \delta_{\text{obs}} + \Delta\varphi - \Delta R_0 \tan z_s - \left[x \sin(\alpha - \alpha_0) + y \cos(\alpha - \alpha_0) + \frac{z+w}{2} \cos(\alpha - 2\alpha_0) \right. \\ \left. + \frac{u-v}{2} \sin(\alpha - 2\alpha_0) - \frac{z-w}{2} \cos \alpha + \frac{u+v}{2} \sin \alpha \right] \tan z_s \dots \dots \dots (B)$$

A second observation of the same star, δ''_{obs} , at the instant when the Sun's right ascension is α_0'' will give

$$\delta = \delta''_{\text{obs}} + \Delta\varphi - \Delta R_0 \tan z_s - \left[x \sin(\alpha - \alpha_0'') + y \cos(\alpha - \alpha_0'') + \frac{z+w}{2} \cos(\alpha - 2\alpha_0'') \right. \\ \left. + \frac{u-v}{2} \sin(\alpha - 2\alpha_0'') - \frac{z-w}{2} \cos \alpha + \frac{u+v}{2} \sin \alpha \right] \tan z_s$$

Subtracting the last two equations, there results

$$x [\sin(\alpha - \alpha_0'') - \sin(\alpha - \alpha_0)] \tan z_s + y [\cos(\alpha - \alpha_0'') - \cos(\alpha - \alpha_0)] \tan z_s \\ + \frac{z+w}{2} [\cos(\alpha - 2\alpha_0'') - \cos(\alpha - 2\alpha_0)] \tan z_s + \frac{u-v}{2} [\sin(\alpha - 2\alpha_0'') - \sin(\alpha - 2\alpha_0)] \tan z_s = \delta''_{\text{obs}} - \delta_{\text{obs}}$$

From 1,956 observations of declination of stars, the zenith distances of which at transit range from 55° to 75° , were formed 978 equations of condition of the form just given. Before forming the normal equations the equations of condition were divided into groups of from 1 to 28 equations, only those equations being put into any particular group whose coefficients of each unknown were approximately the same. From each group was formed the weighted mean equation of the group. In this manner the following 138 group equations were obtained, each equation reduced to unit weight:

					"	$\sqrt{Wt.}$						"	$\sqrt{Wt.}$						
+0.19	x	+1.63	$\frac{y}{2}$	-1.42	$\frac{z+w}{2}$	+0.68	$\frac{u-v}{2}$	-1.20	0.86	+2.84	x	-5.81	$\frac{y}{2}$	-6.44	$\frac{z+w}{2}$	+1.94	$\frac{u-v}{2}$	-0.87	1.58
+1.62	+7.35	-5.40			+4.55	+0.28	3.10	+3.48	-4.09	-1.98	+6.42	+0.40	1.88						
+0.80	+3.06	+1.03			+3.25	+0.55	1.71	+3.92	-4.30	-2.48	-6.71	-1.28	2.32						
+0.58	+4.23	-0.79			+3.79	+1.34	1.84	+4.09	+6.25	-3.84	-6.72	-1.02	2.52						
+0.80	+3.67	-3.75			+0.96	+0.24	2.24	+5.07	+6.45	-1.52	-9.24	+0.45	2.83						
+0.94	+2.93	-3.44			-0.52	+0.28	2.23	+1.94	+0.99	+3.65	-0.22	+1.01	1.36						
+0.65	-3.47	-3.68			+0.39	-0.99	2.31	+1.19	-2.20	-2.48	+0.29	+0.77	0.86						
+0.95	-5.86	-5.19			-2.01	+0.40	2.19	+1.41	-2.52	-3.07	-0.12	+0.31	1.21						
+0.46	-2.56	-2.34			-0.22	-0.59	0.84	+3.66	+0.67	+5.05	+3.10	+0.92	2.01						
+1.35	+5.18	-1.72			+4.69	+0.26	1.79	+3.28	-1.74	+5.75	+0.47	-0.09	2.02						
+1.57	+2.75	-3.82			+0.51	-0.33	1.78	+7.90	+5.84	+7.17	-11.94	-0.58	4.17						
+2.40	+3.32	-2.40			+4.73	+0.33	2.43	+4.37	-0.79	+2.69	-6.87	-0.76	2.41						
+2.75	+7.72	-8.33			-1.98	-0.30	3.42	+5.72	-2.01	+8.71	-4.39	-0.93	3.44						
+3.55	+6.08	-4.30			-7.53	+1.16	4.02	+4.47	+6.42	-7.69	-1.65	+1.04	2.29						
+2.50	+1.47	+4.45			+1.34	+0.64	1.89	+4.93	-2.80	+6.73	+4.87	-0.68	2.36						
+1.03	+1.35	-2.27			-0.21	-1.19	1.14	+4.77	-3.86	+1.67	+8.00	+0.98	2.18						
+1.63	-5.00	-2.48			-4.35	+1.03	1.90	+1.71	-4.00	-3.21	-1.26	+0.55	1.21						
+2.22	-2.99	+2.60			+3.94	+0.02	2.43	+4.22	-6.01	-6.29	-0.42	+0.46	2.04						
+2.80	-2.16	+5.44			+0.79	-0.20	2.44	+6.67	+5.58	+2.31	-9.71	+0.03	2.74						
+3.17	+3.97	+1.75			-6.48	+0.71	2.20	+4.20	-4.35	-5.20	-4.16	+0.12	1.73						
+3.21	+2.99	+5.09			-3.77	+0.75	2.56	+3.56	-0.46	+3.99	-3.75	+0.34	1.62						
+2.88	+1.80	+4.19			+3.56	-0.69	2.04	+6.62	+1.90	+5.80	-8.07	+0.25	2.91						
+2.62	-1.18	+3.00			+3.98	-1.09	2.51	+3.28	-1.12	-4.62	-1.50	+0.64	1.38						
+1.38	-1.98	+0.38			+3.17	-2.17	1.06	+3.76	+3.31	-4.91	-3.00	+0.49	1.88						
+1.34	-1.53	+0.42			-3.05	+0.26	1.33	+3.69	-1.35	-1.53	-5.39	+0.28	1.27						

"										"									
$\sqrt{Wt.}$										$\sqrt{Wt.}$									
+3.49	x	+1.87	$\frac{y}{2}$	-1.21	$\frac{z+w}{2}$	-5.11	$\frac{u-v}{2}$	=+0.05	1.68	+3.98	x	+7.48	$\frac{y}{2}$	-6.31	$\frac{z+w}{2}$	-5.59	$\frac{u-v}{2}$	=-1.61	2.77
+2.98	-4.47	-1.74				+3.99	-0.24	1.44		+3.08	-1.14	-0.87				-5.35	+0.38	1.56	
+4.87	-7.03	-6.55				+2.49	+0.01	1.54		+1.24	+0.13	+0.32				+2.20	-0.60	0.86	
+5.39	+6.05	-3.40				-4.77	+0.13	2.17		+4.18	-2.24	+7.06				+1.76	+0.26	2.00	
+7.47	+2.78	+2.97				-9.24	-1.05	2.93		+3.24	-1.01	+2.20				+5.18	+0.63	1.70	
+4.09	-0.69	+1.06				-5.41	-0.61	1.59		+3.79	-5.05	+4.34				+6.42	-0.13	2.30	
+6.02	-4.07	+3.51				+6.79	-0.01	2.25		+5.49	+5.14	+1.96				-9.62	0.00	2.72	
+7.05	-2.35	+8.98				+2.97	-0.23	2.01		+2.49	+3.09	-0.14				-4.98	+0.15	1.64	
+5.67	-2.57	-2.65				+0.86	+0.26	1.58		+6.92	+2.52	+9.79				-6.57	-0.46	3.68	
+5.11	-2.89	-2.43				+2.27	-0.48	1.61		+3.60	+0.53	-1.31				-5.78	+0.61	1.75	
+4.15	-0.69	-2.64				-2.36	+0.68	1.06		+4.27	+0.69	+4.04				+4.25	+0.68	1.82	
+7.25	-6.10	-5.76				+2.84	+1.09	2.37		+7.70	-4.05	+10.72				+4.27	-0.15	2.85	
+8.55	+4.39	-5.57				-5.80	-0.93	2.55		+3.15	+1.41	+4.96				-0.48	+0.31	1.37	
+4.63	-0.92	-4.64				+1.14	+0.19	1.33		+5.09	+2.74	+6.29				-3.90	-0.01	1.89	
+4.61	-1.52	-4.39				-1.78	+1.10	1.32		+4.33	-2.43	+1.68				+6.06	-0.10	1.75	
+6.92	-3.20	-1.38				+6.34	+1.17	1.99		+5.65	-5.02	+1.40				+8.11	-0.15	2.18	
+2.14	+0.20	-0.22				+2.27	-0.34	0.86		+3.83	+1.19	+1.45				-5.77	+0.07	1.48	
+4.00	+3.84	-4.14				+2.34	+0.79	1.32		+6.71	-1.94	+2.31				-9.71	+1.04	2.52	
+6.59	+2.97	+4.44				-4.85	+0.21	2.08		+6.36	+7.58	-2.87				-9.15	-0.36	3.12	
+1.21	-7.22	-1.56				-6.44	-0.04	2.62		+2.50	-0.31	-3.17				+2.01	+1.76	0.63	
+1.78	+7.42	-7.23				+1.56	+0.29	3.20		+3.84	-3.39	-1.10				+6.25	-0.23	1.50	
+2.18	-7.00	-6.43				+4.85	+0.48	3.46		+3.69	+1.66	-5.32				+0.99	+0.87	1.61	
+0.80	-3.62	-3.79				+0.55	-0.25	1.82		+2.40	+2.73	-3.16				+1.34	-0.54	1.21	
+1.10	-2.86	-1.40				+3.19	-0.63	1.56		+3.80	+3.10	-4.15				-1.38	-0.28	1.39	
+1.63	+4.88	-4.54				-3.28	+0.35	3.23		+9.43	-10.18	-8.75				+6.05	+0.78	3.15	
+1.18	-3.76	+1.74				-3.70	+0.43	1.88		+4.16	-1.54	-2.56				+4.35	+0.77	1.67	
+2.34	-4.60	-0.87				+6.17	-0.98	2.23		+3.85	-1.78	-2.12				-3.49	+0.07	1.44	
+2.20	-5.24	-4.36				+4.29	-0.29	2.51		+6.31	+1.20	-3.08				-7.42	+0.57	2.66	
+0.83	-0.59	-1.63				-0.17	+0.47	0.78		+4.47	+1.56	+6.31				+0.43	+0.95	1.80	
+1.61	+2.16	+0.13				-3.69	-0.08	1.59		+3.21	-2.94	-2.54				-2.84	+0.41	1.12	
+2.34	+2.84	+3.74				-3.05	+0.56	2.36		+5.39	-2.93	-5.39				-3.36	-0.16	1.37	
+3.44	-1.67	+6.12				-2.26	+0.06	3.17		+4.50	-1.16	-0.90				-5.92	-0.23	1.85	
+2.68	+2.64	+4.07				+3.47	-0.33	3.03		+5.62	-1.20	+7.09				-3.16	-0.54	2.05	
+2.19	+1.52	+4.30				+0.31	+0.34	1.90		+6.44	+1.29	+6.74				-1.28	+0.37	1.87	
+1.96	+2.87	-4.21				-0.05	+0.69	1.70		+5.05	+2.57	+0.31				-3.95	-0.35	1.91	
+1.22	+2.95	-2.65				+0.31	-0.50	0.84		+3.52	+0.55	+1.08				-3.82	-0.27	1.05	
+2.70	+3.12	-2.42				-5.24	-0.53	1.96		+4.49	+0.70	+3.69				-1.86	-0.37	1.38	
+2.80	+6.65	-5.70				-3.97	-0.49	2.33		+3.64	-0.54	+3.53				-1.09	+0.33	1.09	
+1.59	+1.64	-2.73				-1.88	-0.03	1.46		+8.17	+2.82	-6.65				-1.89	-0.96	2.08	
+2.04	-3.45	-2.19				-3.97	+0.95	1.53		+6.93	-1.97	+5.28				+5.58	-0.17	2.43	
+2.26	-2.75	-2.30				+4.47	+0.01	1.98		+7.89	-5.25	+1.73				+6.43	+0.89	2.71	
+1.99	+4.56	-4.99				0.00	-0.72	1.67		+4.14	+3.68	-0.30				-3.99	-1.11	1.71	
+2.54	+2.99	-4.23				+2.96	-0.06	1.73		+5.42	-1.09	+5.81				+0.88	-0.66	1.49	
+2.21	+5.50	-3.65				+4.27	-0.18	1.53		+7.81	+3.34	+7.37				-6.72	+0.08	2.67	

From the above equations of condition were formed the following normal equations:

$$\begin{array}{rclcl}
 2415.6x + & 24.1\frac{y}{2} + & 155.7\frac{z+w}{2} - & 626.8\frac{u-v}{2} = & +24.2 \\
 1948.6 - & 100.8 & - & 959.7 & -24.8 \\
 & 2581.6 & - & 68.7 & -28.9 \\
 & & & 2846.5 & +32.5
 \end{array}$$

whose solution gave

$$\begin{array}{l}
 x = +0.014 \pm 0.010 \\
 y = -0.015 \pm 0.022 \\
 \frac{z+w}{2} = -0.012 \pm 0.009 \\
 \frac{u-v}{2} = +0.012 \pm 0.009
 \end{array}$$

[p_{vv}] being reduced from 60.1 to 58.9.

Since the preceding solution gives each of the quantities, x , y , $\frac{z+w}{2}$, and $\frac{u+v}{2}$ equal to $0''.01$, these quantities will be neglected in the following solution of the circumpolar observations to determine the values of $\frac{z-w}{2}$ and $\frac{u+v}{2}$ of equation (B), page A cxxxv. Omitting the four terms just mentioned, the equation becomes

$$\delta = \delta_{\text{obs}} + \Delta\varphi - \left(\Delta R_0 - \frac{z-w}{2} \cos \alpha + \frac{u+v}{2} \sin \alpha \right) \tan z_0$$

where α is the sidereal time of meridian passage of the star, since it was introduced into the equation through the hour angle of the Sun from the star, $t = \alpha - \alpha_{\odot}$, so that in considering the lower culmination of a star it should be replaced by $12^{\text{h}} + \alpha$, α being then the right ascension.

The equation may then be expressed in the following forms for upper and lower culminations of circumpolar stars:

$$\delta = \delta_{\text{obs}} + \Delta\varphi + \left(\Delta R_0 - \frac{z-w}{2} \cos \alpha + \frac{u+v}{2} \sin \alpha \right) \tan z_n$$

$$\delta = \delta'_{\text{obs}} - \Delta\varphi - \left(\Delta R_0 + \frac{z-w}{2} \cos \alpha - \frac{u+v}{2} \sin \alpha \right) \tan z'_n$$

giving as the form for the equation of condition arising from the difference between the observed declinations of a star at upper and lower culminations

$$2\Delta\varphi + \Delta R_0 (\tan z'_n + \tan z_n) + \left(\frac{z-w}{2} \cos \alpha - \frac{u+v}{2} \sin \alpha \right) (\tan z'_n - \tan z_n) = \delta' - \delta$$

The introduction of the two unknowns $\frac{z-w}{2}$ and $\frac{u+v}{2}$ into the equations of condition changes the normal equations of page A cxxx to

$$\begin{array}{rcccc} 2512.7\psi - 100.6\Delta R_0 + 30.6\frac{z-w}{2} + 97.4\frac{u+v}{2} & = & +172.03 & & \\ 194.5 & - & 18.0 & + & 9.7 & - & 32.33 \\ & & 718.7 & - & 23.2 & & 23.13 \\ & & & & 731.5 & + & 22.21 \end{array}$$

The solution of these equations gives

$$\begin{array}{l} \psi = +0.062 \pm 0.007 \\ \Delta R_0 = -0.138 \pm 0.025 \\ \Delta\varphi = +0.269 \pm 0.038 \\ \frac{z-w}{2} = -0.037 \pm 0.013 \\ \frac{u+v}{2} = +0.023 \pm 0.013 \end{array}$$

$[p\psi]$ being reduced, by the introduction of the two new unknowns, from 37.9 to 36.4.

The correction from the above solution to the assumed refraction constant is

$$\Delta R = -0''.138 + 0''.037 \cos \alpha + 0''.023 \sin \alpha$$

where α is the sidereal time of the meridian passage of the star.

Using the residuals from the above solution, we obtain

Declination.	Mean Residual.			
	0 ^h -6 ^h	6 ^h -12 ^h	12 ^h -18 ^h	18 ^h -24 ^h
° °	"	"	"	"
+89 to +78	+0.01	+0.06	-0.01	-0.04
+78 to +71	-0.02	-0.04	-0.03	-0.05
+71 to +63	+0.03	+0.04	+0.06	0.00
+89 to +63	+0.01	+0.04	0.00	-0.04

A material diminution in the variation of the residuals with the right ascension is here shown over the corresponding quantities in the table on page A CXXXIII, particularly in the stars remote from the pole.

Combining this last solution with the preceding one, we obtain

$$\begin{array}{ll} \Delta\varphi = +0.269 & x = +0.014 \\ \Delta R_0 = -0.138 & y = -0.015 \\ \frac{z+w}{2} = -0.012 & z = -0.049 \\ \frac{z-u}{2} = -0.037 & u = +0.035 \\ \frac{u+v}{2} = +0.023 & v = +0.011 \\ \frac{u-v}{2} = +0.012 & w = +0.025 \end{array}$$

and

$$\begin{aligned} \Delta R = & -0''.138 + (0''.014 - 0''.049 \sin \alpha_0 + 0''.035 \cos \alpha_0) \sin t_0 \\ & - (0''.015 - 0''.011 \sin \alpha_0 - 0''.025 \cos \alpha_0) \cos t_0 \end{aligned}$$

where t_0 is the hour angle of the Sun.

As the preceding discussions give values for x , y , z , u , v , and w of $0''.05$ or less, the average value being only one and a half times the average probable error, it is concluded that from the present series of observations no positive evidence of either a daily or an annual variation of the refraction is shown. Therefore it has been assumed in the reduction of the observations under consideration that no such variations exist.¹

Two independent determinations of the correction to the assumed refraction have been made, that from a discussion of the Washington circumpolar observations, page A CXXX,

$$\Delta R = -0''.134 \pm 0''.026$$

and that from a discussion of the Cape and Washington zodiacal observations, page A CXXXII,

$$\Delta R = -0''.201 \pm 0''.075$$

If these values are combined in accordance with the weights indicated by their respective probable errors, a value of ΔR is obtained differing from the first by $0''.007$. Due to the smallness of this quantity and to the periodic character of the residuals from the Cape-Washington solution, it was decided to adopt the value from the circumpolar observations, i. e., to make the final positions of this volume depend solely upon the material obtained at the Naval Observatory.

Corrections to Observed Declinations to Reduce to the Finally Adopted Refraction (Pulkowa Refraction Table $-0''.134 \tan z$) and Adopted Latitude of Transit Circle ($+38^\circ 55' 14''.41$).

Declination.	$\Delta\delta$	Declination.	$\Delta\delta$
°	"	°	"
+60 S. P.	+0.59	+40.....	+0.26
+70 S. P.	+0.13	+30.....	+0.28
+80 S. P.	-0.02	+20.....	+0.31
+90 S. P.	-0.10	+10.....	+0.34
+90.....	+0.10	0.....	+0.37
+80.....	+0.15	-10.....	+0.42
+70.....	+0.18	-20.....	+0.49
+60.....	+0.21	-30.....	+0.61
+50.....	+0.24	-40.....	+0.95

¹ See *Day Observations minus Night Observations*, pp. A CXL to A CXLIII.

DISCORDANT OBSERVATIONS.

In order to establish a criterion for the selection of discordant observations, a preliminary determination of the probable error of an observed declination was made at each of a number of different declinations. From these determinations the following formula was obtained to give the probable error at any desired declination:

$$p. e. = \sqrt{0''.087 + 0''.0144 \tan^2 z}$$

Each observed declination of a star that differed from the mean of all the results for that star by more than three times the probable error was selected for a rereduction beginning with an inspection of the original record of the observation. After the completion of this work each observed declination of a star that differed from the mean of all the results for that star by more than six times the probable error was rejected. This is indicated in the *Individual Results* by inclosing the seconds of the declination in parentheses. Of the 45,000 star observations in declination about 40 have been rejected for this cause.

PROBABLE ERROR OF AN OBSERVATION.

After the final positions of the catalogue had been formed, 12 groups of stars were selected of 30 stars each, each star having 10 observations. The mean of the declinations of the stars of each group is given in the table below.

The residuals, v , for the 10 observations of each star from the mean of the 10 were formed, and the probable error in each group was computed by the formula

$$p. e. = 0.8453 \sqrt{\frac{10}{9} \cdot \frac{\sum v}{300}}$$

Probable Error of a Single Observation of the Final Declination.

Mean Declination.	Prob. Error.	Mean Declination.	Prob. Error.
°	"	°	"
-33.5.....	0.48	+49.0.....	0.29
-25.6.....	0.40	+68.8.....	0.30
-16.0.....	0.35	+84.6.....	0.31
- 6.0.....	0.34	+85.5 s. p.....	0.34
+ 9.2.....	0.30	+76.0 s. p.....	0.41
+28.9.....	0.28	+68.9 s. p.....	0.48

To determine the probable errors of the different observers, pairs of observations were selected, the two observations of a pair being by the same observer, of the same star, in the same clamp year, and on the same division. The difference, Δ , was then formed for each pair, and from the differences for each observer was computed his probable error by the formula

$$p. e. = 0.8453 \frac{\sum \Delta}{m\sqrt{2}}$$

where m is the number of differences used in $\sum \Delta$. This process was carried out for the several different declinations noted in the table following.

Probable Error by Observers of a Single Determination of Declination.

Z. D. S.	Br.		Bs.		Ei. - Y.		Fk.		Hl.		L.		M.		P.		R.		Y.	
	p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.	p. e.	m.
°	"		"		"		"		"		"		"		"		"		"	
+65	0.43	69	0.42	38	0.28	300	0.32	10	0.42	55	0.38	56	0.36	166	0.43	137	0.38	26	0.28	14
+49	0.32	258	0.34	76	0.26	300	0.30	45	0.33	172	0.34	300	0.29	300	0.33	300	0.31	74	0.34	33
+29	0.29	300	0.27	110	0.29	300	0.25	33	0.26	214	0.27	300	0.27	300	0.28	300	0.26	109	0.25	37
+11	0.26	272	0.26	77	0.24	300	0.22	58	0.25	175	0.27	228	0.23	300	0.27	300	0.27	77	0.22	48
- 8	0.25	125	0.21	46	....	....	0.21	26	0.23	64	0.26	61	0.25	173	0.26	157	0.26	29	0.22	25
-30	0.27	68	0.24	47	....	....	0.18	13	0.18	37	0.29	46	0.29	126	0.27	112	0.29	14	....	..
-51	0.31	114	0.34	38	....	....	0.21	10	0.29	57	0.26	141	0.26	229	0.28	212	0.38	21	0.26	12
-69	0.37	49	0.51	26	....	....	....	..	0.59	25	0.53	30	0.40	88	0.44	92	0.36	11	....	..

UPPER CULMINATION MINUS LOWER CULMINATION.

Taking the numbers in the last column of the table on pages A CXXVII to A CXXIX, the following weighted means are obtained:

Declination.	$\delta - \delta'$	Wt.	No. Stars.
° °	"		
+63 to +70	-0.06	10	41
+70 to +75	+0.06	10	31
+75 to +80	-0.04	11	29
+80 to +85	+0.03	8	13
+85 to +90	-0.02	24	24
Mean....	-0.01	63	138

DAY OBSERVATIONS MINUS NIGHT OBSERVATIONS.

From July, 1909, to April, 1911, two groups of six stars each were observed continuously, each for 8 or 9 months out of 12. The final individual declinations of each star made during a continuous period were divided into five groups, those observed in the morning after sunrise, those observed during morning twilight, those observed at night, those observed during the evening twilight, and those observed before sunset. Some of these groups were further subdivided so as to make the number of observations in each subgroup approximately the same. In each series for each star the mean of all the night observations was made and subtracted from the group means of that series. The residuals are exhibited in the table following.

1909-10	γ Orionis		δ Orionis.		ζ Orionis.		κ Orionis.		α Orionis.		8 Mono.		Mean.	
	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.
Group I.	"		"		"		"		"		"		"	
	....	..	....	..	....	..	+1.32	1	+0.16	1	+0.95	1	+0.81	3
	-0.06	1	+0.01	5	+0.11	3	-0.08	4	-0.12	5	-0.10	4	-0.05	22
Group II.	-0.08	10	+0.04	10	-0.34	10	-0.32	11	+0.25	12	0.00	10	-0.07	63
Group III.	+0.02	12	+0.24	12	+0.14	10	+0.17	11	-0.01	11	+0.03	10	+0.10	66
	+0.01	9	-0.13	9	-0.02	8	-0.09	9	-0.08	9	-0.03	11	-0.06	55
	+0.15	12	+0.01	13	-0.01	15	+0.13	14	+0.16	13	-0.07	5	+0.07	72
	-0.14	8	+0.08	8	+0.08	7	-0.09	8	-0.13	8	+0.21	8	0.00	47
	+0.16	8	-0.01	7	+0.07	8	+0.16	7	-0.04	9	-0.09	7	+0.04	46
	-0.32	7	-0.35	7	-0.34	6	-0.51	6	+0.04	4	-0.18	3	-0.31	33
Group IV.	+0.21	6	+0.17	6	-0.35	7	-0.14	8	-0.26	10	-0.19	10	-0.12	47
Group V.	-0.43	10	-0.42	11	-0.52	9	-0.82	8	-0.48	7	-0.33	4	-0.51	49
	-0.64	10	-0.74	9	-0.88	9	-0.84	8	-1.09	8	-0.90	4	-0.83	48

1910-11	γ Orionis.		δ Orionis.		ζ Orionis.		κ Orionis.		α Orionis.		8 Mono.		Mean.	
	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.
Group I.	"		"		"		"		"		"		"	
	-0.29	1	-0.48	2	-0.69	2	-0.46	2	-0.08	2	-0.61	3	-0.46	12
Group II.	-0.62	7	-0.53	7	-0.47	7	-0.50	9	-0.36	10	-0.34	10	-0.46	50
	-0.21	11	-0.18	11	-0.06	11	+0.07	9	+0.17	10	-0.09	8	-0.06	60
Group III.	+0.07	10	-0.10	12	-0.05	14	-0.08	14	-0.06	11	-0.14	7	-0.06	68
	-0.25	12	-0.14	12	-0.10	11	+0.18	11	-0.19	11	+0.29	4	-0.08	61
	+0.08	11	+0.20	11	+0.09	12	+0.07	11	+0.18	12	-0.15	10	+0.08	67
	+0.05	7	-0.18	8	-0.30	8	-0.22	9	-0.15	8	-0.03	5	-0.15	45
	-0.07	11	+0.09	12	+0.24	10	+0.13	9	+0.20	11	+0.16	9	+0.12	62
	+0.29	6	+0.14	7	+0.03	9	-0.12	9	-0.04	9	+0.01	9	+0.03	49
Group IV.	+0.22	10	+0.01	10	+0.29	6	+0.18	9	+0.14	9	-0.07	8	+0.12	52
Group V.	-0.20	7	-0.64	8	-0.23	9	-0.31	8	-0.34	8	-0.37	5	-0.35	45
	-0.74	2	-1.53	1	-1.14	1	-0.91	1	....	..	....	..	-1.01	5

1910	σ Ophichi.		β Ophichi.		ν Ophichi.		η Serpentis.		3 H. Scuti.		θ Serpentis.		Mean.	
	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.	$\Delta\delta$	No. Obs.
Group I.	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	.....	..	-0.14	1	-0.08	3	-0.56	5	-0.33	6	-0.60	9	-0.44	24
	-0.10	6	-0.22	6	-0.29	9	-0.30	8	-0.35	6	-0.18	8	-0.24	43
Group II.	+0.03	7	-0.31	7	-0.34	6	-0.18	10	+0.32	10	+0.27	8	-0.01	48
	+0.20	10	-0.19	11	-0.12	10	-0.02	8	+0.18	10	+0.18	9	+0.03	58
Group III.	-0.05	12	-0.02	14	-0.11	10	+0.23	10	+0.09	9	+0.24	6	+0.04	61
	-0.16	9	+0.26	8	-0.19	8	-0.09	12	+0.15	10	-0.02	9	-0.01	56
	+0.08	11	+0.07	11	+0.07	12	-0.08	9	+0.13	9	-0.05	14	+0.03	66
	+0.11	11	-0.23	11	+0.14	12	-0.03	16	-0.26	13	-0.06	12	-0.06	75
Group IV.	+0.12	12	-0.16	12	-0.35	13	-0.28	10	-0.08	7	-0.14	9	-0.15	63
	-0.09	8	-0.34	9	-0.44	9	-0.11	10	-0.07	9	-0.17	11	-0.20	56
Group V.	-0.24	9	-0.55	11	-0.70	9	-0.42	11	-0.23	10	-0.35	10	-0.41	58
	-0.82	16	-0.98	18	-0.84	15	-0.52	7	-0.63	4	-0.14	1	-0.81	61

The two subgroups of Group I are strictly comparable in the three series. The same is true also of the two subgroups of Group V. Combining the results from the three series as to Groups I and V, we have:

	Time of Observation.	$\Delta\delta$	No. Obs.
Group I.	More than 45 ^{min} after sunrise.....	-0.35	39
	Less than 45 ^{min} after sunrise.....	-0.30	115
Group V.	Less than 45 ^{min} before sunset.....	-0.42	152
	More than 45 ^{min} before sunset.....	-0.82	114

Although the first subgroup contains observations made as much as 2^h 15^m after sunrise, the mean time of the group is only about 1^h 15^m after sunrise, and, similarly, although the last subgroup contains observations made as much as 2^h 15^m before sunset, the mean time of the group is only about 1^h 15^m before sunset.

The above figures indicate that the zenith distances of a south star resulting from night observations are practically the same whatever the time of transit, that those resulting from twilight observations are slightly greater, but hardly more than 0''.1 greater, and that those resulting from daylight observations are decidedly greater, the amount varying somewhat with the time of transit.

A comparison of the bracketed and unbracketed observations, see page A CLXVIII, given in the *Individual Results*, was made as follows: Omitting the 12 stars just considered and the 3 circumpolars, α Ursæ Minoris, δ Ursæ Minoris, and 51 H. Cephei, which 15 stars were observed much longer before sunset and after sunrise than the remaining ones, for each star having at least 5 bracketed observations, a mean of these was taken and from that mean was subtracted the mean of the unbracketed or night observations.

In this investigation were included 730 bracketed observations, practically all of them taken a short time before or after sunrise or sunset. The final mean for all the stars was

$$\Delta\delta = +0''.10$$

that is, the meridian zenith distances determined near the time of sunrise or sunset are $0''.10$ smaller than those determined at night, while the results from the 12 stars discussed above indicate that the zenith distances determined near the time of sunrise or sunset are greater than those determined at night.

COMPARISON WITH OTHER CATALOGUES.

The declinations of the stars published on pages A 381 to A 452 have been compared with the positions as given by NEWCOMB,¹ AUWERS,² BOSS,³ and HEDRICK⁴ (not also in NEWCOMB), reduced to the epoch of the Washington observations, with the following results, the subscripts indicating the number of stars in the various groups.

$\Delta\delta$ (Washington-Newcomb).

R. A. Decl.	0 ^h to 3 ^h	3 ^h to 6 ^h	6 ^h to 9 ^h	9 ^h to 12 ^h	12 ^h to 15 ^h	15 ^h to 18 ^h	18 ^h to 21 ^h	21 ^h to 24 ^h	0 ^h to 24 ^h
° °	" "	" "	" "	" "	" "	" "	" "	" "	" "
+63 S. P. to +70 S. P. . .	-0. 11 ₇	+0. 35 ₁	+0. 16 ₇	+0. 20 ₇	+0. 07 ₄	+0. 49 ₆	+0. 49 ₃	+0. 22 ₃	+0. 20 ₃₈
+70 S. P. to +80 S. P. . .	-0. 07 ₇	+0. 27 ₅	+0. 22 ₅	+0. 01 ₄	+0. 11 ₈	+0. 10 ₇	+0. 14 ₁₂	+0. 29 ₁₁	+0. 14 ₅₉
+80 S. P. to +90 S. P. . .	-0. 19 ₃	-0. 04 ₂	-0. 06 ₃	+0. 22 ₃	-0. 18 ₂	-0. 06 ₂	-0. 15 ₅	-0. 18 ₂	-0. 08 ₂₂
+90 to +80.....	-0. 29 ₃	-0. 06 ₂	+0. 02 ₃	+0. 20 ₃	+0. 07 ₂	-0. 18 ₂	-0. 07 ₅	-0. 13 ₂	-0. 05 ₂₂
+80 to +70.....	+0. 06 ₇	+0. 31 ₅	+0. 19 ₅	+0. 12 ₄	+0. 06 ₈	+0. 04 ₇	+0. 26 ₁₂	+0. 26 ₁₁	+0. 17 ₅₉
+70 to +60.....	+0. 14 ₁₁	+0. 20 ₅	+0. 02 ₁₀	+0. 16 ₉	+0. 27 ₇	+0. 23 ₈	+0. 23 ₇	+0. 28 ₈	+0. 18 ₆₅
+60 to +50.....	+0. 18 ₁₁	-0. 14 ₈	-0. 12 ₈	+0. 10 ₇	+0. 15 ₁₀	+0. 22 ₁₀	+0. 01 ₈	-0. 12 ₁₀	+0. 05 ₇₀
+50 to +40.....	+0. 48 ₁₂	+0. 42 ₁₄	+0. 16 ₁₀	+0. 21 ₈	+0. 37 ₁₁ *	+0. 13 ₁₅	+0. 34 ₁₂	+0. 46 ₁₃	+0. 33 ₉₅
+40 to +30.....	+0. 51 ₉	+0. 49 ₁₀	+0. 39 ₉	+0. 12 ₁₁	+0. 28 ₁₀	+0. 26 ₂₀	+0. 15 ₁₉	+0. 46 ₁₄	+0. 31 ₁₀₂
+30 to +20.....	+0. 48 ₁₇	+0. 61 ₁₅	+0. 42 ₂₀	+0. 28 ₈	+0. 29 ₁₁	+0. 59 ₁₃	+0. 57 ₁₃	+0. 58 ₁₃	+0. 49 ₁₁₀
+20 to +10.....	+0. 75 ₁₂	+0. 56 ₁₆	+0. 61 ₁₈	+0. 65 ₁₄	+0. 69 ₁₂	+0. 70 ₁₄	+0. 69 ₁₉	+0. 80 ₈	+0. 67 ₁₁₃
+10 to 0.....	+0. 49 ₂₂	+0. 80 ₁₅	+0. 59 ₁₁	+0. 31 ₂₀	+0. 51 ₉	+0. 51 ₁₀	+0. 53 ₁₃	+0. 53 ₁₈	+0. 52 ₁₁₈
0 to -10.....	+0. 50 ₁₃	+0. 51 ₂₁	+0. 33 ₇	+0. 31 ₁₁	+0. 57 ₁₅	+0. 56 ₇	+0. 44 ₁₄	+0. 62 ₁₆	+0. 50 ₁₀₄
-10 to -20.....	+0. 32 ₈	+0. 52 ₉	+0. 16 ₉	+0. 47 ₉	+0. 40 ₁₅	+0. 45 ₁₅	+0. 48 ₁₂	+0. 57 ₁₆	+0. 44 ₉₃
-20 to -35.....	+0. 74 ₉	+0. 49 ₁₃	+0. 36 ₁₀	+1. 24 ₅	+0. 84 ₈	+0. 93 ₁₂	+0. 61 ₂₀	+0. 84 ₁₄	+0. 71 ₉₁
+90 to +50.....	+0. 09 ₃₂	+0. 09 ₁₈	+0. 01 ₂₆	+0. 14 ₂₃	+0. 15 ₂₇	+0. 15 ₂₇	+0. 14 ₃₂	+0. 12 ₃₁	+0. 11 ₂₁₆
+30 to -20.....	+0. 52 ₇₂	+0. 60 ₇₆	+0. 46 ₆₅	+0. 41 ₆₂	+0. 49 ₆₂	+0. 57 ₅₉	+0. 56 ₇₁	+0. 60 ₇₁	+0. 53 ₅₃₈

* One correction $+4''.19$ omitted. No other correction differs from the mean of its group by as much as $2''.0$.

¹ Astronomical Papers of the American Ephemeris, Vol. VIII, Pt. II.

² Veröffentlichung Nr. 33 des Königlichen Astronomischen Rechen-Instituts.

³ Preliminary General Catalogue of 6,188 Stars, Carnegie Institution of Washington.

⁴ Astronomical Papers of the American Ephemeris, Vol. VIII, Pt. III.

Δδ (Washington-Auwers).

R. A. Decl.		0 ^h to 3 ^h	3 ^h to 6 ^h	6 ^h to 9 ^h	9 ^h to 12 ^h	12 ^h to 15 ^h	15 ^h to 18 ^h	18 ^h to 21 ^h	21 ^h to 24 ^h	0 ^h to 24 ^h
°	°	"	"	"	"	"	"	"	"	"
+63 s. P. to +70 s. P. . .		-0.04 ₅	+0.31 ₁	+0.10 ₆	+0.08 ₆	-0.24 ₄	+0.38 ₅	+0.38 ₂	+0.22 ₂	+0.11 ₃₁
+70 s. P. to +80 s. P. . .		-0.04 ₇	+0.05 ₅	+0.06 ₅	-0.12 ₄	+0.02 ₇	+0.06 ₇	+0.13 ₉	+0.28 ₇	+0.07 ₅₁
+80 s. P. to +90 s. P. . .		0.00 ₂	+0.14 ₁	+0.16 ₁	-0.04 ₂	....	+0.02 ₁	-0.07 ₃	....	0.00 ₁₀
+90 to +80.....		-0.01 ₂	-0.04 ₁	+0.06 ₁	-0.07 ₂	....	-0.28 ₁	-0.03 ₃	....	-0.05 ₁₀
+80 to +70.....		+0.10 ₇	+0.08 ₅	+0.03 ₅	-0.02 ₄	-0.04 ₇	0.00 ₇	+0.21 ₉	+0.30 ₇	+0.10 ₅₁
+70 to +60.....		+0.19 ₈	+0.26 ₅	+0.05 ₉	+0.04 ₈	-0.02 ₇	+0.13 ₇	+0.24 ₅	+0.27 ₆	+0.13 ₅₅
+60 to +50.....		+0.39 ₉	+0.06 ₄	+0.16 ₇	+0.16 ₇	+0.29 ₇	+0.33 ₁₀	+0.35 ₇	+0.35 ₇	+0.28 ₅₈
+50 to +40.....		+0.53 ₇	+0.50 ₁₀	+0.54 ₈	+0.41 ₇	+0.57 ₇	+0.42 ₈	+0.50 ₇	+0.65 ₈	+0.52 ₆₂
+40 to +30.....		+0.37 ₇	+0.46 ₉	+0.39 ₈	+0.21 ₇	+0.44 ₈	+0.21 ₇	+0.34 ₉	+0.35 ₇	+0.35 ₆₀
+30 to +20.....		+0.51 ₁₁	+0.53 ₇	+0.44 ₁₁	+0.35 ₅	+0.45 ₄	+0.62 ₉	+0.73 ₆	+0.70 ₁₀	+0.55 ₆₃
+20 to +10.....		+0.79 ₃	+0.64 ₈	+0.72 ₆	+0.55 ₈	+0.66 ₇	+0.78 ₁₀	+0.77 ₁₀	+0.89 ₇	+0.72 ₅₉
+10 to 0.....		+0.78 ₁₀	+0.95 ₉	+0.73 ₈	+0.57 ₆	+0.87 ₅	+0.79 ₇	+0.76 ₇	+0.80 ₇	+0.79 ₅₉
0 to -10.....		+0.74 ₆	+0.73 ₁₅	+0.59 ₄	+0.69 ₄	+0.78 ₉	+0.74 ₈	+0.64 ₅	+0.73 ₇	+0.72 ₅₅
-10 to -20.....		+0.73 ₅	+0.76 ₆	+0.52 ₇	+0.56 ₆	+0.62 ₄	+0.68 ₇	+0.48 ₆	+0.55 ₉	+0.61 ₅₀
-20 to -35.....		+1.03 ₉	+0.63 ₁₃	+0.64 ₁₁	+0.73 ₇	+0.99 ₁₁	+0.86 ₁₁	+0.68 ₁₁	+0.71 ₁₂	+0.78 ₈₅
+90 to +50.....		+0.22 ₂₈	+0.13 ₁₅	+0.08 ₂₂	+0.06 ₂₁	+0.07 ₂₁	+0.15 ₂₅	+0.23 ₂₄	+0.31 ₂₀	+0.16 ₁₇₄
+30 to -20.....		+0.68 ₃₅	+0.73 ₄₅	+0.58 ₃₆	+0.54 ₂₉	+0.70 ₂₉	+0.72 ₃₈	+0.69 ₃₄	+0.72 ₄₀	+0.68 ₂₈₆

Δδ (Washington-Boss).

R. A. Decl.		0 ^h to 3 ^h	3 ^h to 6 ^h	6 ^h to 9 ^h	9 ^h to 12 ^h	12 ^h to 15 ^h	15 ^h to 18 ^h	18 ^h to 21 ^h	21 ^h to 24 ^h	0 ^h to 24 ^h
°	°	"	"	"	"	"	"	"	"	"
+63 s. P. to +70 s. P. . .		-0.09 ₇	+0.21 ₃	+0.12 ₇	+0.15 ₇	-0.12 ₄	+0.41 ₆	+0.60 ₃	+0.11 ₃	+0.15 ₄₀
+70 s. P. to +80 s. P. . .		-0.06 ₇	+0.05 ₅	+0.03 ₅	-0.02 ₄	+0.12 ₈	+0.11 ₈	+0.13 ₁₂	+0.27 ₁₁	+0.10 ₆₀
+80 s. P. to +90 s. P. . .		-0.12 ₅	-0.02 ₄	-0.25 ₅	-0.04 ₄	-0.27 ₅	+0.16 ₂	-0.04 ₆	+0.11 ₄	-0.08 ₃₅
+90 to +80.....		0.00 ₅	-0.04 ₄	-0.24 ₅	+0.03 ₄	-0.01 ₅	+0.04 ₂	+0.08 ₆	+0.18 ₄	0.00 ₃₅
+80 to +70.....		+0.07 ₇	+0.09 ₅	-0.01 ₅	+0.08 ₄	+0.06 ₈	+0.12 ₈	+0.25 ₁₂	+0.24 ₁₁	+0.14 ₆₀
+70 to +60.....		+0.13 ₁₁	+0.20 ₉	+0.09 ₁₀	+0.14 ₉	+0.10 ₇	+0.15 ₈	+0.26 ₇	+0.25 ₈	+0.16 ₆₉
+60 to +50.....		+0.46 ₁₂	+0.29 ₈	+0.17 ₁₀	+0.32 ₉	+0.40 ₁₀	+0.44 ₁₀	+0.49 ₈	+0.17 ₁₁	+0.34 ₇₈
+50 to +40.....		+0.52 ₁₂	+0.56 ₁₄	+0.52 ₁₀	+0.64 ₉	+0.79 ₁₂	+0.53 ₁₆	+0.66 ₁₂	+0.66 ₁₆	+0.61 ₁₀₁
+40 to +30.....		+0.62 ₁₀	+0.73 ₁₀	+0.64 ₉	+0.49 ₁₁	+0.71 ₁₀	+0.67 ₂₀	+0.63 ₁₉	+0.65 ₁₄	+0.64 ₁₀₃
+30 to +20.....		+0.58 ₁₇	+0.72 ₁₆	+0.67 ₂₂	+0.60 ₈	+0.72 ₁₁	+0.86 ₁₃	+0.91 ₁₄	+0.91 ₁₄	+0.74 ₁₁₅
+20 to +10.....		+0.99 ₁₂	+0.74 ₁₆	+0.81 ₁₉	+0.96 ₁₆	+0.95 ₁₃	+0.93 ₁₄	+1.00 ₂₁	+1.01 ₈	+0.92 ₁₁₉
+10 to 0.....		+0.81 ₂₃	+0.95 ₁₆	+0.81 ₁₁	+0.77 ₂₀	+0.78 ₁₀	+0.93 ₁₁	+0.96 ₁₃	+0.81 ₁₉	+0.85 ₁₂₃
0 to -10.....		+0.90 ₁₃	+0.80 ₂₁	+0.63 ₇	+0.88 ₁₁	+0.86 ₁₆	+0.89 ₇	+0.84 ₁₄	+0.83 ₁₉	+0.84 ₁₀₈
-10 to -20.....		+0.74 ₈	+0.70 ₉	+0.54 ₉	+0.76 ₉	+0.74 ₁₆	+0.91 ₁₆	+0.80 ₁₄	+0.78 ₁₆	+0.76 ₉₇
-20 to -35.....		+0.87 ₁₆	+0.66 ₁₉	+0.69 ₂₂	+0.89 ₁₁	+0.84 ₂₁	+0.90 ₂₇	+0.87 ₂₇	+0.75 ₂₇	+0.81 ₁₇₀
+90 to +50.....		+0.21 ₃₅	+0.17 ₂₆	+0.04 ₃₀	+0.18 ₂₆	+0.17 ₃₀	+0.24 ₂₈	+0.28 ₃₃	+0.21 ₃₄	+0.19 ₂₄₂
+30 to -20.....		+0.80 ₇₃	+0.79 ₇₈	+0.71 ₆₈	+0.82 ₆₄	+0.81 ₆₆	+0.91 ₆₁	+0.91 ₇₆	+0.85 ₇₆	+0.82 ₅₆₂

As the stars of HEDRICK's catalogue form a zone extending about 8° on each side of the ecliptic, they can not advantageously be divided into areas by circles parallel and perpendicular to the equator, as the stars of the catalogues of NEW-

COMB, AUWERS, and BOSS have just been treated. Two separate tables are therefore presented, one in which the argument is the declination of the star and the other the right ascension.

$\Delta\delta$ (Washington-Hedrick).

Decl.	$\Delta\delta$
° °	"
+31 to +21	+0.55 ₁₇₇
+21 to +15	+0.38 ₂₀₉
+15 to +6	+0.62 ₁₅₁
+6 to -6	+0.67 ₁₇₃
-6 to -15	+0.46 ₁₆₉
-15 to -21	+0.52 ₁₈₀
-21 to -30	+0.62 ₂₁₉
+31 to -30	+0.54

$\Delta\delta$ (Washington-Hedrick).

R. A.	0 ^h to 3 ^h	3 ^h to 6 ^h	6 ^h to 9 ^h	9 ^h to 12 ^h	12 ^h to 15 ^h	15 ^h to 18 ^h	18 ^h to 21 ^h	21 ^h to 24 ^h	0 ^h to 24 ^h
$\Delta\delta$	"	"	"	"	"	"	"	"	"
	+0.44 ₁₃₉	+0.58 ₁₉₁	+0.43 ₁₅₈	+0.59 ₁₂₂	+0.66 ₁₃₇	+0.51 ₁₈₉	+0.67 ₁₈₂	+0.45 ₁₅₉	+0.54

Had the Pulkowa refractions been adopted, uncorrected, for the final star positions, the corrections to the above catalogues would have been less, the amount of the diminution at the equator being 0''.30. At the same time, however, the corrections from +30° to -30° declination would have varied noticeably with the zenith distance.

Within 30° of the pole the corrections to the declinations of the three general catalogues as given by the Washington observations are practically the same for each, varying from zero at the pole to about +0''.2 at 60° north declination. For stars south of 30° north declination the approximate mean corrections are +0''.5 for NEWCOMB, +0''.7 for AUWERS, and +0''.8 for BOSS. The individual corrections vary from these means hardly more than 0''.1.

The large change in the value of the observed corrections to these catalogues in passing from 30° to 60° north declination can not be attributed to a discontinuity in the Washington observations at the zenith, as this subject was thoroughly investigated and such a discontinuity guarded against, see page A cxvi et seq.; also the corrections contiguous to the Washington zenith indicate the nonexistence of such a discontinuity. Further, the constancy of the corrections from 20° zenith distance at Washington to the horizon both north of the zenith and south of it eliminates the possibility of attributing the large change in the corrections near the zenith to errors in the adopted flexure or refraction. The only plausible explanation that has suggested itself is that there exist in various observational catalogues used in the formation of these general catalogues discontinuities at their several zeniths, most of which lie between 30° and 60° north of the equator. That such discontinuities exist in at least two catalogues is shown by Professor EICHELBERGER in Publications of the Astronomical and Astrophysical Society of America, Volume II, page 170.

The foregoing results indicate also that the declinations of the fundamental catalogues of NEWCOMB, AUWERS, and BOSS are relatively too far north at about nine hours right ascension. The declinations from the Alt-azimuth observations, Publications of the United States Naval Observatory, Second Series, Volume VIII, and those obtained with the Greenwich Transit Circle, Monthly Notices, R. A. S., January, 1916, page 216, give the same indication.

THE SUN.

The methods of reduction of the Sun observations are identical with those of the stars, fully described in the previous pages, except as to adopted clock corrections, correction for personal equation, and correction for parallax. The method of adopting the clock correction is given on page A XXXVIII and the correction for parallax was taken from Table XVII, Appendix II, Volume IV, Publications of the United States Naval Observatory, Second Series. The final results, pages A 3 to A 24, are published without the application of any correction for personal equation, though in the following discussion the personal equations deduced below have been included.

PERSONAL EQUATION IN RIGHT ASCENSION.

Results with the personal equation machine.—To obtain the personal equation of the observers in observing the time of transit of the Sun to determine the right ascension of its center, a series of observations was made from February 19 to April 3, 1913, with the personal equation machine, page A xv, by the three observers then assigned to the 9-inch transit circle. These observations gave the following corrections to be applied to the observed time of transit of the center of the Sun, resulting from the half sum of the observed times of transit of the two limbs:

Observer.	Correction.
	s
Littell.....	−0.067
Morgan.....	+0.087
Pawling.....	−0.049

To obtain the corrections to be applied to the right ascension of the center of the Sun as reduced with clock corrections from star transits, it is necessary to subtract from these quantities those applicable to the time of transit of a star, page A LVII. Assuming 1.04 as a mean value of the secant of the Sun's declination for the year, the quantities to be subtracted are $-0^s.132$, $-0^s.031$, and $-0^s.065$, respectively, giving the following table:

Observer.	$\Delta\alpha_0$
	s
Littell.....	+0.065
Morgan.....	+0.118
Pawling.....	+0.016

Differences in right ascension from observations of the Sun by different observers.—After all the previously deduced corrections, except those for personal equation, had been applied to the observed right ascensions of the Sun, means were formed for each calendar month by observers, and the differences between these means for each pair of observers working during the month under consideration. Finally the monthly means for each pair of observers were combined into a single mean with the results given in the column *Obs'd.* of the following table. The column *Corr'd.* gives the differences after the finally adopted corrections for personal equation had been applied to the observed right ascensions. The weights are assigned according to the number of observations.

Differences in the Observed Right Ascensions of the Sun, by Different Observers.

Observers.	Difference.			Observers.	Difference.			Observers.	Difference.		
	Obs'd.	Corr'd.	Wt.		Obs'd.	Corr'd.	Wt.		Obs'd.	Corr'd.	Wt.
L.—R.	—0.002	+0.030	16	Br.—T.	—0.014	—0.020	7	M.—Hl. ²	—0.005	+0.004	34
L.—Br.	+0.004	+0.010	7	Br.—Y.	—0.007	+0.002	28	M.—P.	—0.100	—0.001	196
L.—M.	+0.073	+0.009	129	Br.—Hl.	+0.076	+0.015	47	M.—Fk.	—0.012	+0.013	25
L.—P.	—0.035	0.000	131	Br.—Bs.	—0.045	—0.004	33	Hl.—Bs.	—0.097	+0.005	32
R.—Br.	+0.036	+0.010	42	M.—T.	—0.053	+0.011	13	Hl.—P.	—0.068	+0.022	43
R.—M.	+0.098	+0.002	28	M.—Y.	—0.081	—0.002	30	P.—Fk.	+0.063	—0.011	31
Br.—M.	+0.068	—0.002	77	M.—Hl. ¹	+0.031	+0.040	8				

By combining these results with those ($\Delta\alpha_{\odot}$) obtained for L., M., and P., by the use of the personal equation machine, giving each of these three results a weight 200, a least square solution gave the following corrections to observed right ascensions of the Sun's center:

Personal Equation Corrections to Observed Right Ascensions of Sun's Center.

Observer.	Corr.	Observer.	Corr.	Observer.	Corr.
	^s		^s		^s
L.	+0.057	T.	+0.057	Bs.	+0.010
R.	+0.025	Y.	+0.042	P.	+0.022
Br.	+0.051	Hl.	+0.112	Fk.	+0.096
M.	+0.121				

From the above table it is seen that each of the 10 observers observes the Sun relatively earlier than he does a star by amounts varying for the different observers from 0^s.01 to 0^s.12.

OBSERVED RIGHT ASCENSIONS.

The preceding corrections for personal equation were applied to the corrections to the ephemeris right ascension of the Sun as given in column 8, pages A 3 to A 24, the resulting corrections were divided into groups of 9, 10, or 11 observations, and the group means formed with the following results:

¹ For the year 1905.

² For the years 1907 and 1908.

Corrections, by Groups, to the Ephemeris Right Ascensions of the Sun, Corrections to Eliminate the Observer's Personal Equation Having Been Applied.

Mean Date.		$\Delta\alpha$	Mean Date.		$\Delta\alpha$	Mean Date.		$\Delta\alpha$	Mean Date.		$\Delta\alpha$	Mean Date.		$\Delta\alpha$													
Clamp West.			1905		s	1907			s	1909			s														
1903			May	25.4	+0.029	Nov.			21.7	+0.067	July			24.8	+0.111												
Sept.			13.4	+0.081	Dec.			22.2	+0.097	Aug.			9.2	+0.096													
Oct.			1.3	+0.091	1908						28.0			+0.114													
28.5			+0.091	Clamp West.			Jan.			17.8	+0.087	Sept.			17.1	+0.094											
Nov.			17.7	+0.072				Feb.			26.4	+0.094	Oct.			5.6	+0.121										
Dec.			11.8	+0.063				Mar.			21.9	+0.044	21.6			+0.136											
1904						Aug.			27.8	+0.040	Nov.			3.0	+0.148												
Jan.			2.9	+0.036	Sept.			19.9	+0.025	22.6			+0.113														
Feb.			9.0	+0.030	Oct.			13.3	+0.014	Dec.			11.5	+0.090													
Mar.			7.8	+0.061	Nov.			7.3	+0.048	Clamp West.			1910														
Apr.			2.4	+0.072	28.7			+0.026	May			13.8	+0.080	Jan.			1.7	+0.101									
25.4			+0.042	Dec.			22.2	+0.045	June			5.3	+0.048	Feb.			3.7	+0.110									
May			18.1	+0.049	1906			23.9			+0.091	Mar.			11.4	+0.086											
June			9.6	+0.060	Jan.			19.5	+0.028	July			15.3	+0.063	28.2			+0.069									
28.7			+0.064	Feb.			16.4	+0.105	Aug.			8.3	+0.099	Apr.			14.9	+0.034									
July			20.5	+0.068	Mar.			17.8	+0.052	28.9			+0.095	30.6			+0.046										
Aug.			7.3	+0.044	Apr.			23.1	+0.036	Sept.			16.8	+0.115	May			17.8	+0.062								
Clamp East.						June			19.0	+0.066	Oct.			11.6	+0.108	June			5.0	+0.066							
Sept.			16.0	+0.066	July			2.9	+0.061	29.7			+0.114	28.2			+0.054	July			19.4	+0.075					
Oct.			2.6	+0.061	Aug.			30.6	+0.079	Nov.			15.5	+0.094	Aug.			3.8	+0.054	Aug.			3.8	+0.054			
20.6			+0.054	Oct.			4.8	+0.067	Dec.			10.5	+0.092	20.9			+0.053	20.9			+0.053						
Nov.			7.6	+0.066	Clamp East.			1909			Jan.			14.8	+0.107	Sept.			13.3	+0.142							
29.5			+0.059	1907			Jan.			14.8	+0.107	Feb.			7.3	+0.084	28.4			+0.110							
Dec.			26.7	+0.081	Apr.			29.3	+0.036	Mar.			8.6	+0.071	Oct.			15.3	+0.112								
1905						May			21.9	+0.014	27.6			+0.082	Nov.			3.1	+0.104								
Jan.			23.6	+0.069	June			16.1	+0.053	Apr.			16.4	+0.058	24.0			+0.086									
Feb.			17.1	+0.043	July			4.3	+0.036	Clamp East.			Dec.			16.9	+0.082										
Mar.			13.7	+0.037	26.8			+0.079	1911			Jan.			11.6	+0.090											
Apr.			2.8	+0.006	Aug.			17.0	+0.087	May			26.9	+0.081	Feb.			7.1	+0.080								
23.5			+0.022	Sept.			10.0	+0.097	June			22.3	+0.086	Mar.			10.0	+0.059									
May			10.1	+0.067	Oct.			3.3	+0.091	July			6.6	+0.102	29.5			+0.064									
						17.4			+0.110																		
						31.6			+0.115																		

Except for the year 1905-6, a maximum correction to the ephemeris right ascension of the Sun occurs in the autumn, or 1904-5, early winter, with a minimum occurring from four to six months later, the annual range varying from $0^s.06$ to $0^s.11$. The corrections, 1907 to 1911, can be fairly well represented by the expression

$$\Delta\alpha = +0^s.084 \pm ^s.002 - (0^s.020 \pm ^s.002) \cos \alpha - (0^s.017 \pm ^s.002) \sin \alpha$$

the sum of the squares of the residuals being one-half the sum of the squares of the original corrections. The corrections, 1903 to 1906, however, show almost no evidence whatever of varying according to the sine or cosine of the right ascension of the Sun.

PERSONAL EQUATION IN DECLINATION.

Results with an artificial Sun.—To obtain the personal equation of the observers in observing the Sun to determine the declination of its center, a series of observations was made from April 25 to 30, 1911, by the three observers then assigned to the 9-inch transit circle. A cardboard model was mounted on the south wall of the north meridian mark house, consequently being nearly in the focus of the north mark lens, such that when viewed with the transit circle through the mark lens its image represented in size and appearance the image of the Sun. Measures on the limbs of the artificial Sun in both positions of the reversing prism attached to the eye end of the transit circle gave the following corrections to be applied to the observed declination of the center of the Sun resulting from the half sum of the observed declinations of the north and south limbs, respectively:

Observer.	Correction.
	"
Littell.....	-0.34
Morgan.....	+0.01
Pawling.....	-0.09

Differences in declination from observations of the Sun by different observers.—After all the previously deduced corrections, except those for personal equation, had been applied to the observed declinations of the Sun means were formed for each calendar month by observers and the differences between these means for each pair of observers working during the month under consideration. Finally the monthly means for each pair of observers were combined into a single mean with the results given in the column *Obs'd.* of the following table. The column *Corr'd.* gives the differences after the finally adopted corrections for personal equation had been applied to the observed declinations.

Differences in the Observed Declination of the Sun by Different Observers.

Observers.	Difference.			Observers.	Difference.			Observers.	Difference.		
	Obs'd.	Corr'd.	Wt.		Obs'd.	Corr'd.	Wt.		Obs'd.	Corr'd.	Wt.
	"	"			"	"			"	"	
L.-R.	+0.54	+0.01	17	Br.-T.	+0.31	+0.07	4	M.-Hl. ²	-0.80	-0.33	38
L.-Br.	+0.59	+0.37	8	Br.-Y.	+0.28	+0.02	27	M.-P.	-0.36	-0.06	201
L.-M.	+0.50	+0.03	139	Br.-Hl.	-0.08	+0.14	46	M.-Fk.	-0.62	+0.02	26
L.-P.	+0.14	-0.03	140	Br.-Bs.	-0.17	+0.09	31	Hl.-Bs.	-0.12	-0.08	33
R.-Br.	-0.18	+0.13	45	M.-T.	-0.05	-0.04	8	Hl.-P.	+0.08	-0.09	48
R.-M.	-0.24	-0.18	28	M.-Y.	-0.01	-0.02	30	P.-Fk.	-0.35	-0.01	32
Br.-M.	+0.22	-0.03	74	M.-Hl. ¹	-0.63	-0.16	10				

By combining these results with those obtained for L., M., and P. by the use of the artificial Sun, giving each of these three results a weight of 200, a least square solution gave the following corrections to observed declinations of the Sun's center:

Personal Equation Corrections to Observed Declinations of Sun's Center.

Observer.	Corr.	Observer.	Corr.	Observer.	Corr.
	"		"		"
L.	-0.35	T.	+0.11	Bs.	-0.39
R.	+0.18	Y.	+0.13	P.	-0.18
Br.	-0.13	Hl.	-0.35	Fk.	-0.52
M.	+0.12				

By comparing these quantities with the corresponding ones for south stars in the table on page A CXXII it is noted that the sign of the bisection corrections for the Sun and the star observations is in general the same for any observer though the absolute values in some cases are quite different.

OBSERVED DECLINATIONS.

The preceding corrections for personal equation were applied to the corrections to the ephemeris declination of the Sun as given in column 13, pages A 3 to A 24, the resulting corrections were divided into groups of 9, 10, or 11 observations, and the group means formed with the following results:

¹ For the year 1905.² For the years 1907 and 1908.

Corrections, by Groups, to the Ephemeris Declination of the Sun, Corrections to Eliminate the Observer's Personal Equation Having Been Applied.

Mean Date.	$\Delta\delta$	Mean Date.	$\Delta\delta$	Mean Date.	$\Delta\delta$	Mean Date.	$\Delta\delta$
Clamp West.		Clamp West.		1908		1909	
1903	"	1905	"	Jan. 27.6	+0.84	Sept. 9.3	-0.04
Sept. 13.4	+0.33	Aug. 25.8	-0.60	Mar. 2.5	+0.54	27.9	0.00
Oct. 1.3	+0.36	Sept. 17.0	-0.33	25.8	+0.17	Oct. 11.2	-0.48
23.0	+0.10	30.3	-0.40	Apr. 15.0	-0.34	25.1	+0.05
Nov. 9.1	+0.62	Oct. 19.2	-0.13	Clamp West.		Nov. 7.7	-0.07
Dec. 2.2	+0.61	Nov. 11.0	+0.40			29.3	+0.60
19.1	+0.44	Dec. 3.2	+0.38			Dec. 16.8	+0.56
1904		27.2	+0.63			1910	
Jan. 16.5	+0.57	1906		May 13.8	-0.51	Jan. 5.0	+1.05
Feb. 15.2	+0.41	Jan. 25.9	+0.78	June 3.9	-0.54	Feb. 10.2	+0.50
Mar. 14.1	-0.06	Feb. 19.6	+0.54	23.7	-0.68	Mar. 11.0	+0.74
Apr. 11.6	-0.69	Mar. 20.7	+0.08	July 13.3	-0.58	26.7	+0.66
May 1.5	-0.22	Apr. 23.1	-0.06	Aug. 5.9	-0.57	Apr. 13.1	+0.16
22.7	-0.45	June 19.0	-0.18	26.8	-0.61	29.7	+0.37
June 13.0	+0.02	July 2.6	-0.38	Sept. 14.4	-0.04	May 16.8	+0.12
29.5	-0.21	Sept. 3.3	-0.63	Oct. 6.7	+0.16	June 5.0	+0.38
July 18.9	+0.31	Oct. 4.8	-0.92	26.0	-0.23	25.0	-0.36
Aug. 7.3	-0.04	Clamp East.		Nov. 12.5	+0.03	July 13.8	-0.02
Clamp East.		Clamp East.		Dec. 1.7	-0.09	30.8	+0.82
Sept. 14.6	+0.70	1907		31.0	+0.36	Aug. 14.0	+0.48
29.6	+0.30	May 1.6	+0.33	1909		Sept. 3.3	+0.36
Oct. 17.1	+0.07	20.4	+0.58	Jan. 27.4	+0.26	18.7	+0.31
Nov. 1.9	+0.75	June 16.1	-0.29	Feb. 19.3	+0.06	Oct. 3.6	+0.81
25.4	+0.55	July 6.8	-0.08	Mar. 16.4	-0.16	19.8	+0.38
Dec. 23.9	+1.00	30.4	+0.01	Apr. 2.4	-0.48	Nov. 8.2	+0.35
1905		Aug. 21.5	-0.01	20.6	-0.33	26.4	+0.58
Jan. 21.7	+1.00	Sept. 13.2	+0.36	Clamp East.		Dec. 16.2	+1.00
Feb. 15.2	+0.95	Oct. 3.8	+0.54			1911	
Mar. 11.1	+0.41	18.9	+0.33			Jan. 9.4	+1.14
Apr. 1.1	+0.10	Nov. 4.6	+0.72			30.5	+0.82
21.5	+0.33	26.1	+0.82			Feb. 22.1	+1.04
May 8.7	+0.09	Dec. 29.3	+0.89			Mar. 16.4	+0.63
25.4	+0.52			May 22.2	-0.43	30.4	+0.50
June 11.6	+0.17			June 17.6	-0.32		
				July 1.7	+0.02		
				19.7	-0.14		
				Aug. 5.5	-0.07		
				23.7	-0.09		

The above corrections to the ephemeris declinations of the Sun show a decided annual variation, the maximum correction occurring near the winter solstice and the minimum near the summer, the amount of the variation ranging from 1'' to nearly 2''.

Such an annual variation in the correction from observation to the ephemeris declination of the Sun will arise if the observations are reduced with the wrong refraction or if the ephemeris is not computed with the true obliquity of the ecliptic.

Let α =right ascension of Sun.

z =zenith distance of Sun.

ϵ =obliquity of the ecliptic.

$\Delta\delta$ =correction to the ephemeris declination of the Sun, given by observation, the Pulkowa Refractions minus $0''.134 \tan z$ being used in the reductions.

Δr =correction to the adopted refraction at 45° zenith distance.

$\Delta\epsilon$ =correction to the ephemeris value of the obliquity of the ecliptic.

$\Delta\lambda$ =correction to the ephemeris value of the longitude of the Sun.

Δ_m =mean difference, by clamp years, between the observed and the ephemeris declinations of the Sun.

$\Delta'\delta = \Delta\delta - \Delta_m$ =that portion of the difference between the observed and the ephemeris declinations of the Sun, which is periodic.

Then the ephemeris declination of the Sun should receive the correction

$$(\sin \epsilon \Delta\lambda) \cos \alpha + \Delta\epsilon \sin \alpha$$

and the observed declination of the Sun should receive the correction

$$-\Delta r \tan z$$

Subtracting these two expressions, equating the result to $\Delta'\delta = \Delta\delta - \Delta_m$, and transposing Δ_m we obtain the following form for the equation of condition,

$$\Delta_m + (\sin \epsilon \Delta\lambda) \cos \alpha + \Delta\epsilon \sin \alpha + \Delta r \tan z = \Delta\delta$$

from which can be determined Δ_m , $\Delta\lambda$, $\Delta\epsilon$, and Δr .

Because of the correlation between the coefficients $\sin \alpha$ and $\tan z$ the quantities $\Delta\epsilon$ and Δr can be determined simultaneously from these equations only with small weight. It was therefore decided to solve for Δ_m , $\Delta\epsilon$, and $\Delta\lambda$ in terms of Δr , to determine Δ_m separately for each clamp year, and to determine $\Delta\epsilon$ and $\Delta\lambda$ independently for the years 1903–1906 and 1907–1911.

The following results were obtained from least square solutions:

1903–1906

$$\begin{aligned} \Delta_m (1903-4) &= +0.155 \pm 0.048 - 0.946 \Delta r \\ \Delta_m (1904-5) &= +0.454 \pm 0.052 - 0.917 \Delta r \\ \Delta_m (1905-6) &= -0.067 \pm 0.051 - 0.920 \Delta r \\ \Delta\lambda &= +0.237 \pm 0.098 - 0.048 \Delta r \\ \Delta\epsilon &= -0.415 \pm 0.044 + 0.789 \Delta r \\ [nn] &= 7.42 \quad [vv] = 4.03 \end{aligned}$$

1907–1911

$$\begin{aligned} \Delta_m (1907-8) &= +0.374 \pm 0.048 - 0.928 \Delta r \\ \Delta_m (1908-9) &= -0.209 \pm 0.046 - 0.932 \Delta r \\ \Delta_m (1909-11) &= +0.363 \pm 0.032 - 0.936 \Delta r \\ \Delta\lambda &= +0.286 \pm 0.078 - 0.017 \Delta r \\ \Delta\epsilon &= -0.410 \pm 0.034 + 0.777 \Delta r \\ [nn] &= 11.08 \quad [vv] = 5.43 \end{aligned}$$

Substituting various values of Δr in the above expressions, the sum of the squares of the residuals was computed in each case, and this sum was found to be a minimum for 1903–1906, when $\Delta r = +1''.1$, and for 1907–11 when $\Delta r = +0''.1$, the sum remaining practically constant, however, for a variation of Δr of $0''.3$ on each side of the value giving the minimum sum. The most probable value of Δr , if a single value is sought from the entire series of observations is $+0''.6$, and the various values of the sum of the squares of the residuals for the different values of Δr follow.

Δr	0.0	+0.1	+0.6	+1.1
[<i>vv</i>] (1903–1906).....	4.03	....	3.58	3.45
[<i>vv</i>] (1907–1911).....	5.43	5.43	5.58	....

Does this value of $\Delta r = +0''.6$ indicate that the refractions south of the zenith at Washington are different from those north of the zenith, or that the refractions by day are different from those by night? Other evidence bearing on the first supposition is obtained from the result of comparing the zodiacal star observations made at Washington with those made at the Cape of Good Hope, page A CXXX. From a discussion of these two sets of observations, a correction to the Pulkowa refractions was obtained for Washington, $\Delta R = -0''.201$, while the discussion of the circumpolar observations gave, page A CXXX, $\Delta R = -0''.134$. These two results indicate that the southern observations at Washington require an additional correction for refraction over that required by the northern observations of

$$\Delta r = -0''.07$$

of opposite sign to that given by the Sun observations and about one-tenth the size.

Further, if the observed declinations of the Sun must be reduced with a larger constant of refraction than that deduced from circumpolar star observations, because they are observed on the opposite side of the zenith from the circumpolars the same should be true of the observed declinations of the Moon. A discussion of these declinations, page A CLIX et seq., similar to that just given for those of the Sun, gives

$$\Delta r = -0''.85$$

of opposite sign to the value obtained from the observations of the Sun, and of slightly larger amount. It is therefore concluded that there is no definite evidence, in this series of observations, of any material difference in the refraction at Washington south of the zenith from that to the north.

Returning to the second suggested explanation, that the refraction by day is different from that at night, the value $\Delta r = +0''.6$ would require that the zenith distance of a star deduced from daylight observations should be less than that deduced from night observations when both sets of observations are reduced with the same refraction. Actual observations of a dozen stars by day and at night, pages A LXXXV to A LXXXVII, show decidedly the opposite results.

Moreover, since the discussion of the observed declinations of the Moon gives a correction to the refraction, $\Delta r = -0''.85$, which is practically inadmissible, as is shown when the effect of such a change in the refraction upon the declination of the stars is studied, page A CLXI, it seems highly probable that the similarly deduced value from the observed declinations of the Sun, $\Delta r = +0''.6$, may be safely disregarded.

A closer inspection of the Sun residuals in declination indicated a variation of six months period in addition to the annual one, so a new solution was made introducing into the equation of condition a term of this period, $k \cos 2(\alpha - K)$. The solution for the three years, 1903-1906, gave $0''.222 \cos 2(\alpha - 108^\circ.1)$ and that for the four years, 1907-1911, gave $0''.112 \cos 2(\alpha - 131^\circ.2)$. However, as the introduction of the two additional unknowns, k and K , into the equations of condition made no marked improvement in the residuals, and changed the original values of $\Delta \epsilon$ and $\Delta \lambda$ only $0''.01$ in three out of the four values and $0''.09$ in the fourth, it was decided to adopt the previous solutions, with $\Delta r = 0$, as final.

The adopted results from a discussion of the observed declinations of the Sun are, therefore,

1903-1906	1907-1911
$\Delta m(1903-4) = +0.155 \pm 0.048$	$\Delta m(1907-8) = +0.374 \pm 0.048$
$\Delta m(1904-5) = +0.454 \pm 0.052$	$\Delta m(1908-9) = -0.209 \pm 0.046$
$\Delta m(1905-6) = -0.067 \pm 0.051$	$\Delta m(1909-11) = +0.363 \pm 0.032$
$\Delta \lambda = +0.237 \pm 0.098$	$\Delta \lambda = +0.286 \pm 0.078$
$\Delta \epsilon = -0.415 \pm 0.044^1$	$\Delta \epsilon = -0.410 \pm 0.034^1$

Grouping the six values of Δm by clamps we have

Clamp West.	Clamp East.
$\Delta m(1903-4) = +0.155$	$\Delta m(1904-5) = +0.454$
$\Delta m(1905-6) = -0.067$	$\Delta m(1907-8) = +0.374$
$\Delta m(1908-9) = -0.209$	$\Delta m(1909-11) = +0.363$
$\Delta m(\text{Cl. W.}) = -0.04$	$\Delta m(\text{Cl. E.}) = +0.40$

a difference, W.-E., of $-0''.44$, although the observations were corrected for clamp difference, page A CXXVI.²

CORRECTION TO THE EQUINOX.

Adopting the method of treatment and notation of Professor NEWCOMB in his Compendium of Spherical Astronomy, § 173,

$$E = \Delta \lambda - \Delta \alpha$$

where

E = the correction to the equinox of the definitive clock system.

$\Delta \lambda$ = the correction to the ephemeris longitude of the Sun, deduced from the observed declinations.

$\Delta \alpha$ = the correction to the ephemeris right ascension of the Sun, deduced from the observed right ascensions.

then

$$E = +0''.016 - 0''.054 = -0''.038 \quad \quad \quad E = +0''.019 - 0''.085 = -0''.066$$

and the mean of these two values, was adopted

$$E = -0''.052$$

¹ A similar treatment of the Moon's observed declinations, pages A 25 to A 42, gives a correction to the ephemeris obliquity of the ecliptic of $-0''.54$. An inspection of the observed declinations of Mercury and Venus, pages A 42 to A 62, indicates a correction to the ephemeris obliquity of the ecliptic of about the same size as that given by the Sun's declinations, and about one-third of that size, respectively.

² The clamp difference in the observed declination of the Moon, page A CLXII, is, W.-E., $+0''.04$.

If this correction be applied to the right ascensions of the *Definitive Clock System*, pages A LIV to A LV, the mean difference *Definitive Clock System minus Newcomb's Fundamental Catalogue* given on page A LV as $+0^s.028$ will become $-0^s.024$.¹

CORRECTION TO THE EPHEMERIS SEMIDIAMETER.

The following mean corrections to the sidereal time of semidiameter passing the meridian, and to the vertical semidiameter, $16' 1''.50$ at unit distance, as given in the annual volumes of the American Ephemeris are obtained from columns 7 and 12, respectively, pages A 3 to A 24.

Observer.	Right Ascension.		Declination.	
	Corr.	No. Obs.	Corr.	No. Obs.
	s		"	
Littell.....	+0.028	161	-0.37	172
Rice.....	-0.014	47	-0.78	53
Brown.....	+0.014	139	-0.27	141
Morgan.....	-0.026	302	-1.12	315
Turner.....	-0.048	12	-0.91	13
Yowell.....	-0.050	26	-0.71	26
Hall.....	-0.007	106	-1.12	106
Boss.....	+0.004	40	-0.47	44
Pawling.....	+0.030	232	-0.62	242
Frederick.....	-0.031	35	-0.76	33
Mean (by observations).....	+0.001	1100	-0.73	1145
Mean (by observers).....	-0.010	....	-0.71	....

THE MOON.

The methods of reduction of the Moon observations are identical with those of the stars, fully described in the previous pages, except as to adopted clock correction, correction for personal equation, and corrections for semidiameter, defective illumination, and parallax. The method of adopting the clock correction is given on page A xxxviii, and the corrections for semidiameter, defective illumination, and parallax were computed by the aid of Tables XV, XVI, and XVIII to XXII, Appendix II, Volume IV, Publications of the United States Naval Observatory, Second Series. The final results, pages A 25 to A 42 are published without the application of any correction for personal equation.

On the same pages with the final results, in addition to the corrections which they furnish to the positions of the American Ephemeris, are given the corrections to the positions from manuscript tables prepared by Dr. F. E. Ross in the Nautical Almanac Office. They are based upon the latest lunar work by NEWCOMB, BROWN, and HILL. In the following discussion the corrections to the positions computed

¹ If in obtaining the correction by observation, $\Delta\alpha$, to the ephemeris right ascension of the Sun, no correction had been applied to the observations for the difference in personal equation in observing the transit of the Sun and that of a clock star, the correction to the equinox would have come out $+0^s.018$, and the difference, *Definitive Clock System minus NEWCOMB'S Fundamental Catalogue*, by the application of the equinox correction would have changed from $+0^s.028$ to $+0^s.046$.

from these manuscript tables are always used and without any correction for personal equation.

OBSERVED RIGHT ASCENSIONS.

The following table contains for each clamp year, $\Delta\alpha_I$, the mean of all the corrections from observations of Limb I when the transit occurred between sunset and midnight; $\Delta\alpha_{II}$, the mean of all the corrections from observations of Limb II when the transit occurred between midnight and sunrise; $\frac{1}{2}(\Delta\alpha_{II} + \Delta\alpha_I)$, the mean correction to the right ascension of the center of the Moon; and $\frac{1}{2}(\Delta\alpha_{II} - \Delta\alpha_I)$, the correction to the American Ephemeris value of the sidereal time of transit of the semidiameter.

Corrections, by Clamp Years, to the Tabular Right Ascension of the Moon.

Clamp Year.	Clamp.	$\Delta\alpha_I$	$\Delta\alpha_{II}$	$\frac{\Delta\alpha_{II} + \Delta\alpha_I}{2}$	$\frac{\Delta\alpha_{II} - \Delta\alpha_I}{2}$
		$\begin{smallmatrix} \text{W} \\ \text{E} \end{smallmatrix}$	$\begin{smallmatrix} \text{S} \\ \text{S} \end{smallmatrix}$	$\begin{smallmatrix} \text{S} \\ \text{S} \end{smallmatrix}$	$\begin{smallmatrix} \text{S} \\ \text{S} \end{smallmatrix}$
1903-4.....	W.	+0.041	-0.095	-0.027	-0.068
1904-5.....	E.	+0.045	-0.104	-0.030	-0.074
1905-6.....	W.	+0.038	-0.102	-0.032	-0.070
1907-8.....	E.	+0.052	-0.052	0.000	-0.052
1908-9.....	W.	+0.074	+0.053	+0.064	-0.010
1909-10.....	E.	+0.115	+0.074	+0.094	-0.020
1910-11.....	E.	+0.188	+0.081	+0.134	-0.054
Mean.....					-0.050

The same result for the mean correction to the ephemeris value of the sidereal time of transit of the semidiameter, $-0^s.05$, is obtained from the 21 observations in which both Limb I and Limb II were observed at the same transit.

Using only the observations made after sunset and before sunrise, a mean correction was formed for each lunation, after applying $-0^s.05$ to all results from Limb I observations and $+0^s.05$ to all results from Limb II observations.

Corrections, by Lunations, to the Tabular Right Ascension of the Moon.

Full Moon.	$\Delta\alpha$	No. Obs.	Full Moon.	$\Delta\alpha$	No. Obs.	Full Moon.	$\Delta\alpha$	No. Obs.
Clamp West.			1906			Dec. 7	^s +0.02	8
1903	^s		Jan. 9	+0.04	6	1909		
Sept. 6	-0.07	4	Feb. 8	+0.06	7	Jan. 5	-0.02	8
Oct. 5	+0.06	6	Mar. 10	-0.04	5	Feb. 4	-0.01	7
Nov. 4	-0.01	10	Apr. 8	-0.06	6	Mar. 6	+0.05	8
Dec. 4	-0.02	12	May 7	-0.06	2	Apr. 5	+0.13	13
1904			July 5	-0.01	3	May 4	+0.01	1
Jan. 2	+0.05	5	Sept. 2	-0.07	5	Clamp East.		
31	+0.01	7	Oct. 1	-0.07	3	June 3	+0.08	4
Mar. 1	-0.07	5	31	0.00	1	July 2	+0.01	8
30	-0.06	8	Clamp East.			Aug. 1	+0.04	8
Apr. 29	-0.05	4	1907			30	+0.06	7
May 28	-0.07	6	Apr. 27	-0.08	4	Sept. 28	+0.13	11
June 27	-0.06	5	May 26	-0.02	5	Oct. 28	+0.11	11
July 26	-0.05	7	June 25	-0.01	8	Nov. 26	+0.11	13
Clamp East.			July 24	-0.02	7	Dec. 26	+0.10	8
Sept. 24	-0.06	8	Aug. 22	+0.02	8	1910		
Oct. 23	-0.04	12	Sept. 21	+0.01	9	Jan. 24	+0.11	10
Nov. 22	+0.01	10	Oct. 20	-0.06	11	Feb. 23	+0.16	8
Dec. 22	+0.02	10	Nov. 19	-0.06	8	Mar. 25	+0.08	11
1905			Dec. 19	-0.01	10	Apr. 23	+0.16	7
Jan. 20	+0.11	7	1908			May 23	+0.16	7
Feb. 19	-0.05	9	Jan. 17	+0.08	12	June 22	+0.09	8
Mar. 20	-0.04	7	Feb. 16	-0.02	6	July 21	+0.12	7
Apr. 18	-0.03	7	Mar. 17	0.00	8	Aug. 20	+0.13	6
May 18	-0.06	6	Apr. 15	+0.06	10	Sept. 18	+0.09	8
June 16	-0.08	6	Clamp West.			Oct. 17	+0.12	10
Clamp West.			May 15	+0.08	5	Nov. 16	+0.17	7
Aug. 14	-0.09	4	June 13	+0.06	8	Dec. 15	+0.11	12
Sept. 13	-0.08	7	July 13	+0.03	6	1911		
Oct. 12	-0.06	9	Aug. 11	+0.03	6	Jan. 14	+0.12	8
Nov. 11	+0.02	8	Sept. 9	+0.09	10	Feb. 12	+0.23	5
Dec. 11	-0.05	8	Oct. 9	+0.07	7	Mar. 14	+0.19	9
			Nov. 7	+0.08	13	Apr. 12	+0.06	2

For each clamp year the corrections show a decided variation with a period of about a year. The range of the variation is about $0^s.15$, and in five out of the seven years the maximum correction occurs in the winter.

Combining the various corrections in the last table into means according to the month of observation, after allowing for the progressive change in the corrections, the following table was obtained:

Mean Annual Variation of the Correction to the Tabular Right Ascension of the Moon.

Month.	$\Delta\alpha$	Month.	$\Delta\alpha$
	s		s
January.....	+0.04	July.....	-0.03
February.....	+0.02	August.....	-0.02
March.....	0.00	September.....	-0.01
April.....	+0.01	October.....	-0.01
May.....	-0.01	November.....	+0.02
June.....	-0.04	December.....	0.00

A third arrangement of corrections was then made. In each clump year all the corrections were put into one list and arranged according to the age of the Moon at time of transit. Means were then taken of these corrections by groups, as given in the following table:

Corrections to the Tabular Right Ascension of the Moon according to the Moon's Age.

1903-4	1904-5	1905-6	1907-8	1908-9	1909-10	1910-11	1903-11	No. Obs.
Transit before Sunset.								
s	s	s	■	■	■	s	s	
+0.04	+0.07	-0.03	+0.03	+0.07	+0.12	+0.09	+0.06	66
+0.11	+0.05	+0.01	+0.08	+0.09	+0.12	+0.15	+0.09	66
Transit after Sunset and before Full Moon.								
+0.07	+0.03	-0.03	+0.03	+0.04	+0.12	+0.22	+0.07	88
+0.02	+0.08	+0.05	+0.03	+0.08	+0.11	+0.20	+0.08	89
+0.03	+0.03	+0.07	+0.09	+0.09	+0.13	+0.17	+0.09	84
+0.05	+0.05	+0.07	+0.06	+0.09	+0.10	+0.17	+0.08	83
Transit after Full Moon and before Sunrise.								
-0.10	-0.12	-0.09	-0.04	+0.05	+0.09	+0.07	-0.02	72
-0.10	-0.09	-0.05	-0.09	+0.05	+0.09	+0.09	-0.01	71
-0.10	-0.10	-0.14	-0.06	+0.03	+0.02	+0.04	-0.04	71
-0.08	-0.10	-0.12	-0.02	+0.09	+0.09	+0.13	0.00	76
Transit after Sunrise.								
-0.07	-0.13	-0.12	-0.07	0.00	-0.01	+0.05	-0.05	75
-0.04	-0.09	-0.08	-0.06	-0.04	+0.05	+0.09	-0.02	77

The corrections in the next to the last column of the preceding table clearly vary in an accidental rather than in a systematic manner, the sudden change at Full Moon being due to the fact that the American Ephemeris value of the sidereal time of transit of the semidiameter is too large by $0^s.05$. It is therefore concluded that the correction to the tabular value of the Moon's Right Ascension is independent of the Moon's age.

OBSERVED DECLINATIONS.

The following table contains for each clamp year, $\Delta\delta_N$, the mean of all the corrections from observations at which the North Limb only was observed; $\Delta\delta_S$, the mean of all the corrections from observations at which the South Limb only was observed; $\Delta\delta_{NS}$, the mean of all the corrections from observations at which both limbs were observed; $\frac{1}{2}(\Delta\delta_N + \Delta\delta_S)$; and $\frac{1}{2}(\Delta\delta_N - \Delta\delta_S)$, the correction to the American Ephemeris value of the vertical semidiameter of the Moon. Only those observations are included at which the transit occurred between sunset and sunrise, and at which the Moon was gibbous. The number of observations in each mean is given by the subscripts.

Corrections, by Clamp Years, to the Tabular Declination of the Moon.

Year.	Clamp.	$\Delta\delta_N$	$\Delta\delta_S$	$\Delta\delta_{NS}$	$\frac{\Delta\delta_N + \Delta\delta_S}{2}$	$\frac{\Delta\delta_N - \Delta\delta_S}{2}$
		"	"	"	"	"
1903-4.....	W.	-0.38 ₂₉	+0.32 ₃₃	-0.13 ₇	-0.03	-0.35
1904-5.....	E.	-0.45 ₃₂	+1.24 ₄₅	+0.16 ₁₀	+0.40	-0.84
1905-6.....	W.	-0.37 ₂₂	+1.95 ₃₉	+0.45 ₁₂	+0.79	-1.16
1907-8.....	E.	-0.32 ₃₈	+2.09 ₃₄	+0.79 ₂₆	+0.88	-1.20
1908-9.....	W.	-0.42 ₄₃	+2.04 ₃₅	+0.49 ₁₆	+0.81	-1.23
1909-10.....	E.	-0.55 ₃₅	+0.90 ₄₅	+0.14 ₁₇	+0.18	-0.72
1910-11.....	E.	-0.71 ₃₂	+0.72 ₄₂	+0.08 ₁₆	0.00	-0.72
Mean.....						-0.89

The difference in the annual change in the two sets of corrections, $\Delta\delta_N$ and $\Delta\delta_S$, is quite pronounced, the corrections $\Delta\delta_N$ remaining nearly constant throughout the series, while the corrections $\Delta\delta_S$ change rapidly and systematically, possibly on account of the varying aspects under which the very mountainous South Limb is viewed at different times due to libration.

The same result for the mean correction to the American Ephemeris value of the vertical semidiameter, $-0''.9$, is obtained from the 104 observations in which both the North Limb and the South Limb were observed at the same transit.

If the above correction to the semidiameter be applied to the corrections to the tabular declinations on pages A 25 to A 42, these corrections will be seen to go through a periodic variation monthly. In order to obtain the mean monthly variation the corrections for the several lunations in each clamp year were arranged in one list according to the right ascension of the Moon, to each correction resulting from an observation of the North Limb was applied $+0''.9$, to each correction resulting from an observation of the South Limb was applied $-0''.9$, and these corrections, together with those resulting from observations of both limbs at the same transit,

were then divided into groups of six, seven, or eight observations each. Here, again, only those observations are included at which the transit occurred between sunset and sunrise, and at which the Moon was gibbous.

Corrections, by Groups, to the Tabular Declination of the Moon.

Mean R. A.	Mean Decl.	$\Delta\delta$	Mean R. A.	Mean Decl.	$\Delta\delta$	Mean R. A.	Mean Decl.	$\Delta\delta$
Clamp West, 1903-4			h m	°	"	h m	°	"
1 13	+ 5.9	+0.13	16 41	-15.8	+1.91	21 37	-18.0	+1.06
3 13	+13.9	-0.34	20 24	-17.4	+1.06	23 12	-10.4	+1.00
4 55	+17.5	-0.70	23 7	- 7.4	+1.15	Clamp East, 1909-10		
7 14	+17.2	-0.50	Clamp East, 1907-8			0 30	- 1.8	+0.99
9 47	+ 9.9	-0.44	0 41	- 1.1	+1.51	1 46	+ 7.2	+0.60
13 1	- 4.4	+0.01	2 13	+ 8.0	+1.60	3 20	+16.7	0.00
15 48	-15.1	+0.50	4 5	+17.0	+0.06	4 54	+23.0	-0.19
17 45	-18.1	+0.70	5 43	+21.6	+0.07	6 24	+25.8	-0.13
19 59	-15.8	+0.04	7 16	+22.5	+0.13	7 44	+24.8	-0.80
22 48	- 5.6	-0.24	8 53	+19.7	-0.11	10 0	+17.4	-0.70
Clamp East, 1904-5			10 16	+14.8	+0.11	11 47	+ 6.6	-0.37
1 14	+ 4.9	+0.39	11 33	+ 7.9	+1.01	13 14	- 3.7	+0.10
3 8	+12.6	+0.57	13 33	- 4.2	+1.47	15 16	-15.8	+1.66
5 3	+17.5	-0.94	15 51	-15.5	+1.29	17 33	-24.2	+0.76
6 15	+18.5	+0.14	17 39	-21.2	+1.57	19 18	-24.9	+0.11
7 34	+17.6	+0.59	19 11	-21.7	+1.00	21 11	-20.7	+0.19
9 14	+13.7	-0.51	21 22	-17.5	+1.13	23 3	-11.6	-0.14
11 49	+ 2.8	+0.36	23 23	- 8.7	+1.04	Clamp East, 1910-11		
15 17	-12.8	+0.11	Clamp West, 1908-9			0 53	+ 2.2	-0.20
18 12	-18.4	+0.81	1 5	+ 1.5	+1.14	2 32	+13.9	+0.07
21 12	-13.5	+0.71	2 57	+13.0	+0.66	4 15	+22.6	-0.03
23 11	- 5.2	+1.61	4 42	+20.7	+0.24	6 28	+27.0	+0.30
Clamp West, 1905-6			6 8	+23.9	+0.33	8 12	+24.7	-0.13
0 40	+ 0.6	+1.99	7 32	+24.0	-0.54	10 19	+15.7	-0.97
1 54	+ 6.7	+1.14	9 24	+19.3	-0.11	12 24	+ 1.3	-0.83
3 44	+14.4	+0.04	11 27	+ 8.9	-0.33	15 3	-16.5	+0.63
5 7	+18.2	-0.74	13 6	- 1.8	+1.17	17 6	-24.8	+0.77
6 54	+19.4	+0.83	15 7	-14.2	+1.50	18 51	-26.5	-0.26
9 7	+15.5	+0.04	17 5	-21.4	+2.29	20 28	-23.8	+0.53
11 39	+ 5.1	+0.29	19 9	-23.2	+0.78	21 50	-18.4	-0.17
						23 13	-10.1	+0.27

The periodic variation in the corrections to the tabular declination of the Moon in the above table has a range of about 2'', the maximum correction occurring when the Moon is farthest south and the minimum when it is farthest north. This variation is of the same nature as that exhibited by the corrections to the ephemeris declination of the Sun, but of slightly larger amount.

If the latitude of the Moon be neglected, the corrections to its tabular places may be treated in the same manner as those to the Sun's places, and the results should not differ much from a definitive solution. Adopting the same notation as in the case of the Sun, the following results are obtained:

$$\begin{aligned}
 &1903-1906 \\
 &\quad \text{"} \quad \text{"} \\
 \Delta m(1903-4) &= -0.086 \pm 0.113 - 0.883 \Delta r \\
 \Delta m(1904-5) &= +0.434 \pm 0.109 - 0.885 \Delta r \\
 \Delta m(1905-6) &= +0.847 \pm 0.117 - 0.887 \Delta r \\
 \Delta \lambda &= +0.626 \pm 0.239 - 0.091 \Delta r \\
 \Delta \epsilon &= -0.557 \pm 0.091 + 0.574 \Delta r \\
 [nn] &= 13.07 \quad [vv] = 7.31
 \end{aligned}$$

$$\begin{aligned}
 &1907-1911 \\
 &\quad \text{"} \quad \text{"} \\
 \Delta m(1907-8) &= +0.881 \pm 0.093 - 0.928 \Delta r \\
 \Delta m(1908-9) &= +0.743 \pm 0.097 - 0.946 \Delta r \\
 \Delta m(1909-11) &= +0.070 \pm 0.067 - 0.982 \Delta r \\
 \Delta \lambda &= +0.558 \pm 0.169 - 0.385 \Delta r \\
 \Delta \epsilon &= -0.529 \pm 0.068 + 0.817 \Delta r \\
 [nn] &= 22.02 \quad [vv] = 13.13
 \end{aligned}$$

Substituting various values of Δr in the above expressions, the sum of the squares of the residuals was computed in each case, and this sum was found to be a minimum for 1903-1906 for $\Delta r = -0''.7$, and for 1907-1911 for $\Delta r = -1''.0$, the sum remaining practically constant, however, in the first case for a variation of Δr of $0''.5$, and in the second case, for a variation of Δr of $0''.2$ on each side of value giving the minimum sum. The most probable value of Δr , if a single value is sought from the entire series of observations is $-0''.85$, and the various values of the sum of the squares of the residuals for the different values of Δr follow.

Δr	$0''.0$	$-0''.7$	$-0''.85$	$-1''.0$
$[vv]$ (1903-1906)	7.31	7.28	7.28	.....
$[vv]$ (1907-1911)	13.13	.....	12.23	12.21

Such a change in the refraction as just deduced, which, if applicable to observed declinations of the Moon, must also be used in reducing the other observations secured at night, would make the observed corrections to the standard star catalogues altogether improbable. The corrections to Boss's catalogue, using the refraction obtained from the circumpolar observations, page A CXLIV, and those resulting from the refraction obtained above from the Moon observations are as follows:

Declination.	Wash.-Boss (p. A CXLIV).	Wash.-Boss $+0''.85 \tan z$.
° °	" "	" "
+40 to +30	+0.64	+0.70
+30 to +20	+0.74	+0.95
+20 to +10	+0.92	+1.29
+10 to 0	+0.85	+1.42
0 to -10	+0.84	+1.66
-10 to -20	+0.76	+1.92
-20 to -35	+0.81	+2.76

This value of Δr is further discussed in connection with the results from the observed declinations of the Sun, pages A CLIII to A CLIV.

A closer inspection of the residuals in declination indicated a variation which was a function of 2α , where α is the right ascension of the Moon, so a rediscussion of the Moon residuals was made introducing into the equation of condition a term $k \cos 2(\alpha - K)$. The solution for the three years, 1903-1906, gave $0''.127 \cos 2(\alpha - 7^\circ.5)$, and that for the four years, 1907-1911, gave $0''.426 \cos 2(\alpha - 46^\circ.3)$. As the introduction of the two additional unknowns, k and K , still leaves the residuals quite irregular and changes the values of $\Delta \epsilon$ and $\Delta \lambda$ only a few hundredths of a second of arc, it was decided to adopt the previous solutions, with $\Delta r = 0$, which follow, as final.

The adopted results from a discussion of the observed declinations of the Moon are, therefore,

1903-1906	1907-1911
$\Delta m(1903-4) = -0.086 \pm 0.113$	$\Delta m(1907-8) = +0.881 \pm 0.093$
$\Delta m(1904-5) = +0.434 \pm 0.109$	$\Delta m(1908-9) = +0.743 \pm 0.097$
$\Delta m(1905-6) = +0.847 \pm 0.117$	$\Delta m(1909-11) = +0.070 \pm 0.067$
$\Delta \lambda = +0.626 \pm 0.239$	$\Delta \lambda = +0.558 \pm 0.169$
$\Delta \epsilon = -0.557 \pm 0.091^1$	$\Delta \epsilon = -0.529 \pm 0.068^1$

The range in the six values of Δm , just given, is about 50 per cent larger than that in the corresponding six values obtained from the observed declinations of the Sun, and yet these Moon values do not exhibit the marked clamp difference, $0''.44$, that the Sun values do.

Clamp West.	Clamp East.
$\Delta m(1903-4) = -0.086$	$\Delta m(1904-5) = +0.434$
$\Delta m(1905-6) = +0.847$	$\Delta m(1907-8) = +0.881$
$\Delta m(1908-9) = +0.743$	$\Delta m(1909-11) = +0.070$
$\Delta m(\text{Cl. W.}) = +0.50$	$\Delta m(\text{Cl. E.}) = +0.46$

CORRECTION TO THE EQUINOX.

Following the notation on page A CLIV, where

$$E = \Delta \lambda - \Delta \alpha$$

the observations of the Moon give

1903-1906	1907-1911
$E = +0''.042 + 0''.030 = +0''.072$	$E = +0''.037 - 0''.073 = -0''.036$

The values of $\Delta \alpha$ used in these expressions were deduced without applying any correction for the difference in personal equation in observing the transit of a star and of the limb of the Moon, and the mean of the two results, $E = +0''.018$, is identical with that obtained from the Sun observations under similar conditions, page A CLV, footnote.

¹ These values of the correction to the obliquity of the ecliptic depend upon an equatorial horizontal parallax of the Moon $0''.45$ greater than that used in HANSEN'S Tables de la Lune. Had HANSEN'S value of the parallax been used in Ross's Tables, the correction to the obliquity of the ecliptic derived from the observed declinations of the Moon would have been about $-0''.4$, the same as gotten from the observed declinations of the Sun, page A CLIV.

If a correction is assumed to the adopted inclination of the Moon's orbit to the ecliptic, the change in the two values of $\Delta \epsilon$ just found will be of about the same amount in each case, but of opposite signs, so that the mean of the two values, $\Delta \epsilon = -0''.54$, is independent of the adopted inclination of the Moon's orbit to the ecliptic.

THE PLANETS.

The methods of reduction of the planet observations are identical with those of the stars, fully described in the previous pages, except as to adopted clock correction, correction for personal equation, and corrections for semidiameter, defective illumination, and parallax. The method of adopting the clock correction is given on page A xxxviii, and the corrections for semidiameter, defective illumination, and parallax were computed by the aid of Tables XVII, XXIII, XXIV, and XXV, Appendix II, Volume IV, Publications of the United States Naval Observatory, Second Series. The final results, pages A 42 to A 71, are published without the application of any correction for personal equation.

On the same pages with the final results for Mars, in addition to the corrections which they furnish to the positions of the American Ephemeris, are given the results after the positions of the American Ephemeris have had applied to them the corrections found by Dr. F. E. Ross, as explained in Astronomical Papers of the American Ephemeris, Volume IX, Part II.

PERSONAL EQUATION IN RIGHT ASCENSION.

Two artificial planets attached to the personal equation machine, page A xvi, forming images at the focus of the 9-inch transit circle of 4'' and 25'' diameter, respectively, were used for this determination. The center of the smaller image, supposed to represent Uranus, and the limbs of the larger one, representing Mars, Jupiter, and Saturn, were observed. These observations, made on five different nights in April, 1913, gave the following corrections to be applied to the observed time of transit of the center:

Observer.	4'' Image.	25'' Image.
	s	s
Eichelberger.....	+0.002	-0.007
Littell.....	-0.173	-0.093
Morgan.....	-0.010	+0.064.
Pawling.....	-0.126	-0.091

To obtain the corrections to be applied to the right ascensions as reduced with clock corrections from star transits, it is necessary to subtract from these quantities those applicable to the time of transit of a star, page A lviii. Assuming 1.04 as a mean value of the secant of the planet's declination, the quantities to be subtracted are for LITTELL, $-0^s.132$, for MORGAN, $-0^s.031$, and for PAWLING, $-0^s.065$. No value for EICHELBERGER was determined with the personal equation machine, but from the relative personal equations on page A xxxvii an approximate value for EICHELBERGER is $-0^s.005$. The resulting corrections to the right ascensions of the outer planets, together with those for the Sun for purposes of comparison, follow,

Personal Equation Corrections to Observed Right Ascensions of Planet's Center.

Observer.	Uranus.	Mars, Jupiter, Saturn.	Sun.
	s	s	s
Eichelberger.....	+0.007	-0.002	.....
Littell.....	-0.041	+0.039	+0.065
Morgan.....	+0.021	+0.095	+0.118
Pawling.....	-0.061	-0.026	+0.016

OBSERVED RIGHT ASCENSIONS.

The following table contains, for each clamp year, mean corrections to the ephemeris right ascension of each of the planets, the corrections for Mercury and Venus being first grouped according to the part observed. The number of observations in each mean is indicated by the subscript. In the case of Saturn and Uranus when the planets were observed at two successive oppositions in the same clamp, means are formed for each opposition.

Mean Corrections to the Ephemeris Right Ascensions of the Planets, No Correction Having Been Applied to Eliminate the Observer's Personal Equation.

Clamp Year.	Clamp.	Mercury.			Venus.			
		I.	C.	II.	I.	C.	II.	$\frac{1}{2} (I+II).$
		s	s	s	s	s	s	s
1903-4.....	W.	-0.018 ₆	+0.018 ₄₂	+0.045 ₈	-0.163 ₃	-0.010 ₇	+0.042 ₆₅	+0.065 ₂₂
1904-5.....	E.	-0.130 ₁	+0.025 ₃₅	+0.084 ₁₀	-0.036 ₄₉	-0.015 ₂	-0.008 ₂₆	-0.026 ₂₇
1905-6.....	W.	.....	.....	.....	.....	.....	.....	.....
1905-6.....	W.	+0.008 ₆	+0.073 ₃₁	-0.002 ₄	-0.070 ₂₄	+0.430 ₁	+0.057 ₅₉	-0.022 ₁₅
1907-8.....	E.	+0.039 ₁₄	+0.081 ₃₈	+0.119 ₁₈	-0.027 ₂₃	.....	+0.022 ₃₂	+0.034 ₂₀
1908-9.....	W.	-0.022 ₂₂	+0.080 ₄₄	+0.172 ₁₆	-0.139 ₁₇	+0.056 ₁₂	+0.082 ₄₄	+0.077 ₃₁
1909-10.....	E.	-0.033 ₁₆	+0.120 ₄₂	+0.156 ₁₈	-0.024 ₃₃	+0.058 ₅	+0.172 ₃₀	+0.038 ₁₉
1910-11.....	E.	+0.006 ₂₂	+0.129 ₄₇	+0.101 ₁₂	.....	.....	.....	.....
1903-1911..	..	-0.006 ₈₅	+0.077 ₂₇₉	+0.117 ₈₃	-0.052 ₁₄₉	+0.048 ₂₇	+0.060 ₂₅₆	+0.032 ₁₇₄

Clamp Year.	Clamp.	Mars (Ross).	Jupiter.	Saturn.	Uranus.	Neptune.
		$\frac{1}{2} (I+II).$	$\frac{1}{2} (I+II).$	$\frac{1}{2} (I+II).$	C.	C.
		s	s	s	s	s
1903-4.....	W.	.....	+0.039 ₇	-0.010 ₁₁	+0.095 ₁₅	-0.039 ₁₅
1904-5.....	E.	+0.021 ₃₀	+0.044 ₁₇	-0.025 ₄	+0.138 ₄	-0.048 ₁₅
1905-6.....	W.	.....	.....	0.000 ₁₄	+0.130 ₃	.....
1905-6.....	W.	.....	+0.011 ₁₆	-0.037 ₁₁	+0.093 ₁₁	-0.043 ₁₄
1907-8.....	E.	+0.030 ₂₀	-0.012 ₁₆	+0.061 ₁₂	.....	-0.057 ₁₅
1908-9.....	W.	.....	+0.030 ₁₅	+0.075 ₁₅	+0.181 ₁₇	-0.083 ₁₆
1909-10.....	E.	+0.022 ₂₀	+0.015 ₁₅	+0.098 ₁₅	+0.185 ₁₃	-0.077 ₁₅
1910-11.....	E.	.....	.....	+0.089 ₁₅	+0.242 ₁₅	-0.062 ₁₅
1903-1911..	..	+0.024 ₇₀	+0.020 ₈₆	+0.042 ₉₇	+0.160 ₇₈	-0.059 ₁₀₅

PERSONAL EQUATION IN DECLINATION.

Three artificial planets attached to the personal equation machine, page A xvi, forming images at the focus of the 9-inch transit circle of 4'', 15'', and 25'' diameter, respectively, were used for this determination. The centers were observed in all cases, the Z. D. threads B being used in making the settings on the 4'' image and the Z. D. threads C on the 15'' and 25'' images. The 4'' image was assumed to represent Uranus; the 15'' image, Mars when its diameter was less than the width of the Z. D. threads C 20''; and the 25'' image, Mars when its diameter was greater than the width of the Z. D. threads C, and also Jupiter and Saturn. The image of Neptune was assumed to be stellar. The results of observations made on five different nights in April, 1913, together with those previously given for star observations, are given in the following table:

Personal Equation Corrections to Observed Declination of Planet's Center.

Observer.	Jupiter, Saturn, Mars (large).	Mars (small).	Uranus.	Star.
	"	"	"	"
Eichelberger.....	-0.02	-0.02	+0.11	+0.24
Littell.....	+0.10	-0.46	-0.56	-0.59
Morgan.....	-0.04	-0.28	+0.01	+0.22
Pawling.....	+0.18	-0.07	-0.12	-0.39

OBSERVED DECLINATIONS.

The following table contains, for each clamp year, mean corrections to the ephemeris declination of each of the planets, the corrections for Venus being first grouped according to the part observed. The number of observations in each mean is indicated by the subscripts. In the case of Saturn and Uranus when the planets were observed at two successive oppositions in the same clamp, means are formed for each opposition.

Mean Corrections to the Ephemeris Declinations of the Planets, No Correction Having Been Applied to Eliminate the Observer's Personal Equation.

Clamp Year.	Clamp.	Mercury.	Venus.			Mars (Ross).	Jupiter.	Saturn.	Uranus.	Neptune.
		C.	N.	C.	S.	C.	C.	C.	C.	C.
		"	"	"	"	"	"	"	"	"
1903-4	W.	+0.18 ₆₃	+1.60 ₅	+0.25 ₅₂	+0.33 ₄₂	....	+0.55 ₈	+1.28 ₁₀	+0.48 ₁₅	+0.09 ₁₆
1904-5	E.	+0.18 ₄₆	-0.09 ₂₁	-0.05 ₅₅	-0.08 ₂₃	+0.80 ₂₉	+1.11 ₁₇	+0.98 ₄	+0.30 ₄	+0.22 ₁₅
1905-6	W.	....	....	....	....	....	....	+1.76 ₁₄	+1.00 ₃	....
1905-6	W.	+0.63 ₃₉	-0.01 ₁₄	+0.42 ₆₉	-0.54 ₂₀	....	+1.28 ₁₆	+1.44 ₁₁	+0.32 ₁₁	+0.59 ₁₄
1907-8	E.	+0.52 ₆₆	+0.57 ₂₇	+0.14 ₇₁	+0.26 ₂₀	+0.94 ₂₁	+0.25 ₁₆	+1.38 ₁₂	....	+0.49 ₁₆
1908-9	W.	+0.30 ₈₃	+0.08 ₂₃	+0.29 ₄₄	-0.15 ₃₁	....	+0.35 ₁₅	+1.31 ₁₅	+0.68 ₁₇	+0.44 ₁₆
1909-10	E.	+0.43 ₈₁	+0.60 ₂₆	-0.02 ₄₅	+1.14 ₂₀	+0.95 ₂₀	+0.38 ₁₅	+1.13 ₁₅	+0.57 ₁₅	+0.81 ₁₅
1910-11	E.	+0.69 ₈₆	....	....	....	....	....	+0.91 ₁₄	+1.31 ₁₅	+0.64 ₁₅
1903-11	...	+0.43 ₄₆₄	+0.33 ₁₁₆	+0.18 ₃₃₆	+0.16 ₁₆₆	+0.88 ₇₀	+0.67 ₈₇	+1.30 ₉₅	+0.68 ₈₀	+0.47 ₁₀₅

Comparing these results with the correction to the declinations of NEWCOMB'S star positions, given on page A CXLIII, it is seen that except for Saturn the corrections are within a few tenths of a second of that for the stars, less for Mercury, Venus, and Neptune, greater for Mars, Jupiter, and Uranus. In the case of Saturn the correction is three-quarters of a second greater.

RESULTS OF OBSERVATIONS.

In forming the data, given on pages A 1 to A 380, the apparent right ascensions and declinations of Parts II and III were treated as follows:

To the apparent positions of the Sun, Moon, and planets were applied the corrections for semidiameter, defective illumination, and parallax, as given on the pages with the apparent positions.

To the apparent positions of the non-ephemeris stars were applied the reduction to the beginning of the year and the precessions from that date to 1900.0, which latter data may be obtained from the *Catalogue*, pages A 381 to A 452.

From the apparent positions of the ephemeris stars¹ were subtracted the corresponding ephemeris positions in each case.

Then to the quantities whose formation has just been described were applied the following corrections:

For Right Ascension:

- (1) Minus the pivot correction included in the time of transit September 3, 1903, to April 22, 1908, Table IV.
- (2) Minus the increase in the preliminary clock correction due to the pivot correction of (1), Table V.
- (3) The corrections due to the change in the preliminary time of transit arising from the finally adopted correction, Δa of Table XVIII, to the preliminary azimuths of the marks, Table VI.
- (4) The corrections due to the corresponding changes in the preliminary clock corrections, Table VII.
- (5) The corrections due to personality in right ascension, head north minus head south, and to the variation of this personality with declination, Table VIII.
- (6) The corrections due to personality, chronograph minus eye and ear, Table IX.

For Declination:

- (7) The corrections necessary to eliminate the effect of the division errors of Circle B, Tables XI and XII.
- (8) The corrections necessary to take account of the variation of latitude, Table XIII.
- (9) The corrections due to personality in declination, head north minus head south, together with those necessary to reduce the star results in declination of each year for the different observers to a uniform system, Table XIV.
- (10) The corrections necessary to eliminate the effects of instrumental flexure in declination, Table XV.
- (11) The corrections necessary to reduce the declinations of different years to a uniform system, Table XVI.
- (12) The corrections necessary in order that the final declinations should depend upon the finally adopted corrections to the preliminary refraction and latitude as obtained from the discussion of this series of observations, Table XVII.

¹ Under ephemeris stars are included those for which ephemeris places are given in either the American Ephemeris, the Nautical Almanac, the *Connaissance des Temps*, or the *Berliner Astronomisches Jahrbuch*, the positions in the latter being corrected, before being used, to base the results upon NEWCOMB'S mean places.

The application of the foregoing corrections is carried out numerically in a few cases in the following table:

Date.....	Oct. 4, 1903.	Oct. 5, 1903.		Oct. 7, 1903.				
Observer.....	R.	R.		R.				
Clamp.....	W.	W.		W.				
Object.....	Venus II, S.	Sun I, II, S, N.	Moon, I, S.	51 H. Cephei S. P.	21 Aquilæ.	λ Urs. Min.	30 Cygni.	θ Cephei.
	h m s	h m s	h m s	s	h m s	s	h m s	s
App. R. A. + Misc. Corr.....	10 58 33.76	12 41 26.35	0 23 51.31	.....	19 8 49.26	.....	20 10 15.14	.....
App. R. A. - Eph. R. A.....	.....	.....	.....	-0.28	.....	-2.01	.....	-0.05
Prec. to 1900.0 (stars only).....	.....	.....	.....	.....	-9.075	.....	-5.654	.....
Table IV (sign changed).....	-0.041	-0.042	-0.041	.....	-0.041	.....	-0.031	-0.037
Table V (sign changed).....	+0.041	+0.041	+0.040	+0.041	+0.041	+0.041	+0.041	+0.041
Table VI.....	-0.011	-0.012	-0.010	-0.298	-0.011	+0.793	+0.003	+0.016
Table VII.....	+0.020	+0.020	+0.020	+0.031	+0.031	+0.031	+0.031	+0.031
Table VIII (stars only).....	.....	.....	.....	.....	.....	.....	-0.001	-0.011
Table IX (stars only).....	.....	.....	.....	+0.707	.....	+0.584	.....	.....
Right Ascension.....	10 58 33.77	12 41 26.36	0 23 51.32	+0.20	19 8 40.20	-0.56	20 10 9.53	-0.01
	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
Approx. Decl.....	-0 10	$\left\{ \begin{array}{l} -4 12 \\ -4 44 \end{array} \right\}$	+1 48	+87 12	+2 8	+89 0	+46 32	+62 41
Circle Setting.....	320 52	$\left\{ \begin{array}{l} 316 50 \\ 316 18 \end{array} \right\}$	322 50	53 48	323 10	50 0	7 32	23 40
	° ' "	° ' "	° ' "	"	° ' "	"	° ' "	"
App. Decl. + Misc. Corr.....	-0 9 1.3	-4 27 35.2	+2 36 44.5	.....	+2 7 43.1	.....	+46 31 21.4	.....
App. Decl. - Eph. Decl.....	.....	.....	.....	-2.2	.....	+1.1	.....	+1.1
Prec. to 1900.0 (stars only).....	.....	.....	.....	.....	-17.77	.....	-32.36	.....
Tables XI and XII.....	+0.77	$\left\{ \begin{array}{l} +0.40 \\ -0.27 \end{array} \right\}$	-0.23	+0.24	-0.15	+0.57	-0.53	+0.98
Table XIII.....	+0.05	+0.05	+0.05	-0.05	+0.05	+0.05	+0.05	+0.05
Table XIV (stars only).....	.....	.....	.....	-0.01	+0.17	+0.01	+0.01	+0.01
Table XV.....	-0.88	$\left\{ \begin{array}{l} -0.78 \\ -0.76 \end{array} \right\}$	-0.92	+2.31	-0.93	-2.32	-1.92	-2.15
Table XVI.....	+0.17	+0.17	+0.17	-0.17	+0.17	+0.17	+0.17	+0.17
Table XVII.....	+0.37	$\left\{ \begin{array}{l} +0.39 \\ +0.39 \end{array} \right\}$	+0.36	-0.08	+0.36	+0.10	+0.25	+0.20
(†)								
Declination.....	-0 9 0.8	-4 27 35.3	+2 36 43.9	0.0	+2 7 25.0	-0.3	+46 30 47.1	+0.4

† In the case of a planet observed with Z. D. threads C, the following correction should be used: Clamp West, $\Delta\delta = +0''.2$; Clamp East, $\Delta\delta = -0''.2$.

In obtaining the right ascensions of the *Catalogue*, pages A 381 to A 452, two additional corrections were applied, the correction for star magnitude, Table X, and the correction for equinox, $-0^{\circ}.052$, page A CLIV.

RESULTS OF OBSERVATIONS OF THE SUN, MOON, AND PLANETS.

Under this heading are given, pages A 1 to A 71, the observed right ascensions, declinations, and semidiameters of the various bodies with the corresponding corrections to the ephemeris values of those quantities.

In the case of the Moon, in addition to a comparison with the positions given in the American Ephemeris, a comparison is also made with the positions from a manuscript table of the Nautical Almanac Office, prepared by Dr. F. E. Ross, from the latest works of NEWCOMB, HILL, and BROWN.

In the case of Mars, similarly, a comparison is made with the positions based on the work of Dr. F. E. Ross as published in Astronomical Papers of the American Ephemeris, Volume IX, Part II.

No correction for personal equation, pages A CXLVI, A CXLIX, A CLXIII and A CLXV, or for equinox, page A CLIV, has been applied to any of the observations of the Sun, Moon, and planets.

INDIVIDUAL RESULTS OF OBSERVATIONS OF STARS.

For the Ephemeris stars, the individual results are given as corrections to the Ephemeris positions. Immediately under the name of each such star is given its position from NEWCOMB'S Catalogue of Fundamental Stars referred to the mean equator and equinox of 1900.0 and corrected by the proper motions of that catalogue to the mean epoch of the observations.

For the non-ephemeris stars, the positions resulting from the individual observations are given referred to the mean equator and equinox of 1900.0. The epoch, in each case, is the epoch of the observation, as no proper motion has been used in computing the reduction to 1900.0.

The second column gives the designation of the observer, and the last column the position of the clamp.

All positions resulting from observations during daylight are bracketed. An observation was included in the daylight group whenever the light from the sky affected the character of the artificial field illumination. A few observations rejected for other causes are included in parentheses. These latter observations are always excluded from the final means. When there are five or more bracketed observations of a star, a mean of these is published in addition to the mean of the night observations. Immediately below the mean in the right ascension column is the correction, computed from Table X, to reduce the position to an observed magnitude 8.0.

THE STAR CATALOGUE.

As stated above, only night observations are included in the formation of the *Catalogue*.

The *Name* is that of NEWCOMB'S Fundamental Catalogue or the number from the Bonner Durchmusterung or Cape Photographic Durchmusterung.

The *Harvard Magnitude* is taken from the Annals of the Astronomical Observatory of Harvard College, Volumes L or LIV, or has been furnished in manuscript by

Director E. C. PICKERING of that observatory. In the latter case the fact is indicated by an asterisk. The limiting magnitudes of the variable stars given in the footnotes are from Harvard Annals, Volume L, except for 2184 from Harvard Annals, Volume XLVIII, and 998, the maximum magnitude of which is from Harvard Annals, Volume XIV, and the range of magnitude from *Astronomische Nachrichten*, Band 164.

The *Magnitude of Observation* is obtained from the preceding column, the magnitudes of the variables, except 472,¹ 998,² and 1814,³ being taken as the means of the limiting magnitudes, by using the values for the screens given on page A XII, and has been employed in connection with Table X, in freeing the final right ascensions from the effect of magnitude equation.

The *Right Ascension 1900.0* is obtained from the section *Individual Results of Observations of Stars*, by applying the correction, there given, to eliminate the magnitude equation and $-0^s.052$, the correction for equinox, page A CLIV, to the mean of the individual right ascension for non-ephemeris stars, or to the mean of the corrections applied to the mean right ascension given immediately under the name of the star.

The *Declination 1900.0* is the mean of the individual declinations found in the section *Individual Results of Observations of Stars* for non-ephemeris stars, or the mean of the corrections, there found, applied to the mean declination given immediately under the name of the star.

The *Annual Precessions* and their *Secular Variations* are obtained from the data given in NEWCOMB'S Fundamental Catalogue or HEDRICK'S Zodiacal Catalogue, if the star is found in either; otherwise they are computed by the aid of the tables in Annex C, *Annalen der Kaiserlichen Universitäts-Sternwarte in Strassburg*, Zweiter Band, using NEWCOMB'S values.

The *Annual Proper Motions* are taken from BOSS'S Preliminary General Catalogue for the stars found there. For those indicated by an asterisk in the first column the proper motions are taken from HEDRICK'S Zodiacal Catalogue.

¹ The assumed magnitude of 472 on the dates of observation and the resulting magnitude of observation are as follows:

Date.	Assumed Magnitude.	Magnitude of Observation.	Date.	Assumed Magnitude.	Magnitude of Observation.
1905			1907		
Nov. 22	8.5	8.5	Sept. 11	7.9	7.9
Nov. 29	7.6	7.6	Sept. 13	7.6	7.6
Dec. 27	4.4	7.3	Oct. 22	3.6	6.5
			Dec. 12	4.2	9.1
1906			1908		
Jan. 5	3.8	6.7	Aug. 30	5.6	8.5
1907			Sept. 3	4.8	7.7
Aug. 30	8.4	8.4			

² At maximum throughout period of observation.

³ The assumed magnitudes and magnitudes of observation of 1814 are: 1904, April 2 and 3, 8.9; 1905, February 24, 8.8; and 1906, February 23, 8.0.

When two numbers are found on the same line under *Number of Observations* or two dates under *Mean Date*, the first applies to the right ascension and the second to the declination.

In the case of close double stars, whenever it is stated under *Name* that the position is for the mean or it is concluded that the position is affected by the presence of the companion, a note at the bottom of the page states that the star is double, and gives the magnitudes of the two components, their distance apart and the position angle; whenever it is stated that the position is for a particular component or it is concluded that the position given is unaffected by the presence of the companion, a note at the foot of the page states that there is a companion and gives its magnitude, distance, and position angle.

TABLE I.—*The Equatorial Thread Intervals from the Mean Thread.*¹

Vertical Thread.	Sept. 3, 1903, to Oct. 2, 1903.	Oct. 4, 1903, to Aug. 16, 1904.	Sept. 6, 1904, to June 26, 1905.	Aug. 1, 1905, to Oct. 26, 1906.	Apr. 17, 1907, to Apr. 23, 1908.	Apr. 30, 1908, to Apr. 30, 1909.	May 1, 1909, to Apr. 11, 1911.
	s	s	■	s	s	s	s
I a_1	+23.9	+23.9	+24.0	+23.9	+24.0	+23.9	+24.0
a_2	21.5	21.5	21.5	21.5	21.5	21.5	21.5
a_3	20.0	20.0	20.0	20.0	20.0	20.0	20.0
a_4	18.5	18.5	18.5	18.5	18.5	18.5	18.5
II a_5	+16.9	+16.9	+17.0	+16.9	+17.0	+16.9	+17.0
III b_1	+ 8.970	+ 8.976	+ 8.985	+ 8.964	+ 9.013	+ 8.957	+ 9.011
b_2	.....	6.465	6.511	6.488	6.500	6.484	6.509
b_3	4.500	4.502	4.505	4.504	4.502	4.502	4.522
b_4	3.009	3.020	+ 2.975	3.021	+ 2.983	3.025	+ 2.989
IV b_5	+ 0.034	+ 0.044	- 0.023	+ 0.027	- 0.019	+ 0.026	- 0.023
b_6	- 2.979	- 2.980	3.023	- 2.984	3.008	- 2.976	3.008
b_7	4.503	4.500	4.494	4.502	4.495	4.503	4.502
b_8	6.530	6.520	6.479	6.502	6.492	6.494	6.493
V b_9	- 9.032	- 9.007	- 8.961	- 9.017	- 8.982	- 9.024	- 8.992
VI c_1	-17.0	-17.0	-16.9	-17.0	-16.9	-17.0	-16.9
c_2	18.5	18.5	18.5	18.5	18.5	18.5	18.5
c_3	20.0	20.0	20.0	20.0	20.0	20.0	20.0
c_4	21.5	21.5	21.5	21.5	21.5	21.5	21.5
VII c_5	-24.0	-24.0	-23.9	-24.0	-23.9	-24.0	-23.9

¹ Due to continual slacking of b_2 during the period Sept. 3 to Oct. 2, 1903, the adopted mean thread for that period is the mean of the 7 threads b_1 , b_3 , b_4 , b_5 , b_6 , b_7 , and b_9 .

TABLE II.—*The Adopted Values of the Readings of the Zenith Distance Micrometer.*

	1'	2'	3'	4'	5'	6'
"	Rev.	Rev.	Rev.	Rev.	Rev.	Rev.
0	38.123	40.749	43.374	46.000	48.626	51.251
1	38.167	40.793	43.418	46.044	48.669	51.295
2	38.211	40.836	43.462	46.088	48.713	51.339
3	38.254	40.880	43.506	46.131	48.757	51.382
4	38.298	40.924	43.549	46.175	48.801	51.426
5	38.342	40.968	43.593	46.219	48.844	51.470
6	38.386	41.011	43.637	46.263	48.888	51.514
7	38.430	41.055	43.681	46.306	48.932	51.558
8	38.473	41.099	43.724	46.350	48.976	51.601
9	38.517	41.143	43.768	46.394	49.019	51.645
10	38.561	41.186	43.812	46.438	49.063	51.689
11	38.605	41.230	43.856	46.481	49.107	51.733
12	38.648	41.274	43.900	46.525	49.151	51.776
13	38.692	41.318	43.943	46.569	49.194	51.820
14	38.736	41.361	43.987	46.613	49.238	51.864
15	38.780	41.405	44.031	46.656	49.282	51.908
16	38.823	41.449	44.075	46.700	49.326	51.951
17	38.867	41.493	44.118	46.744	49.370	51.995
18	38.911	41.536	44.162	46.788	49.413	52.039
19	38.955	41.580	44.206	46.831	49.457	52.083
20	38.998	41.624	44.250	46.875	49.501	52.126
21	39.042	41.668	44.293	46.919	49.545	52.170
22	39.086	41.712	44.337	46.963	49.588	52.214
23	39.130	41.755	44.381	47.006	49.632	52.258
24	39.173	41.799	44.425	47.050	49.676	52.301
25	39.217	41.843	44.468	47.094	49.720	52.345
26	39.261	41.887	44.512	47.138	49.763	52.389
27	39.305	41.930	44.556	47.182	49.807	52.433
28	39.348	41.974	44.600	47.225	49.851	52.476
29	39.392	42.018	44.643	47.269	49.895	52.520
30	39.436	42.062	44.687	47.313	49.938	52.564
31	39.480	42.105	44.731	47.357	49.982	52.608
32	39.524	42.149	44.775	47.400	50.026	52.652
33	39.567	42.193	44.818	47.444	50.070	52.695
34	39.611	42.237	44.862	47.488	50.113	52.739
35	39.655	42.280	44.906	47.532	50.157	52.783
36	39.699	42.324	44.950	47.575	50.201	52.827
37	39.742	42.368	44.994	47.619	50.245	52.870
38	39.786	42.412	45.037	47.663	50.288	52.914
39	39.830	42.455	45.081	47.707	50.332	52.958
40	39.874	42.499	45.125	47.750	50.376	53.002
41	39.917	42.543	45.169	47.794	50.420	53.045
42	39.961	42.587	45.212	47.838	50.464	53.089
43	40.005	42.630	45.256	47.882	50.507	53.133
44	40.049	42.674	45.300	47.925	50.551	53.177
45	40.092	42.718	45.344	47.969	50.595	53.220
46	40.136	42.762	45.387	48.013	50.639	53.264
47	40.180	42.806	45.431	48.057	50.682	53.308
48	40.224	42.849	45.475	48.100	50.726	53.352
49	40.267	42.893	45.519	48.144	50.770	53.395
50	40.311	42.937	45.562	48.188	50.814	53.439
51	40.355	42.981	45.606	48.232	50.857	53.483
52	40.399	43.024	45.650	48.276	50.901	53.527
53	40.442	43.068	45.694	48.319	50.945	53.570
54	40.486	43.112	45.737	48.363	50.989	53.614
55	40.530	43.156	45.781	48.407	51.032	53.658
56	40.574	43.199	45.825	48.451	51.076	53.702
57	40.618	43.243	45.869	48.494	51.120	53.746
58	40.661	43.287	45.912	48.538	51.164	53.789
59	40.705	43.331	45.956	48.582	51.207	53.833

TABLE III.—*The Inclination and Distance of Zenith Distance Threads.*

Vertical Thread.	Z. D. Threads B.	Z. D. Threads A.	Z. D. Threads C. ¹	Vertical Thread.	Z. D. Threads B.	Z. D. Threads A.	Z. D. Threads C. ¹
Sept. 3.3, 1903, to Sept. 16.9, 1903.				Nov. 23.0, 1904, to June 22.0, 1905.			
I	−0.48	+1 42.49	−1 35.82	I	+0.32	+1 43.29	−1 34.97
II	−0.34	+1 42.61	−1 35.70	II	+0.23	+1 43.18	−1 35.08
III	−0.18	+1 42.72	−1 35.56	III	+0.12	+1 43.05	−1 35.22
IV	0.00	+1 42.87	−1 35.41	IV	0.00	+1 42.91	−1 35.37
V	+0.18	+1 43.01	−1 35.25	V	−0.12	+1 42.77	−1 35.52
VI	+0.34	+1 43.13	−1 35.11	VI	−0.23	+1 42.64	−1 35.66
VII	+0.48	+1 43.24	−1 35.00	VII	−0.32	+1 42.54	−1 35.77
Sept. 18.3, 1903, to June 29.1, 1904.				Aug. 13.6, 1905, to Dec. 14.2, 1905.			
I	−0.31	+1 42.66	−1 35.65	I	0.00	+1 42.95	−1 35.20
II	−0.22	+1 42.73	−1 35.58	II	0.00	+1 42.95	−1 35.19
III	−0.12	+1 42.78	−1 35.50	III	0.00	+1 42.96	−1 35.19
IV	0.00	+1 42.87	−1 35.41	IV	0.00	+1 42.96	−1 35.18
V	+0.12	+1 42.95	−1 35.31	V	0.00	+1 42.96	−1 35.17
VI	+0.22	+1 43.01	−1 35.23	VI	0.00	+1 42.97	−1 35.17
VII	+0.31	+1 43.07	−1 35.17	VII	0.00	+1 42.97	−1 35.16
June 29.1, 1904, to Aug. 15.6, 1904.				Dec. 14.2, 1905, to Oct. 25.5, 1906.			
I	+0.07	+1 43.37	−1 34.72	I	0.00	+1 42.95	−1 35.22
II	+0.05	+1 43.35	−1 34.70	II	0.00	+1 42.95	−1 35.22
III	+0.03	+1 43.33	−1 34.67	III	0.00	+1 42.96	−1 35.22
IV	0.00	+1 43.30	−1 34.65	IV	0.00	+1 42.96	−1 35.22
V	−0.03	+1 43.27	−1 34.63	V	0.00	+1 42.96	−1 35.22
VI	−0.05	+1 43.25	−1 34.61	VI	0.00	+1 42.97	−1 35.22
VII	−0.07	+1 43.23	−1 34.59	VII	0.00	+1 42.97	−1 35.22
Sept. 6.3, 1904, to Nov. 23.0, 1904.				Apr. 17.3, 1907, to Apr. 22.5, 1908.			
I	+0.32	+1 43.29	−1 34.86	I	−0.23	+1 42.79	−1 35.44
II	+0.23	+1 43.18	−1 34.97	II	−0.16	+1 42.84	−1 35.38
III	+0.12	+1 43.05	−1 35.10	III	−0.08	+1 42.91	−1 35.31
IV	0.00	+1 42.91	−1 35.25	IV	0.00	+1 42.97	−1 35.23
V	−0.12	+1 42.77	−1 35.40	V	+0.08	+1 43.03	−1 35.16
VI	−0.23	+1 42.64	−1 35.53	VI	+0.16	+1 43.10	−1 35.09
VII	−0.32	+1 42.54	−1 35.64	VII	+0.23	+1 43.16	−1 35.03

¹ In the case of the planets observed with Z. D. threads C, the declinations of Part II and Part III have received a correction, 0."2, see footnote, page A CLXVII, in forming the *Results of Observations*, page A 1 et seq.

TABLE III.—*The Inclination and Distance of Zenith Distance Threads—Continued.*

Vertical Thread.	Z. D. Threads B.	Z. D. Threads A.	Z. D. Threads C. ¹	Vertical Thread.	Z. D. Threads B.	Z. D. Threads A.	Z. D. Threads C. ¹
Apr. 30.6, 1908, to Apr. 30.3, 1909.				Aug. 27.9, 1909, to Apr. 11.5, 1911.			
I	+0.22	+1 43.26	-1 35.03	I	+0.22	+1 43.26	-1 35.03
II	+0.16	+1 43.20	-1 35.09	II	+0.15	+1 43.18	-1 35.10
III	+0.08	+1 43.13	-1 35.17	III	+0.08	+1 43.10	-1 35.17
IV	0.00	+1 43.05	-1 35.25	IV	0.00	+1 43.00	-1 35.25
V	-0.08	+1 42.97	-1 35.33	V	-0.08	+1 42.91	-1 35.33
VI	-0.16	+1 42.90	-1 35.41	VI	-0.15	+1 42.83	-1 35.40
VII	-0.22	+1 42.84	-1 35.47	VII	-0.22	+1 42.75	-1 35.47
May 9.6, 1909, to Aug. 27.8, 1909.							
I	-0.06	+1 42.98	-1 35.31				
II	-0.04	+1 42.99	-1 35.29				
III	-0.02	+1 43.00	-1 35.27				
IV	0.00	+1 43.00	-1 35.25				
V	+0.02	+1 43.00	-1 35.23				
VI	+0.04	+1 43.01	-1 35.21				
VII	+0.06	+1 43.02	-1 35.19				

¹ In the case of the planets observed with Z. D. threads C, the declinations of Part II and Part III have received a correction, 0".2, see footnote page A CLXVII, in forming the *Results of Observations*, page A 1 et seq.

TABLE IV.—*The Increases in the Times of Transit, Sept. 3, 1903, to Apr. 22, 1908, Due to Including the Corrections for the Irregularity of Pivots as Determined in 1906.*

Clamp West.						Clamp East.					
Z.D.N.	Δt	Z.D.N.	Δt	Z.D.N.	Δt	Z.D.S.	Δt	Z.D.S.	Δt	Z.D.S.	Δt
°	s	°	s	°	s	°	s	°	s	°	s
283	+0.028	298	+0.038	313	+0.042	77	-0.056	62	-0.049	47	-0.040
284	.028	299	.038	314	.043	76	.055	61	.049	46	.040
285	.030	300	.039	315	.043	75	.058	60	.047	45	.041
286	.033	301	.039	316	.042	74	.059	59	.046	44	.041
287	.035	302	.039	317	.042	73	.059	58	.045	43	.041
288	.037	303	.040	318	.042	72	.061	57	.045	42	.040
289	.038	304	.042	319	.041	71	.061	56	.044	41	.040
290	.039	305	.042	320	.041	70	.061	55	.043	40	.040
291	.039	306	.042	321	.041	69	.060	54	.042	39	.040
292	.039	307	.042	322	.042	68	.059	53	.042	38	.040
293	.039	308	.043	323	.041	67	.058	52	.042	37	.040
294	.038	309	.043	324	.041	66	.055	51	.042	36	.038
295	.038	310	.043	325	.041	65	.053	50	.041	35	.038
296	.038	311	.043	326	.041	64	.052	49	.041	34	.037
297	+0.038	312	+0.043	327	+0.041	63	-0.050	48	-0.040	33	-0.037

TABLE IV.—*The Increases in the Times of Transit, Sept. 3, 1903, to Apr. 22, 1908, Due to Including the Corrections for the Irregularity of Pivots as Determined in 1906—Contd.*

Clamp West.						Clamp East.					
Z.D.N.	Δt	Z.D.N.	Δt	Z.D.N.	Δt	Z.D.S.	Δt	Z.D.S.	Δt	Z.D.S.	Δt
^o 328	^s +0.041	^o 8	^s +0.031	^o 48	^s +0.018	^o 32	^s -0.037	^o 352	^s -0.032	^o 312	^s -0.037
329	.041	9	.030	..	.....	31	.038	351	.031	...	.....
330	.040	10	.030	..	.....	30	.038	350	.030	...	.....
331	.041	11	.031	..	.....	29	.039	349	.031	...	.....
332	.041	12	.030	..	.....	28	.039	348	.032	...	.....
333	.042	13	.032	..	.....	27	.039	347	.032	...	.....
334	.041	14	.033	54	+0.038	26	.039	346	.033	306	-0.039
335	.041	15	.034	55	.029	25	.039	345	.032	305	.044
336	.041	16	.035	56	.023	24	.039	344	.033	304	.054
337	.041	17	.036	57	.019	23	.040	343	.036	303	.058
338	.041	18	.037	58	.016	22	.040	342	.035	302	.066
339	.040	19	.038	59	.014	21	.040	341	.036	301	.058
340	.039	20	.039	60	.013	20	.040	340	.037	300	.065
341	.038	21	.038	61	.012	19	.040	339	.038	299	.063
342	.039	22	.037	62	.010	18	.040	338	.039	298	.063
343	.038	23	.036	63	.005	17	.039	337	.038	297	.058
344	.037	24	.037	64	+0.004	16	.037	336	.040	296	.058
345	.036	25	.036	65	.000	15	.036	335	.039	295	.058
346	.036	26	.035	66	-0.004	14	.036	334	.040	294	.054
347	.036	27	.034	67	.007	13	.036	333	.042	293	.054
348	.035	28	.033	68	.010	12	.034	332	.041	292	.055
349	.034	29	.032	69	.010	11	.034	331	.037	291	.052
350	.034	30	.031	70	.006	10	.033	330	.039	290	.052
351	.033	31	.029	71	-0.006	9	.033	329	.038	289	.053
352	.034	32	.028	72	.000	8	.033	328	.040	288	.056
353	.034	33	.026	73	+0.003	7	.033	327	.039	287	.059
354	.033	34	.027	74	.008	6	.032	326	.038	286	.061
355	.034	35	.029	75	.010	5	.031	325	.036	285	.066
356	.033	36	.027	76	.017	4	.032	324	.038	284	.071
357	.033	37	.033	77	+0.018	3	.032	323	.037	283	-0.070
358	.033	38	.036	..	.....	2	.033	322	.040	...	.....
359	.033	39	.034	..	.....	1	.032	321	.038	...	.....
0	.032	40	.031	..	.....	0	.032	320	.036	...	.....
1	.031	41	.034	..	.....	359	.033	319	.034	...	.....
2	.032	42	.032	..	.....	358	.032	318	.038	...	.....
3	.031	43	.036	..	.....	357	.031	317	.043	...	.....
4	.030	44	.033	..	.....	356	.033	316	.048	...	.....
5	.031	45	.029	..	.....	355	.032	315	.047	...	.....
6	.031	46	.023	..	.....	354	.033	314	.056	...	.....
7	+0.032	47	+0.028	..	.....	353	-0.032	313	-0.042	...	.....

TABLE V.—*The Increases in the Preliminary Clock Corrections, Sept. 3, 1903, to Apr. 22, 1908, Due to Including in the Time of Transit the Pivot Corrections of Table IV.*

Date..	Δt	Date.	Δt	Date.	Δt	Date.	Δt
Clamp West.		1903	s	1904	s	1904	s
		Nov. 6	—0.040	Jan. 24	—0.039	Apr. 14	—0.041
1903	s	7	.041	25	.039	15	.041
Sept. 3	—0.041	8	.039	27	.040	16	.041
4	.040	9	.040	30	.040	17	.041
5	.040	10	.039	Feb. 2	.041	18	.040
6	.040	11	.040	3	.040	19	.040
7	.041	12	.039	4	.040	20	.040
10	.040	20	.039	6	.039	21	.040
11	.040	21	.040	8	.039	22	.040
12	.040	22	.039	9	.039	May 1	.040
13	.039	23	.041	11	.040	2	.040
14	.040	24	.038	13	.042	3	.039
15	.040	25	.041	14	.039	4	.041
16	.041	26	.040	15	.038	5	.041
18	.040	27	.040	20	.040	7	.041
19	.040	28	.040	22	.039	8	.040
20	.040	29	.039	23	.039	11	.041
21	.040	30	.040	24	.040	12	.041
22	.040	Dec. 1	.040	25	.038	13	.040
23	.040	3	.040	27	.038	15	.039
24	.040	5	.041	Mar. 1	.039	16	.039
25	.040	6	.041	2	.040	23	.039
26	.041	7	.039	3	.038	24	.040
27	.039	9	.040	4	.040	25	.041
28	.041	10	.039	5	.041	26	.040
29	.040	11	.041	8	.042	27	.041
30	.041	14	.040	9	.040	28	.041
Oct. 1	.040	15	.041	10	.040	29	.041
4	.041	16	.041	15	.040	June 3	.040
6	.040	17	.041	16	.040	6	.040
7	.041	18	.041	18	.039	8	.042
12	.040	20	.041	22	.038	11	.042
13	.040	21	.039	23	.039	12	.040
14	.040	22	.040	24	.038	13	.042
15	.041	23	.039	25	.040	14	.042
18	.041	26	.041	27	.040	15	.040
19	.041	27	.041	28	.040	17	.042
20	.040	28	.040	29	.040	18	.042
21	.040	29	.039	Apr. 1	.040	20	.040
22	.041	30	.040	2	.038	22	.042
25	.040	31	.041	3	.039	23	.042
26	.040	1904		4	.040	24	.040
27	.040	Jan. 13	.040	5	.040	26	.041
28	.040	14	.039	7	.040	30	.039
29	.040	15	.040	9	.040	July 1	.040
Nov. 2	.040	18	.041	11	.040	2	.037
3	.040	20	.038	12	.040	6	.042
4	—0.041	21	—0.040	13	—0.040	7	0.041

TABLE V.—*The Increases in the Preliminary Clock Corrections, Sept. 3, 1903, to Apr. 22, 1908, Due to Including in the Time of Transit the Pivot Corrections of Table IV—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1904	s	1904	s	1904	s	1905	s
July 10	-0.040	Oct. 3	+0.040	Dec. 7	+0.039	Mar. 6	+0.038
11	.041	4	.040	8	.038	10	.038
12	.039	5	.040	12	.039	12	.040
13	.041	7	.041	13	.039	13	.039
14	.042	9	.040	14	.038	15	.039
15	.041	10	.040	16	.038	16	.037
16	.041	13	.040	18	.040	17	.039
17	.041	14	.039	19	.039	18	.038
18	.041	15	.040	20	.040	23	.036
19	.040	16	.040	21	.039	25	.039
20	.040	17	.040	22	.039	26	.039
22	.041	18	.039	28	.038	27	.039
25	.041	19	.042	29	.039	28	.040
26	.041	21	.039	30	.038	29	.039
27	.041	22	.038	1905		30	.039
29	.041	23	.040	Jan. 4	.038	31	.039
30	.041	24	.038	12	.038	Apr. 1	.039
31	.040	25	.042	13	.039	2	.040
Aug. 2	.040	26	.037	14	.038	4	.038
3	.042	27	.038	15	.039	7	.040
4	.041	28	.038	16	.038	8	.040
6	.042	29	.037	18	.039	9	.040
11	.041	30	.038	19	.039	13	.039
12	.040	31	.039	20	.040	14	.040
14	.039	Nov. 1	.039	21	.038	16	.040
15	-0.040	2	.040	22	.039	17	.040
Clamp East.		3	.040	27	.039	18	.041
Sept. 6	+0.038	5	.040	28	.038	19	.041
7	.040	6	.038	30	.039	20	.039
8	.038	7	.042	Feb. 2	.040	22	.040
10	.042	11	.038	6	.039	23	.039
11	.038	14	.040	7	.038	24	.040
15	.040	15	.039	9	.039	25	.038
16	.040	16	.039	10	.039	27	.038
17	.040	17	.038	11	.040	28	.039
21	.041	18	.038	13	.040	30	.036
22	.039	19	.039	14	.039	May 1	.038
23	.039	20	.039	15	.039	2	.038
25	.040	21	.039	16	.039	7	.038
26	.041	23	.040	17	.038	8	.038
28	.040	24	.037	18	.038	12	.039
29	.041	26	.039	20	.039	16	.037
30	.038	28	.040	23	.039	18	.040
Oct. 1	+0.040	30	.039	24	.039	19	.041
		Dec. 1	.039	Mar. 1	.040	20	.038
		6	+0.039	2	+0.037	21	.038

TABLE V.—*The Increases in the Preliminary Clock Corrections, Sept. 3, 1903, to Apr. 22, 1908, Due to Including in the Time of Transit the Pivot Corrections of Table IV—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1905	s	1905	s	1905	s	1906	s
May 22	+0.042	Sept. 18	-0.040	Nov. 23	-0.040	Feb. 13	-0.039
23	.038	19	.041	25	.041	15	.038
24	.040	21	.041	26	.039	16	.040
25	.038	22	.040	29	.040	17	.040
27	.037	24	.039	Dec. 1	.039	19	.039
28	.040	25	.040	4	.040	20	.038
June 1	.041	26	.041	5	.040	22	.040
2	.039	27	.041	6	.040	23	.039
3	.041	28	.041	7	.040	24	.039
5	.037	29	.041	10	.041	26	.040
8	.040	30	.039	11	.040	27	.038
9	.039	Oct. 3	.040	12	.040	28	.040
13	.039	4	.040	13	.040	Mar. 1	.040
14	.039	5	.040	14	.040	2	.040
15	.038	6	.040	16	.040	4	.040
16	.038	7	.041	18	.040	5	.040
17	.039	8	.041	19	.040	6	.041
18	.039	9	.042	21	.040	10	.040
19	.041	11	.042	22	.039	17	.040
21	+0.040	12	.040	23	.039	19	.041
Clamp West.		13	.040	26	.040	20	.041
Aug. 13	-0.038	14	.041	27	.040	21	.040
15	.040	15	.041	29	.040	22	.040
17	.039	16	.039	30	.040	23	.038
18	.040	17	.041	1906		31	.040
19	.041	21	.038	Jan. 1	.040	Apr. 1	.042
21	.040	22	.041	2	.040	2	.041
22	.040	23	.040	5	.040	6	.040
23	.039	28	.041	6	.039	7	.040
26	.041	29	.040	9	.040	10	.041
28	.040	30	.039	10	.040	12	.039
29	.041	31	.040	12	.038	13	.041
30	.038	Nov. 1	.041	16	.041	15	.039
31	.041	2	.039	18	.040	16	.041
Sept. 4	.040	3	.037	24	.040	17	.040
5	.040	6	.040	28	.039	18	.040
6	.041	8	.040	29	.040	19	.041
7	.040	10	.039	30	.040	20	.041
8	.041	11	.040	31	.040	23	.040
9	.040	12	.040	Feb. 2	.040	24	.041
12	.040	14	.040	3	.041	27	.040
13	.040	16	.037	4	.038	30	.040
14	.041	17	.040	5	.037	May 1	.040
15	-0.040	20	.039	7	.040	2	.040
		21	.039	9	.040	3	.039
		22	-0.039	10	-0.039	4	-0.040

TABLE V.—*The Increases in the Preliminary Clock Corrections, Sept. 3, 1903, to Apr. 22, 1908, Due to Including in the Time of Transit the Pivot Corrections of Table IV—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1906	s	1906	s	1907	s	1907	s
May 21	-0.038	Sept. 29	-0.041	June 15	+0.037	Aug. 24	+0.040
29	.039	Oct. 4	.040	16	.039	25	.037
June 8	.041	6	.040	17	.041	26	.038
11	.041	7	.041	19	.040	29	.039
22	.041	8	.041	20	.038	30	.040
24	.040	11	.041	21	.040	31	.040
25	.041	12	.041	22	.039	Sept. 5	.041
27	.040	13	.040	23	.040	6	.039
28	.040	14	.040	24	.041	7	.041
29	.041	15	.042	25	.041	10	.039
30	.041	23	.041	26	.041	11	.039
July 1	.042	25	-0.039	27	.040	12	.039
2	.042	Clamp East.		30	.040	13	.040
5	.041			July 3	.039	14	.041
6	.042	1907		4	.039	15	.039
7	.041	Apr. 17	+0.039	5	.039	16	.040
9	.041	18	.038	7	.041	20	.040
19	.038	19	.040	8	.039	21	.039
21	.039	20	.038	12	.040	23	.039
26	.038	21	.039	14	.041	24	.040
28	.039	24	.040	16	.039	25	.039
Aug. 4	.040	25	.039	19	.039	26	.039
11	.039	29	.040	20	.038	27	.040
15	.040	30	.039	21	.039	29	.037
19	.038	May 4	.038	22	.039	30	.039
22	.040	9	.038	23	.039	Oct. 1	.040
23	.041	11	.039	25	.039	2	.039
30	.041	12	.038	26	.039	3	.040
31	.042	13	.038	27	.037	4	.040
Sept. 2	.040	14	.039	29	.039	5	.040
3	.040	17	.037	30	.040	6	.040
4	.040	18	.040	31	.040	8	.040
5	.040	19	.038	Aug. 1	.040	9	.039
6	.042	20	.038	2	.038	10	.039
7	.041	21	.040	4	.039	12	.039
8	.040	23	.038	6	.039	13	.041
9	.040	27	.041	7	.039	14	.039
10	.042	28	.039	8	.038	15	.040
11	.041	29	.039	11	.039	16	.040
14	.040	30	.039	12	.039	17	.040
18	.040	June 3	.039	13	.038	18	.039
19	.041	5	.041	14	.039	19	.040
20	.042	6	.041	15	.040	20	.039
21	.039	8	.040	18	.038	21	.039
24	.042	14	+0.039	20	.038	22	.039
25	-0.041			22	+0.038	23	+0.040

TABLE V.—*The Increases in the Preliminary Clock Corrections, Sept. 3, 1903, to Apr. 22, 1908, Due to Including in the Time of Transit the Pivot Corrections of Table IV—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1907	s	1907	s	1908	s	1908	"
Oct. 24	+0.039	Dec. 11	+0.039	Jan. 19	+0.040	Mar. 10	+0.039
25	.039	12	.038	20	.038	11	.036
29	.039	14	.040	21	.038	12	.039
30	.039	15	.038	22	.039	13	.039
Nov. 4	.039	18	.038	24	.039	14	.039
5	.038	19	.039	25	.039	15	.039
7	.039	20	.039	27	.040	17	.040
8	.037	21	.038	29	.039	20	.039
10	.036	23	.039	30	.039	21	.039
11	.038	24	.039	Feb. 1	.040	24	.039
13	.039	25	.038	3	.039	25	.039
14	.038	27	.039	4	.040	26	.038
15	.039	28	.040	6	.039	27	.039
16	.041	30	.038	7	.039	Apr. 3	.040
17	.039	31	.038	8	.040	4	.039
19	.038	1908		9	.038	6	.039
24	.038	Jan. 2	.038	12	.041	7	.040
25	.039	3	.038	16	.039	9	.039
26	.039	5	.037	17	.039	11	.038
27	.038	6	.039	19	.038	12	.039
28	.039	7	.038	20	.038	13	.038
29	.040	8	.037	21	.039	16	.038
30	.040	9	.038	24	.039	17	.039
Dec. 2	.040	10	.038	26	.038	19	.039
4	.040	12	.040	28	.037	20	.039
5	.038	14	.038	Mar. 2	.039	21	.039
6	.040	15	.039	3	.039	22	+0.038
7	.039	16	.039	4	.040		
8	.038	17	.039	7	.039		
10	+0.038	18	+0.039	9	+0.040		

TABLE VI.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Time of Transit Arising from the Finally Adopted Correction, Δa of Table XVIII, to the Preliminary Azimuths of the Marks.*

Decl.	1903 Sept. 3.4 to Oct. 1.8.	1903 Oct. 4.4 to Nov. 11.0.	1903 Nov. 11.7 to Dec. 18.5.	1903 Dec. 18.7 to Feb. 3.9.	1904 Feb. 4.2 to Mar. 29.9.	1904 Apr. 1.5 to May 27.0.	1904 May 27.3 to Aug. 15.6.	1904 Sept. 6.5 to Oct. 17.8.
°	s	s	s	s	s	s	s	s
+62 S. P.	+0.013	-0.038	+0.017	-0.004	+0.006	+0.029	+0.025	-0.044
64 S. P. ....	.013	.040	.018	.004	.007	.031	.027	.047
66 S. P. ....	.014	.043	.019	.005	.007	.033	.029	.050
68 S. P. ....	.015	.046	.020	.005	.008	.036	.031	.054
70 S. P. ....	.017	.050	.022	.006	.008	.039	.033	.058
+72 S. P.	+0.018	-0.054	+0.024	-0.006	+0.009	+0.042	+0.036	-0.063
+74 S. P.	+0.020	-0.060	+0.027	-0.007	+0.010	+0.047	+0.040	-0.070
76 S. P. ....	.022	.067	.030	.007	.011	.052	.045	.079
77 S. P. ....	.024	.072	.032	.008	.012	.056	.048	.084
78 S. P. ....	.026	.077	.034	.009	.013	.060	.051	.090
+79 S. P.	+0.028	-0.083	+0.037	-0.009	+0.014	+0.065	+0.056	-0.097
+80 S. P.	+0.030	-0.091	+0.040	-0.010	+0.015	+0.071	+0.061	-0.106
81 S. P. ....	.033	.100	.044	.011	.017	.078	.066	.116
82 S. P. ....	.037	.111	.049	.012	.019	.086	.074	.129
83 S. P. ....	.042	.125	.056	.014	.021	.098	.084	.146
+84 S. P.	+0.048	-0.145	+0.064	-0.016	+0.024	+0.112	+0.096	-0.169
+85 S. P.	+0.057	-0.171	+0.076	-0.019	+0.029	+0.133	+0.114	-0.200
86 S. P. ....	.070	.211	.094	.024	.035	.164	.141	.247
87 S. P. ....	.093	.278	.124	.031	.046	.217	.186	.325
88 S. P. ....	.137	.413	.183	.046	.069	.321	.275	.481
+89 S. P.	+0.271	-0.814	+0.362	-0.090	+0.136	+0.633	+0.542	-0.949
+89.....	-0.264	+0.791	-0.352	+0.088	-0.132	-0.615	-0.527	+0.923
88.....	.130	.390	.173	.043	.065	.303	.260	.455
87.....	.085	.255	.113	.028	.042	.198	.170	.298
86.....	.063	.189	.084	.021	.032	.147	.126	.220
+85.....	-0.050	+0.149	-0.066	+0.017	-0.025	-0.116	-0.099	+0.174
+84.....	-0.041	+0.122	-0.054	+0.014	-0.020	-0.095	-0.081	+0.142
83.....	.034	.103	.046	.011	.017	.080	.068	.120
82.....	.029	.088	.039	.010	.015	.069	.059	.103
81.....	.026	.077	.034	.009	.013	.060	.051	.090
+80.....	-0.023	+0.068	-0.030	+0.008	-0.011	-0.053	-0.045	+0.079
+79.....	-0.020	+0.061	-0.027	+0.007	-0.010	-0.047	-0.041	+0.071
78.....	.018	.055	.024	.006	.009	.042	.037	.064
77.....	.016	.049	.022	.005	.008	.038	.033	.058
76.....	.015	.045	.020	.005	.007	.035	.030	.052
+74.....	-0.013	+0.038	-0.017	+0.004	-0.006	-0.029	-0.025	+0.044
+72.....	-0.011	+0.032	-0.014	+0.004	-0.005	-0.025	-0.021	+0.037
70.....	.009	.027	.012	.003	.005	.021	.018	.032
68.....	.008	.023	.010	.003	.004	.018	.015	.027
66.....	.007	.020	.009	.002	.003	.016	.013	.024
+64.....	-0.006	+0.017	-0.008	+0.002	-0.003	-0.014	-0.011	+0.020
+62.....	-0.005	+0.015	-0.007	+0.002	-0.003	-0.012	-0.010	+0.018
60.....	.004	.013	.006	.001	.002	.010	.009	.015
50.....	-0.002	+0.005	-0.002	+0.001	-0.001	-0.004	-0.004	.006
40.....	.000	.000	.000	.000	.000	.000	.000	+0.001
30.....	+0.001	-0.003	+0.001	.000	+0.001	+0.003	+0.002	-0.004
+20.....	+0.002	-0.006	+0.003	-0.001	+0.001	+0.005	+0.004	-0.007
+10.....	+0.003	-0.009	+0.004	-0.001	+0.001	+0.007	+0.006	-0.010
0.....	.004	.011	.005	.001	.002	.009	.008	.013
-10.....	.005	.014	.006	.002	.002	.011	.009	.016
20.....	.005	.016	.007	.002	.003	.013	.011	.019
30.....	.006	.019	.009	.002	.003	.015	.013	.023
-40.....	+0.008	-0.023	+0.010	-0.003	+0.004	+0.018	+0.015	-0.027

TABLE VI.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Time of Transit Arising from the Finally Adopted Correction, Δa of Table XVIII, to the Preliminary Azimuths of the Marks—Continued.*

Decl.	1904 Oct. 18.0 to Dec. 1.7.	1904 Dec. 6.0 to Jan. 10.0.	1905 Jan. 12.7 to Feb. 10.7.	1905 Feb. 11.0 to Mar. 19.5.	1905 Mar. 23.3 to June 25.3.	1905 Aug. 13.6 to Aug. 17.0.	1905 Aug. 17.3 to Sept. 30.5.	1905 Oct. 3.5 to Oct. 17.5.
°	S	S	S	S	S	S	S	S
+62 S. P.	−0.059	−0.046	+0.063	+0.038	+0.027	−0.023	−0.023	+0.031
64 S. P. ....	.062	.049	.067	.040	.029	.024	.024	.033
66 S. P. ....	.067	.052	.071	.043	.031	.026	.026	.036
68 S. P. ....	.072	.056	.077	.046	.033	.028	.028	.038
70 S. P. ....	.077	.061	.083	.050	.036	.030	.030	.041
+72 S. P.	−0.085	−0.066	+0.091	+0.054	+0.039	−0.033	−0.033	+0.045
+74 S. P.	−0.094	−0.074	+0.100	+0.060	+0.043	−0.037	−0.037	+0.050
76 S. P. ....	.105	.082	.112	.067	.049	.041	.041	.056
77 S. P. ....	.112	.088	.120	.072	.052	.044	.044	.060
78 S. P. ....	.120	.094	.129	.077	.056	.047	.047	.064
+79 S. P.	−0.130	−0.102	+0.139	+0.083	+0.060	−0.051	−0.051	+0.069
+80 S. P.	−0.141	−0.111	+0.151	+0.091	+0.066	−0.055	−0.055	+0.076
81 S. P. ....	.155	.122	.166	.100	.072	.061	.061	.083
82 S. P. ....	.172	.136	.185	.111	.080	.068	.068	.092
83 S. P. ....	.195	.153	.209	.125	.091	.077	.077	.105
+84 S. P.	−0.225	−0.177	+0.241	+0.145	+0.104	−0.088	−0.088	+0.120
+85 S. P.	−0.266	−0.209	+0.286	+0.171	+0.124	−0.105	−0.105	+0.143
86 S. P. ....	.329	.258	.352	.211	.152	.129	.129	.176
87 S. P. ....	.433	.340	.464	.278	.201	.170	.170	.232
88 S. P.	0.642	.505	0.688	.413	.298	.252	.252	.344
+89 S. P.	−1.266	−0.994	+1.356	+0.814	+0.588	−0.497	−0.497	+0.678
+89.....	+1.230	+0.967	−1.318	−0.791	−0.571	+0.483	+0.483	−0.659
88.....	0.606	.476	0.650	.390	.281	.238	.238	.325
87.....	.397	.312	.425	.256	.184	.156	.156	.213
86.....	.294	.231	.315	.189	.136	.115	.115	.157
+85.....	+0.231	+0.182	−0.248	−0.149	−0.107	+0.091	+0.091	−0.124
+84.....	+0.190	+0.149	−0.203	−0.122	−0.088	+0.075	+0.075	−0.102
83.....	.160	.126	.171	.103	.074	.063	.063	.086
82.....	.137	.108	.147	.088	.064	.054	.054	.074
81.....	.120	.094	.129	.077	.056	.047	.047	.064
+80.....	+0.106	+0.083	−0.114	−0.068	−0.049	+0.042	+0.042	−0.057
+79.....	+0.094	+0.074	−0.101	−0.061	−0.044	+0.037	+0.037	−0.051
78.....	.085	.067	.091	.055	.039	.033	.033	.045
77.....	.077	.060	.082	.049	.036	.030	.030	.041
76.....	.070	.055	.075	.045	.032	.027	.027	.037
+74.....	+0.058	+0.046	−0.063	−0.038	−0.027	+0.023	+0.023	−0.031
+72.....	+0.049	+0.039	−0.053	−0.032	−0.023	+0.019	+0.019	−0.026
70.....	.042	.033	.045	.027	.020	.017	.017	.023
68.....	.036	.029	.039	.023	.017	.014	.014	.019
66.....	.031	.025	.034	.020	.015	.012	.012	.017
+64.....	+0.027	+0.021	−0.029	−0.017	−0.013	+0.011	+0.011	−0.015
+62.....	+0.023	+0.018	−0.025	−0.015	−0.011	+0.009	+0.009	−0.013
60.....	.020	.016	.022	.013	.009	.008	.008	.011
50.....	.008	.007	.009	−0.005	−0.004	+0.003	+0.003	−0.004
40.....	+0.001	+0.001	−0.001	.000	.000	.000	.000	.000
30.....	−0.005	−0.004	+0.005	+0.003	+0.002	−0.002	−0.002	+0.003
+20.....	−0.010	−0.008	+0.010	+0.006	+0.004	−0.004	−0.004	+0.005
+10.....	−0.014	−0.011	+0.015	+0.009	+0.006	−0.005	−0.005	+0.007
0.....	.018	.014	.019	.011	.008	.007	.007	.009
−10.....	.021	.017	.023	.014	.010	.008	.008	.011
20.....	.026	.020	.027	.016	.012	.010	.010	.014
30.....	.030	.024	.032	.019	.014	.012	.012	.016
−40.....	−0.036	−0.028	+0.038	+0.023	+0.017	−0.014	−0.014	+0.019

TABLE VI.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Time of Transit Arising from the Finally Adopted Correction, Δa of Table XVIII, to the Preliminary Azimuths of the Marks—Continued.*

Decl.	1905 Oct. 21.3 to Dec. 8.0.	1905 Dec. 10.3 to Dec. 23.5	1905 Dec. 25.9 to Jan. 30.6.	1906 Jan. 31.2 to Mar. 2.4.	1906 Mar. 4.3 to Apr. 7.7	1906 Apr. 9.6 to May 4.7	1906 May 21.4 to July 28.5	1906 Aug. 4.4 to Sept. 19.7.
°	S	S	S	S	S	S	S	S
+62 s. p.	0.000	-0.042	+0.013	-0.004	+0.029	+0.071	+0.038	-0.008
64 s. p. ....	.000	.044	.013	.004	.031	.076	.040	.009
66 s. p. ....	.000	.048	.014	.005	.033	.081	.043	.010
68 s. p. ....	.000	.051	.015	.005	.036	.087	.046	.010
70 s. p. ....	.000	.055	.017	.006	.039	.094	.050	.011
+72 s. p.	0.000	-0.060	+0.018	-0.006	+0.042	+0.103	+0.054	-0.012
+74 s. p.	0.000	-0.067	+0.020	-0.007	+0.047	+0.114	+0.060	-0.013
76 s. p. ....	.000	.075	.022	.007	.052	.127	.067	.015
77 s. p. ....	.000	.080	.024	.008	.056	.136	.072	.016
78 s. p. ....	.000	.086	.026	.009	.060	.146	.077	.017
+79 s. p.	0.000	-0.093	+0.028	-0.009	+0.065	+0.157	+0.083	-0.019
+80 s. p.	0.000	-0.101	+0.030	-0.010	+0.071	+0.171	+0.091	-0.020
81 s. p. ....	.000	.111	.033	.011	.073	.188	.100	.022
82 s. p. ....	.000	.123	.037	.012	.086	.210	.111	.025
83 s. p. ....	.000	.139	.042	.014	.098	.237	.125	.028
+84 s. p.	0.000	-0.161	+0.048	-0.016	+0.112	+0.273	+0.145	-0.032
+85 s. p.	0.000	-0.190	+0.057	-0.019	+0.133	+0.324	+0.171	-0.038
86 s. p. ....	.000	.235	.070	.024	.164	.399	.211	.047
87 s. p. ....	.000	.309	.093	.031	.217	.526	.278	.062
88 s. p. ....	.000	.459	.137	.046	.321	.780	.413	.092
+89 s. p.	0.000	-0.904	+0.271	-0.090	+0.633	+1.537	+0.814	-0.181
+89.....	0.000	+0.879	-0.264	+0.088	-0.615	-1.494	-0.791	+0.176
88.....	.000	.433	.130	.043	.303	.736	.390	.087
87.....	.000	.284	.085	.028	.193	.482	.256	.057
86.....	.000	.210	.063	.021	.147	.357	.189	.042
+85.....	0.000	+0.165	-0.050	+0.017	-0.116	-1.281	-0.149	+0.033
+84.....	0.000	+0.135	-0.041	+0.014	-0.095	-1.230	-0.122	+0.027
83.....	.000	.114	.034	.011	.080	.194	.103	.023
82.....	.000	.098	.029	.010	.069	.167	.088	.020
81.....	.000	.086	.026	.009	.060	.146	.077	.017
+80.....	0.000	+0.076	-0.023	+0.008	-0.053	-1.129	-0.068	+0.015
+79.....	0.000	+0.067	-0.020	+0.007	-0.047	-1.115	-0.061	+0.014
78.....	.000	.061	.018	.006	.042	.103	.055	.012
77.....	.000	.055	.016	.005	.038	.093	.049	.011
76.....	.000	.050	.015	.005	.035	.085	.045	.010
+74.....	0.000	+0.042	-0.013	+0.004	-0.029	-1.071	-0.038	+0.008
+72.....	0.000	+0.035	-0.011	+0.004	-0.025	-1.060	-0.032	+0.007
70.....	.000	.030	.009	.003	.021	.051	.027	.006
68.....	.000	.026	.008	.003	.018	.044	.023	.005
66.....	.000	.022	.007	.002	.016	.038	.020	.004
+64.....	0.000	+0.020	-0.006	+0.002	-0.014	-1.033	-0.017	+0.004
+62.....	0.000	+0.017	-0.005	+0.002	-0.012	-1.028	-0.015	+0.003
60.....	.000	.014	.004	.001	.010	.024	.013	.003
50.....	.000	+0.006	-0.002	+0.001	-0.004	.010	-0.005	+0.001
40.....	.000	.000	.000	.000	.000	-0.001	.000	.000
30.....	.000	-0.004	+0.001	.000	+0.003	+0.006	+0.003	-0.001
+20.....	0.000	-0.007	+0.002	-0.001	+0.005	+0.012	+0.006	-0.001
+10.....	0.000	-0.010	+0.003	-0.001	+0.007	+0.017	+0.009	-0.002
0.....	.000	.013	.004	.001	.009	.021	.011	.003
-10.....	.000	.015	.005	.002	.011	.026	.014	.003
20.....	.000	.018	.005	.002	.013	.031	.016	.004
30.....	.000	.022	.006	.002	.015	.037	.019	.004
-40.....	0.000	-0.026	+0.008	-0.003	+0.018	+0.044	+0.023	-0.005

TABLE VI.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Time of Transit Arising from the Finally Adopted Correction, Δa of Table XVIII, to the Preliminary Azimuths of the Marks—Continued.*

Decl.	1906 Sept. 20.0 to Sept. 25.6.	1906 Sept. 29.3 to Oct. 25.7.	1907 Apr. 17.3 to June 15.4.	1907 June 16.6. to Aug. 3.0.	1907 Aug. 4.6 to Oct. 5.4.	1907 Oct. 6.7 to Dec. 8.8.	1907 Dec. 10.2 to Feb. 12.4.	1908 Feb. 16.5 to Apr. 22.5.
°	s	s	s	s	s	s	s	s
+62 s. P.	+0.059	+0.040	+0.054	+0.050	+0.004	-0.002	+0.013	+0.010
64 s. P. ....	.062	.042	.058	.053	.004	.002	.013	.011
66 s. P. ....	.067	.045	.062	.057	.005	.002	.014	.012
68 s. P. ....	.072	.049	.066	.061	.005	.003	.015	.013
70 s. P. ....	.077	.053	.072	.066	.006	.003	.017	.014
+72 s. P.	+0.085	+0.057	+0.079	+0.073	+0.006	-0.003	+0.018	+0.015
+74 s. P.	+0.094	+0.063	+0.087	+0.080	+0.007	-0.003	+0.020	+0.017
76 s. P. ....	.105	.071	.097	.090	.007	.004	.022	.019
77 s. P. ....	.112	.076	.104	.096	.008	.004	.024	.020
78 s. P. ....	.120	.081	.112	.103	.009	.004	.026	.021
+79 s. P.	+0.130	+0.088	+0.120	+0.111	+0.009	-0.005	+0.028	+0.023
+80 s. P.	+0.141	+0.096	+0.131	+0.121	+0.010	-0.005	+0.030	+0.025
81 s. P. ....	.155	.105	.144	.133	.011	.006	.033	.028
82 s. P. ....	.172	.117	.160	.148	.012	.006	.037	.031
83 s. P. ....	.195	.132	.181	.167	.014	.007	.042	.035
+84 s. P.	+0.225	+0.153	+0.209	+0.193	+0.016	-0.008	+0.048	+0.040
+85 s. P.	+0.266	+0.181	+0.248	+0.228	+0.019	-0.010	+0.057	+0.048
86 s. P. ....	.329	.223	.305	.282	.024	.012	.070	.059
87 s. P. ....	.433	.294	.402	.371	.031	.015	.093	.077
88 s. P.	0.642	.436	0.596	0.551	.046	.023	.137	.115
+89 s. P.	+1.266	+0.859	+1.175	+1.085	+0.090	-0.045	+0.271	+0.226
+89.....	-1.230	-0.835	-1.142	-1.055	-0.088	+0.044	-0.264	-0.220
88.....	0.606	.411	0.563	0.520	.043	.022	.130	.108
87.....	.397	.269	.369	.340	.028	.014	.085	.071
86.....	.294	.199	.273	.252	.021	.010	.063	.052
+85.....	-0.231	-0.157	-0.215	-0.198	-0.017	+0.008	-0.050	-0.041
+84.....	-0.190	-0.129	-0.176	-0.163	-0.014	+0.007	-0.041	-0.034
83.....	.160	.108	.148	.137	.011	.006	.034	.029
82.....	.137	.093	.128	.118	.010	.005	.029	.025
81.....	.120	.081	.111	.103	.009	.004	.026	.021
+80.....	-0.106	-0.072	-0.098	-0.091	-0.008	+0.004	-0.023	-0.019
+79.....	-0.094	-0.064	-0.088	-0.081	-0.007	+0.003	-0.020	-0.017
78.....	.085	.058	.079	.073	.006	.003	.018	.015
77.....	.077	.052	.071	.066	.005	.003	.016	.014
76.....	.070	.047	.065	.060	.005	.002	.015	.012
+74.....	-0.058	-0.040	-0.054	-0.050	-0.004	+0.002	-0.013	-0.010
+72.....	-0.049	-0.034	-0.046	-0.042	-0.004	+0.002	-0.011	-0.009
70.....	.042	.029	.039	.036	.003	.002	.009	.008
68.....	.036	.025	.034	.031	.003	.001	.008	.006
66.....	.031	.021	.029	.027	.002	.001	.007	.006
+64.....	-0.027	-0.018	-0.025	-0.023	-0.002	+0.001	-0.006	-0.005
+62.....	-0.023	-0.016	-0.022	-0.020	-0.002	+0.001	-0.005	-0.004
60.....	.020	.014	.019	.017	.001	+0.001	.004	.004
50.....	.008	-0.006	.008	.007	-0.001	.000	-0.002	-0.001
40.....	-0.001	.000	-0.001	-0.001	.000	.000	.000	.000
30.....	+0.005	+0.003	+0.005	+0.004	.000	.000	+0.001	+0.001
+20.....	+0.010	+0.007	+0.009	+0.008	+0.001	0.000	+0.002	+0.002
+10.....	+0.014	+0.009	+0.013	+0.012	+0.001	0.000	+0.003	+0.002
0.....	.018	.012	.016	.015	.001	-0.001	.004	.003
-10.....	.021	.015	.020	.018	.002	.001	.005	.004
20.....	.026	.017	.024	.022	.002	.001	.005	.005
30.....	.030	.020	.028	.026	.002	.001	.006	.005
-40.....	+0.036	+0.024	+0.033	+0.031	+0.003	-0.001	+0.008	+0.006

TABLE VI.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Time of Transit Arising from the Finally Adopted Correction, Δa of Table XVIII, to the Preliminary Azimuths of the Marks—Continued.*

Decl.	1908 Apr. 30.6 to June 10.1.	1908 June 11.4 to July 6.6.	1908 July 7.0 to Aug. 15.7.	1908 Aug. 17.9 to Sept. 15.7.	1908 Sept. 15.9 to Oct. 13.0.	1908 Oct. 13.1 to Oct. 30.0.	1908 Oct. 30.2 to Nov. 7.3.	1908 Nov. 8.5 to Dec. 3.0.
°	s	s	s	s	s	s	s	s
+62 s. P.	+0.019	+0.054	+0.042	-0.021	+0.029	-0.017	+0.019	-0.029
64 s. P. ....	.020	.058	.044	.022	.031	.018	.020	.031
66 s. P. ....	.021	.062	.048	.024	.033	.019	.021	.033
68 s. P. ....	.023	.066	.051	.026	.036	.020	.023	.036
70 s. P. ....	.025	.072	.055	.028	.039	.022	.025	.039
+72 s. P.	+0.027	+0.079	+0.060	-0.030	+0.042	-0.024	+0.027	-0.042
+74 s. P.	+0.030	+0.087	+0.067	-0.033	+0.047	-0.027	+0.030	-0.047
76 s. P. ....	.033	.097	.075	.037	.052	.030	.033	.052
77 s. P. ....	.036	.104	.080	.040	.056	.032	.036	.056
78 s. P. ....	.039	.112	.086	.043	.060	.034	.039	.060
+79 s. P.	+0.042	+0.120	+0.093	-0.046	+0.065	-0.037	+0.042	-0.065
+80 s. P.	+0.045	+0.131	+0.101	-0.050	+0.071	-0.040	+0.045	-0.071
81 s. P. ....	.050	.144	.111	.055	.078	.044	.050	.078
82 s. P. ....	.055	.160	.123	.062	.086	.049	.055	.086
83 s. P. ....	.063	.181	.139	.070	.098	.056	.063	.098
+84 s. P.	+0.072	+0.209	+0.161	-0.080	+0.112	-0.064	+0.072	-0.112
+85 s. P.	+0.086	+0.248	+0.190	-0.095	+0.133	-0.076	+0.086	-0.133
86 s. P. ....	.106	.305	.235	.118	.164	.094	.106	.164
87 s. P. ....	.139	.402	.309	.155	.217	.124	.139	.217
88 s. P. ....	.206	0.596	.459	.229	.321	.183	.206	.321
+89 s. P.	+0.407	+1.175	+0.904	-0.452	+0.633	-0.362	+0.407	-0.633
+89	-0.395	-1.142	-0.879	+0.439	-0.615	+0.352	-0.395	+0.615
88 .....	.195	0.563	.433	.217	.303	.173	.195	.303
87 .....	.128	.369	.284	.142	.198	.113	.128	.198
86 .....	.094	.273	.210	.105	.147	.084	.094	.147
+85	-0.074	-0.215	-0.165	+0.083	-0.116	+0.066	-0.074	+0.116
+84	-0.061	-0.176	-0.135	+0.068	-0.095	+0.054	-0.061	+0.095
83 .....	.051	.148	.114	.057	.080	.046	.051	.080
82 .....	.044	.128	.098	.049	.069	.039	.044	.069
81 .....	.039	.111	.086	.043	.060	.034	.039	.060
+80	-0.034	-0.098	-0.076	+0.038	-0.053	+0.030	-0.034	+0.053
+79	-0.030	-0.088	-0.067	+0.034	-0.047	+0.027	-0.030	+0.047
78 .....	.027	.079	.061	.030	.042	.024	.027	.042
77 .....	.025	.071	.055	.027	.038	.022	.025	.038
76 .....	.022	.065	.050	.025	.035	.020	.022	.035
+74	-0.019	-0.054	-0.042	+0.021	-0.029	+0.017	-0.019	+0.029
+72	-0.016	-0.046	-0.035	+0.018	-0.025	+0.014	-0.016	+0.025
70 .....	.014	.039	.030	.015	.021	.012	.014	.021
68 .....	.012	.034	.026	.013	.018	.010	.012	.018
66 .....	.010	.029	.022	.011	.016	.009	.010	.016
+64	-0.009	-0.025	-0.020	+0.010	-0.014	+0.008	-0.009	+0.014
+62	-0.008	-0.022	-0.017	+0.008	-0.012	+0.007	-0.008	+0.012
60 .....	.006	.019	.014	.007	.010	.006	.006	.010
50	-0.003	.008	-0.006	+0.003	-0.004	+0.002	-0.003	+0.004
40 .....	.000	-0.001	.000	.000	.000	.000	.000	.000
30	+0.002	+0.005	+0.004	-0.002	+0.003	-0.001	+0.002	-0.003
+20	+0.003	+0.009	+0.007	-0.003	+0.005	-0.003	+0.003	-0.005
+10	+0.004	+0.013	+0.010	-0.005	+0.007	-0.004	+0.004	-0.007
0 .....	.006	.016	.013	.006	.009	.005	.006	.009
-10 .....	.007	.020	.015	.008	.011	.006	.007	.011
20 .....	.008	.024	.018	.009	.013	.007	.008	.013
30 .....	.010	.028	.022	.011	.015	.009	.010	.015
-40	+0.012	+0.033	+0.026	-0.013	+0.018	-0.010	+0.012	-0.018

TABLE VI.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Time of Transit Arising from the Finally Adopted Correction, Δa of Table XVIII, to the Preliminary Azimuths of the Marks—Continued.*

Decl.	1908 Dec. 3.3 to Dec. 31.3.	1909 Jan. 1.2 to Jan. 18.7.	1909 Jan. 18.9 to Feb. 20.7.	1909 Feb. 24.5 to Mar. 24.0.	1909 Mar. 25.0 to Apr. 30.3.	1909 May 9.6 to June 14.6.	1909 June 15.6 to July 8.4.	1909 July 8.7 to July 15.0.
°	^s	^s	^s	^s	^s	^s	^s	^s
+62 S. P.	+0.021	-0.004	-0.008	0.000	+0.029	-0.021	0.042	+0.015
64 S. P. ....	.022	.004	.009	.000	.031	.022	.044	.016
66 S. P. ....	.024	.005	.010	.000	.033	.024	.048	.017
68 S. P. ....	.026	.005	.010	.000	.036	.026	.051	.018
70 S. P. ....	.028	.006	.011	.000	.039	.028	.055	.019
+72 S. P.	+0.030	-0.006	-0.012	0.000	+0.042	-0.030	+0.060	+0.021
+74 S. P.	+0.033	-0.007	-0.013	0.000	+0.047	-0.033	+0.067	+0.023
76 S. P. ....	.037	.007	.015	.000	.052	.037	.075	.026
77 S. P. ....	.040	.008	.016	.000	.056	.040	.080	.028
78 S. P. ....	.043	.009	.017	.000	.060	.043	.086	.030
+79 S. P.	+0.046	-0.009	-0.019	0.000	+0.065	-0.046	+0.093	+0.032
+80 S. P.	+0.050	-0.010	-0.020	0.000	+0.071	-0.050	+0.101	+0.035
81 S. P. ....	.055	.011	.022	.000	.078	.055	.111	.039
82 S. P. ....	.062	.012	.025	.000	.086	.062	.123	.043
83 S. P. ....	.070	.014	.028	.000	.098	.070	.139	.049
+84 S. P.	+0.080	-0.016	-0.032	0.000	+0.112	-0.080	+0.161	+0.056
+85 S. P.	+0.095	-0.019	-0.038	0.000	+0.133	-0.095	+0.190	+0.067
86 S. P. ....	.118	.024	.047	.000	.164	.118	.235	.082
87 S. P. ....	.155	.031	.062	.000	.217	.155	.309	.108
88 S. P. ....	.229	.046	.092	.000	.321	.229	.459	.160
+89 S. P.	+0.452	-0.090	-0.181	0.000	+0.633	-0.452	+0.904	+0.316
+89.....	-0.439	+0.088	+0.176	0.000	-0.615	+0.439	-0.879	-0.308
88.....	.217	.043	.087	.000	.303	.217	.433	.152
87.....	.142	.028	.057	.000	.198	.142	.284	.099
86.....	.105	.021	.042	.000	.147	.105	.210	.073
+85.....	-0.083	+0.017	+0.033	0.000	-0.116	+0.083	-0.165	-0.058
+84.....	-0.068	+0.014	+0.027	0.000	-0.095	+0.068	-0.135	-0.047
83.....	.057	.011	.023	.000	.080	.057	.114	.040
82.....	.049	.010	.020	.000	.069	.049	.098	.034
81.....	.043	.009	.017	.000	.060	.043	.086	.030
+80.....	-0.038	+0.008	+0.015	0.000	-0.053	+0.038	-0.076	-0.026
+79.....	-0.034	+0.007	+0.014	0.000	-0.047	+0.034	-0.067	-0.024
78.....	.030	.006	.012	.000	.042	.030	.061	.021
77.....	.027	.005	.011	.000	.038	.027	.055	.019
76.....	.025	.005	.010	.000	.035	.025	.050	.017
+74.....	-0.021	+0.004	+0.008	0.000	-0.029	+0.021	-0.042	-0.015
+72.....	-0.018	+0.004	+0.007	0.000	-0.025	+0.018	-0.035	-0.012
70.....	.015	.003	.006	.000	.021	.015	.030	.011
68.....	.013	.003	.005	.000	.018	.013	.026	.009
66.....	.011	.002	.004	.000	.016	.011	.022	.008
+64.....	-0.010	+0.002	+0.004	0.000	-0.014	+0.010	-0.020	-0.007
+62.....	-0.008	+0.002	+0.003	0.000	-0.012	+0.008	-0.017	-0.006
60.....	.007	.001	.003	.000	.010	.007	.014	.005
50.....	-0.003	+0.001	+0.001	.000	-0.004	+0.003	.006	-0.002
40.....	.000	.000	.000	.000	.000	.000	.000	.000
30.....	+0.002	.000	-0.001	.000	+0.003	-0.002	+0.004	+0.001
+20.....	+0.003	-0.001	-0.001	0.000	+0.005	-0.003	+0.007	+0.002
+10.....	+0.005	-0.001	-0.002	0.000	+0.007	-0.005	+0.010	+0.003
0.....	.006	.001	.003	.000	.009	.006	.013	.004
-10.....	.008	.002	.003	.000	.011	.008	.015	.005
20.....	.009	.002	.004	.000	.013	.009	.018	.006
30.....	.011	.002	.004	.000	.015	.011	.022	.008
-40.....	+0.013	-0.003	-0.005	0.000	+0.018	-0.013	+0.026	+0.009

TABLE VI.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Time of Transit Arising from the Finally Adopted Correction, Δa of Table XVIII, to the Preliminary Azimuths of the Marks—Continued.*

Decl.	1909 July 15.3 to July 26.2.	1909 July 27.0 to Aug. 22.6.	1909 Aug. 23.0 to Aug. 31.5.	1909 Sept. 1.0 to Sept. 10.8.	1909 Sept. 11.0 to Sept. 23.6.	1909 Sept. 29.0 to Oct. 6.3.	1909 Oct. 6.7 to Oct. 15.2.	1909 Oct. 18.0 to Oct. 26.5.
°	s	s	s	s	s	s	s	s
+62 s. P.	−0.010	−0.008	+0.033	−0.027	−0.004	+0.033	−0.038	+0.008
64 s. P. ....	.011	.009	.036	.029	.004	.036	.040	.009
66 s. P. ....	.012	.010	.038	.031	.005	.038	.043	.010
68 s. P. ....	.013	.010	.041	.033	.005	.041	.046	.010
70 s. P. ....	.014	.011	.044	.036	.006	.044	.050	.011
+72 s. P.	−0.015	−0.012	+0.048	−0.039	−0.006	+0.048	−0.054	+0.012
+74 s. P.	−0.017	−0.013	+0.053	−0.043	−0.007	+0.053	−0.060	+0.013
76 s. P. ....	.019	.015	.060	.049	.007	.060	.067	.015
77 s. P. ....	.020	.016	.064	.052	.008	.064	.072	.016
78 s. P. ....	.021	.017	.069	.056	.009	.069	.077	.017
+79 s. P.	−0.023	−0.019	+0.074	−0.060	−0.009	+0.074	−0.083	+0.019
+80 s. P.	−0.025	−0.020	+0.081	−0.066	−0.010	+0.081	−0.091	+0.020
81 s. P. ....	.028	.022	.089	.072	.011	.089	.100	.022
82 s. P. ....	.031	.025	.099	.080	.012	.099	.111	.025
83 s. P. ....	.035	.028	.111	.091	.014	.111	.125	.028
+84 s. P.	−0.040	−0.032	+0.128	−0.104	−0.016	+0.128	−0.145	+0.032
+85 s. P.	−0.048	−0.038	+0.152	−0.124	−0.019	+0.152	−0.171	+0.038
86 s. P. ....	.059	.047	.188	.152	.024	.188	.211	.047
87 s. P. ....	.077	.062	.248	.201	.031	.248	.278	.062
88 s. P. ....	.115	.092	.367	.298	.046	.367	.413	.092
+89 s. P.	−0.226	−0.181	+0.723	−0.588	−0.090	+0.723	−0.814	+0.181
+89.....	+0.220	+0.176	−0.703	+0.571	+0.088	−0.703	+0.791	−0.176
88.....	.108	.087	.346	.281	.043	.346	.390	.087
87.....	.071	.057	.227	.184	.028	.227	.255	.057
86.....	.052	.042	.168	.136	.021	.168	.189	.042
+85.....	+0.041	+0.033	−0.132	+0.107	+0.017	−0.132	+0.149	−0.033
+84.....	+0.034	+0.027	−0.108	+0.088	+0.014	−0.108	+0.122	−0.027
83.....	.029	.023	.091	.074	.011	.091	.103	.023
82.....	.025	.020	.079	.064	.010	.079	.088	.020
81.....	.021	.017	.069	.056	.009	.069	.077	.017
+80.....	+0.019	+0.015	−0.061	+0.049	+0.008	−0.061	+0.068	−0.015
+79.....	+0.017	+0.014	−0.054	+0.044	+0.007	−0.054	+0.061	−0.014
78.....	.015	.012	.049	.039	.006	.049	.055	.012
77.....	.014	.011	.044	.036	.005	.044	.049	.011
76.....	.012	.010	.040	.032	.005	.040	.045	.010
+74.....	+0.010	+0.008	−0.033	+0.027	+0.004	−0.033	+0.038	−0.008
+72.....	+0.009	+0.007	−0.028	+0.023	+0.004	−0.028	+0.032	−0.007
70.....	.008	.006	.024	.020	.003	.024	.027	.006
68.....	.006	.005	.021	.017	.003	.021	.023	.005
66.....	.006	.004	.018	.015	.002	.018	.020	.004
+64.....	+0.005	+0.004	−0.015	+0.013	+0.002	−0.015	+0.017	−0.004
+62.....	+0.004	+0.003	−0.013	+0.011	+0.002	−0.013	+0.015	−0.003
60.....	.004	.003	.012	.009	.001	.012	.013	.003
50.....	+0.001	+0.001	−0.005	+0.004	+0.001	−0.005	+0.005	−0.001
40.....	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.....	−0.001	−0.001	+0.003	−0.002	.000	+0.003	−0.003	+0.001
+20.....	−0.002	−0.001	+0.006	−0.004	−0.001	+0.006	−0.006	+0.001
+10.....	−0.002	−0.002	+0.008	−0.006	−0.001	+0.008	−0.009	+0.002
0.....	.003	.003	.010	.008	.001	.010	.011	.003
−10.....	.004	.003	.012	.010	.002	.012	.014	.003
20.....	.005	.004	.015	.012	.002	.015	.016	.004
30.....	.005	.004	.017	.014	.002	.017	.019	.004
−40.....	−0.006	−0.005	+0.020	−0.017	−0.003	+0.020	−0.023	+0.005

TABLE VI.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Time of Transit Arising from the Finally Adopted Correction, Δa of Table XVIII, to the Preliminary Azimuths of the Marks—Continued.*

Decl.	1919 Oct. 26.6 to Nov. 5.3.	1909 Nov. 10.0 to Nov. 16.0	1909 Nov. 19.2 to Dec. 2.3	1909 Dec. 2.7 to Dec. 18.3	1909 Dec. 20.3 to Dec. 26.8	1909 Dec. 27.6 to Jan. 19.5.	1910 Jan. 19.7 to Feb. 2.4	1910 Feb. 3.8 to Feb. 26.6
°	s	s	s	s	s	s	s	s
+62 s. P.	−0.023	+0.004	−0.002	+0.004	−0.021	+0.019	−0.004	−0.013
64 s. P. ....	.024	.004	.002	.004	.022	.020	.004	.013
66 s. P. ....	.026	.005	.002	.005	.024	.021	.005	.014
68 s. P. ....	.028	.005	.003	.005	.026	.023	.005	.015
70 s. P. ....	.030	.006	.003	.006	.028	.025	.006	.017
+72 s. P.	−0.033	+0.006	−0.003	+0.006	−0.030	+0.027	−0.006	−0.018
+74 s. P.	−0.037	+0.007	−0.003	+0.007	−0.033	+0.030	−0.007	−0.020
76 s. P. ....	.041	.007	.004	.007	.037	.033	.007	.022
77 s. P. ....	.044	.008	.004	.008	.040	.036	.008	.024
78 s. P. ....	.047	.009	.004	.009	.043	.039	.009	.026
+79 s. P.	−0.051	+0.009	−0.005	+0.009	−0.046	+0.042	−0.009	−0.028
+80 s. P.	−0.055	+0.010	−0.005	+0.010	−0.050	+0.045	−0.011	−0.030
81 s. P. ....	.061	.011	.006	.011	.055	.050	.011	.033
82 s. P. ....	.068	.012	.006	.012	.062	.055	.012	.037
83 s. P. ....	.077	.014	.007	.014	.070	.063	.014	.042
+84 s. P.	−0.088	+0.016	−0.008	+0.016	−0.080	+0.072	−0.016	−0.048
+85 s. P.	−0.105	+0.019	−0.010	+0.019	−0.095	+0.086	−0.019	−0.057
86 s. P. ....	.129	.024	.012	.024	.118	.106	.024	.070
87 s. P. ....	.170	.031	.015	.031	.155	.139	.031	.093
88 s. P. ....	.252	.046	.023	.046	.229	.206	.046	.137
+89 s. P.	−0.497	+0.090	−0.045	+0.090	−0.452	+0.407	−0.090	−0.271
+89.....	+0.483	−0.088	+0.044	−0.088	+0.439	−0.395	+0.088	+0.264
88.....	.238	.043	.022	.043	.217	.195	.043	.130
87.....	.156	.028	.014	.028	.142	.128	.028	.085
86.....	.145	.021	.010	.021	.105	.094	.021	.063
+85.....	+0.091	−0.017	+0.008	−0.017	+0.083	−0.074	+0.017	+0.050
+84.....	+0.075	−0.014	+0.007	−0.014	+0.068	−0.061	+0.014	+0.041
83.....	.063	.011	.006	.011	.057	.051	.011	.034
82.....	.054	.010	.005	.010	.049	.044	.010	.029
81.....	.047	.009	.004	.009	.043	.039	.009	.026
+80.....	+0.042	−0.008	+0.004	−0.008	+0.038	−0.034	+0.008	+0.023
+79.....	+0.037	−0.007	+0.003	−0.007	+0.034	−0.030	+0.007	+0.020
78.....	.033	.006	.003	.006	.030	.027	.006	.018
77.....	.030	.005	.003	.005	.027	.025	.005	.016
76.....	.027	.005	.002	.005	.025	.022	.005	.015
+74.....	+0.023	−0.004	+0.002	−0.004	+0.021	−0.019	+0.004	+0.013
+72.....	+0.019	−0.004	+0.002	−0.004	+0.018	−0.016	+0.004	+0.011
70.....	.017	.003	.002	.003	.015	.014	.003	.009
68.....	.014	.003	.001	.003	.013	.012	.003	.008
66.....	.012	.002	.001	.002	.011	.010	.002	.007
+64.....	+0.011	−0.002	+0.001	−0.002	+0.010	−0.009	+0.002	+0.006
+62.....	+0.009	−0.002	+0.001	−0.002	+0.008	−0.008	+0.002	+0.005
60.....	.008	.001	+0.001	.001	.007	.006	.001	.004
50.....	+0.003	−0.001	.000	−0.001	+0.003	−0.003	+0.001	+0.002
40.....	.000	.000	.000	.000	.000	.000	.000	.000
30.....	−0.002	.000	.000	.000	−0.002	+0.002	.000	−0.001
+20.....	−0.004	+0.001	0.000	+0.001	−0.003	+0.003	−0.001	−0.002
+10.....	−0.005	+0.001	0.000	+0.001	−0.005	+0.004	−0.001	−0.003
0.....	.007	.001	−0.001	.001	.006	.006	.001	.004
−10.....	.008	.002	.001	.002	.008	.007	.002	.005
20.....	.010	.002	.001	.002	.009	.008	.002	.005
30.....	.012	.002	.001	.002	.011	.010	.002	.006
−40.....	−0.014	+0.003	−0.001	+0.003	−0.013	+0.012	−0.003	−0.008

TABLE VI.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Time of Transit Arising from the Finally Adopted Correction, Δa of Table XVIII, to the Preliminary Azimuths of the Marks—Continued.*

Decl.	1910 Mar. 3.3 to Mar. 18.3.	1910 Mar. 18.7 to Mar. 22.5.	1910 Mar. 22.9 to Apr. 16.1.	1910 Apr. 18.0 to May 7.0.	1910 May 9.4 to May 15.4.	1910 May 15.6 to June 16.3.	1910 June 19.4 to July 22.5.	1910 July 22.7 to Aug. 18.4.	1910 Aug. 19.0 to Sept. 17.5.
+62 s. P.	^s -0.008	^s +0.008	^s -0.006	^s +0.027	^s -0.038	^s +0.002	^s +0.004	^s +0.002	^s +0.025
64 s. P. ....	.009	.009	.007	.029	.040	.002	.004	.002	.027
66 s. P. ....	.010	.010	.007	.031	.043	.002	.005	.002	.029
68 s. P. ....	.010	.010	.008	.033	.046	.003	.005	.003	.031
70 s. P. ....	.011	.011	.008	.036	.050	.003	.006	.003	.033
+72 s. P.	-0.012	+0.012	-0.009	+0.039	-0.054	+0.003	+0.006	+0.003	+0.036
+74 s. P.	-0.013	+0.013	-0.010	+0.043	-0.060	+0.003	+0.007	+0.003	+0.040
76 s. P. ....	.015	.015	.011	.049	.067	.004	.007	.004	.045
77 s. P. ....	.016	.016	.012	.052	.072	.004	.008	.004	.048
78 s. P. ....	.017	.017	.013	.056	.077	.004	.009	.004	.051
+79 s. P.	-0.019	+0.019	-0.014	+0.060	-0.083	+0.005	+0.009	+0.005	+0.056
+80 s. P.	-0.020	+0.020	-0.015	+0.066	-0.091	+0.005	+0.010	+0.005	+0.061
81 s. P. ....	.022	.022	.017	.072	.100	.006	.011	.006	.066
82 s. P. ....	.025	.025	.019	.080	.111	.006	.012	.006	.074
83 s. P. ....	.028	.028	.021	.091	.125	.007	.014	.007	.084
+84 s. P.	-0.032	+0.032	-0.024	+0.104	-0.145	+0.008	+0.016	+0.008	+0.096
+85 s. P.	-0.038	+0.038	-0.029	+0.124	-0.171	+0.010	+0.019	+0.010	+0.114
86 s. P. ....	.047	.047	.035	.152	.211	.012	.024	.012	.141
87 s. P. ....	.062	.062	.046	.201	.278	.015	.031	.015	.186
88 s. P. ....	.092	.092	.069	.298	.413	.023	.046	.023	.275
+89 s. P.	-0.181	+0.181	-0.136	+0.588	-0.814	+0.045	+0.090	+0.045	+0.542
+89.....	+0.176	-0.176	+0.132	-0.571	+0.791	-0.044	-0.088	-0.044	-0.527
88.....	.087	.087	.065	.281	.390	.022	.043	.022	.260
87.....	.057	.057	.043	.184	.255	.014	.028	.014	.170
86.....	.042	.042	.031	.136	.189	.010	.021	.010	.126
+85.....	+0.033	-0.033	+0.025	-0.107	+0.149	-0.008	-0.017	-0.008	-0.099
+84.....	+0.027	-0.027	+0.020	-0.088	+0.122	-0.007	-0.014	-0.007	-0.081
83.....	.023	.023	.017	.074	.103	.006	.011	.006	.068
82.....	.020	.020	.015	.064	.088	.005	.010	.005	.059
81.....	.017	.017	.013	.056	.077	.004	.009	.004	.051
+80.....	+0.015	-0.015	+0.011	-0.049	+0.068	-0.004	-0.008	-0.004	-0.045
+79.....	+0.014	-0.014	+0.010	-0.044	+0.061	-0.003	-0.007	-0.003	-0.041
78.....	.012	.012	.009	.039	.055	.003	.006	.003	.037
77.....	.011	.011	.008	.036	.049	.003	.005	.003	.033
76.....	.010	.010	.007	.032	.045	.002	.005	.002	.030
+74.....	+0.008	-0.008	+0.006	-0.027	+0.038	-0.002	-0.004	-0.002	-0.025
+72.....	+0.007	-0.007	+0.005	-0.023	+0.032	-0.002	-0.004	-0.002	-0.021
70.....	.006	.006	.005	.020	.027	.002	.003	.002	.018
68.....	.005	.005	.004	.017	.023	.001	.003	.001	.015
66.....	.004	.004	.003	.015	.020	.001	.002	.001	.013
+64.....	+0.004	-0.004	+0.003	-0.013	+0.017	-0.001	-0.002	-0.001	-0.011
+62.....	+0.003	-0.003	+0.003	-0.011	+0.015	-0.001	-0.002	-0.001	-0.010
60.....	.003	.003	.002	.009	.013	.001	.001	.001	.009
50.....	+0.001	-0.001	+0.001	-0.004	+0.005	.000	-0.001	.000	-0.004
40.....	.000	.000	.000	.000	.000	.000	.000	.000	.000
30.....	-0.001	+0.001	-0.001	+0.002	-0.003	.000	.000	.000	+0.002
+20.....	-0.001	+0.001	-0.001	+0.004	-0.006	0.000	+0.001	0.000	+0.004
+10.....	-0.002	+0.002	-0.001	+0.006	-0.009	0.000	+0.001	0.000	+0.006
0.....	.003	.003	.002	.008	.011	+0.001	.001	+0.001	.008
-10.....	.003	.003	.002	.010	.014	.001	.002	.001	.009
20.....	.004	.004	.003	.012	.016	.001	.002	.001	.011
30.....	.004	.004	.003	.014	.019	.001	.002	.001	.013
-40.....	-0.005	+0.005	-0.004	+0.017	-0.023	+0.001	+0.003	+0.001	+0.015

TABLE VI.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Time of Transit Arising from the Finally Adopted Correction, Δa of Table XVIII, to the Preliminary Azimuths of the Marks—Continued.*

Decl.	1910 Sept. 20.2 to Oct. 13.2.	1910 Oct. 13.7 to Nov. 1.0.	1910 Nov. 1.6 to Nov. 23.0.	1910 Nov. 24.7 to Dec. 15.6.	1910 Dec. 16.0 to Jan. 24.8.	1911 Jan. 24.9 to Feb. 23.8.	1911 Feb. 24.0 to Mar. 10.8.	1911 Mar. 10.9 to Mar. 20.3.	1911 Mar. 20.7 to Apr. 10.7.
°	^s	^s	^s	^s	^s	^s	^s	^s	^s
+62 s. P.	-0.013	0.000	-0.042	+0.017	-0.004	-0.004	-0.006	-0.002	+0.006
64 s. P. ....	.013	.000	.044	.018	.004	.004	.007	.002	.007
66 s. P. ....	.014	.000	.048	.019	.005	.005	.007	.002	.007
68 s. P. ....	.015	.000	.051	.020	.005	.005	.008	.003	.008
70 s. P. ....	.017	.000	.055	.022	.006	.006	.008	.003	.008
+72 s. P.	-0.018	0.000	-0.060	+0.024	-0.006	-0.006	-0.009	-0.003	+0.009
+74 s. P.	-0.020	0.000	-0.067	+0.027	-0.007	-0.007	-0.010	-0.003	+0.010
76 s. P. ....	.022	.000	.075	.030	.007	.007	.011	.004	.011
77 s. P. ....	.024	.000	.080	.032	.008	.008	.012	.004	.012
78 s. P. ....	.026	.000	.086	.034	.009	.009	.013	.004	.013
+79 s. P.	-0.028	0.000	-0.093	+0.037	-0.009	-0.009	-0.014	-0.005	+0.014
+80 s. P.	-0.030	0.000	-0.101	+0.040	-0.010	-0.010	-0.015	-0.005	+0.015
81 s. P. ....	.033	.000	.111	.044	.011	.011	.017	.006	.017
82 s. P. ....	.037	.000	.123	.049	.012	.012	.019	.006	.019
83 s. P. ....	.042	.000	.139	.056	.014	.014	.021	.007	.021
+84 s. P.	-0.048	0.000	-0.161	+0.064	-0.016	-0.016	-0.024	-0.008	+0.024
+85 s. P.	-0.057	0.000	-0.190	+0.076	-0.019	-0.019	-0.029	-0.010	+0.029
86 s. P. ....	.070	.000	.235	.094	.024	.024	.035	.012	.035
87 s. P. ....	.093	.000	.309	.124	.031	.031	.046	.015	.046
88 s. P. ....	.137	.000	.459	.183	.046	.046	.069	.023	.069
+89 s. P.	-0.271	0.000	-0.904	+0.362	-0.090	-0.090	-0.136	-0.045	+0.136
+89.	+0.264	0.000	+0.879	-0.352	+0.088	+0.088	+0.132	+0.044	-0.132
88. ....	.130	.000	.433	.173	.043	.043	.065	.022	.065
87. ....	.085	.000	.284	.113	.028	.028	.043	.014	.043
86. ....	.063	.000	.210	.084	.021	.021	.031	.010	.031
+85.	+0.050	0.000	+0.165	-0.066	+0.017	+0.017	+0.025	+0.008	-0.025
+84.	+0.041	0.000	+0.135	-0.054	+0.014	+0.014	+0.020	+0.007	-0.020
83. ....	.034	.000	.114	.046	.011	.011	.017	.006	.017
82. ....	.029	.000	.098	.039	.010	.010	.015	.005	.015
81. ....	.026	.000	.086	.034	.009	.009	.013	.004	.013
+80.	+0.023	0.000	+0.076	-0.030	+0.008	+0.008	+0.011	+0.004	-0.011
+79.	+0.020	0.000	+0.067	-0.027	+0.007	+0.007	+0.010	+0.003	-0.010
78. ....	.018	.000	.061	.024	.006	.006	.009	.003	.009
77. ....	.016	.000	.055	.022	.005	.005	.008	.003	.008
76. ....	.015	.000	.050	.020	.005	.005	.007	.002	.007
+74.	+0.013	0.000	+0.042	-0.017	+0.004	+0.004	+0.006	+0.002	-0.006
+72.	+0.011	0.000	+0.035	-0.014	+0.004	+0.004	+0.005	+0.002	-0.005
70. ....	.009	.000	.030	.012	.003	.003	.005	.002	.005
68. ....	.008	.000	.026	.010	.003	.003	.004	.001	.004
66. ....	.007	.000	.022	.009	.002	.002	.003	.001	.003
+64.	+0.006	0.000	+0.020	-0.008	+0.002	+0.002	+0.003	+0.001	-0.003
+62.	+0.005	0.000	+0.017	-0.007	+0.002	+0.002	+0.003	+0.001	-0.003
60. ....	.004	.000	.014	.006	.001	.001	.002	+0.001	.002
50.	+0.002	.000	+0.006	-0.002	+0.001	+0.001	+0.001	.000	-0.001
40. ....	.000	.000	.000	.000	.000	.000	.000	.000	.000
30.	-0.001	.000	-0.004	+0.001	.000	.000	-0.001	.000	+0.001
+20.	-0.002	0.000	-0.007	+0.003	-0.001	-0.001	-0.001	0.000	+0.001
+10.	-0.003	0.000	-0.010	+0.004	-0.001	-0.001	-0.001	0.000	+0.001
0. ....	.004	.000	.013	.005	.001	.001	.002	-0.001	.002
-10. ....	.005	.000	.015	.006	.002	.002	.002	.001	.002
20. ....	.005	.000	.018	.007	.002	.002	.003	.001	.003
30. ....	.006	.000	.022	.009	.002	.002	.003	.001	.003
-40.	-0.008	0.000	-0.026	+0.010	-0.003	-0.003	-0.004	-0.001	+0.004

TABLE VII.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Clock Corrections Arising from the Definitive Positions of the Clock Stars and the Finally Adopted Azimuths of the Marks.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1903	s	1903	s	1903	s	1904	s
Sept. 3	+0.017	Oct. 22	+0.013 ¹¹	Dec. 22	+0.005	Mar. 10	-0.030
5	+ .022	25	- .027 ¹	23	+ .009	15	- .007
6	+ .006	26	+ .026	26	.000	16	- .004
7	+ .007	27	+ .015	27	+ .001	18	- .014
10	+ .005	28	+ .018	28	+ .011	22	- .009
11	+ .001	29	+ .022	29	+ .005	23	- .003
12	+ .006	Nov. 2	- .016	30	.000	24	- .034 ¹
13	- .014 ¹	3	+ .013	31	+ .002	25	- .003
14	+ .010	4	+ .035	1904		27	- .012
15	.000	6	+ .020	Jan. 13	+ .001	28	- .002
16	+ .004	7	+ .035	14	- .002	29	- .008
18	- .010	8	- .016	15	- .013	Apr. 1	- .003
19	- .004	9	+ .006	18	+ .016 ¹	2	- .010
21	- .004	10	+ .016	24	- .004	3	- .012
22	+ .001	11	- .008	25	- .014	4	- .009
23	- .002	12	- .003	27	- .006 ¹²	5	- .010
24	+ .002	20	+ .006	27	- .004 ¹³	7	- .013
25	- .003	21	+ .001	30	- .005	9	- .027
26	+ .009	22	+ .028	Feb. 2	+ .005	11	- .020
27	- .009	23	- .005	3	- .010	12	+ .007
28	+ .003	24	+ .006	4	- .009	13	- .010
29	.000	25	+ .007	6	- .019	14	- .010
30	+ .006	26	+ .016	8	- .013	15	.000
Oct. 1	- .004	27	+ .002	9	- .017	16	- .014
4	+ .014	28	+ .006	11	- .012	17	+ .011
6	+ .025	29	- .001	13	- .004	18	- .002
7	+ .031	30	+ .011	14	- .004	19	- .007
12	+ .015	Dec. 1	+ .006	15	- .019	20	- .009
13	+ .010	3	- .008	20	- .014	21	- .005
14	+ .024	5	+ .015	22	- .010	22	- .008
15	+ .031	6	- .017	23	- .014	May 1	- .009
18	- .021 ¹	7	- .009	24	- .010	2	- .006
19	+ .036 ²	9	- .004	25	- .031	3	- .003
19	+ .017 ³	11	- .006	27	- .037	4	- .008
19	- .025 ⁴	14	+ .001	Mar. 1	- .013	5	- .007
20	+ .030 ⁵	15	+ .009	2	- .019	7	- .003
20	+ .013 ⁶	16	+ .010	3	- .010	8	+ .002
20	- .022 ^{7,1}	17	+ .003	4	- .008	11	- .004
21	+ .027 ⁸	18	+ .012	5	- .021	12	- .001
21	- .012 ⁹	20	+ .002	8	- .007	13	- .007
22	+0.028 ¹⁰	21	+0.001	9	-0.007	15	-0.001

¹ For additional corrections, see page ALVI.² Sidereal time 20^h.3 to 22^h.6.³ Sidereal time 23^h.3 to 4^h.9.⁴ Sidereal time 6^h.0 to 8^h.7.⁵ Sidereal time 20^h.1 to 23^h.1.⁶ Sidereal time 23^h.9 to 5^h.5.⁷ Sidereal time 6^h.8 to 9^h.1.⁸ Sidereal time 20^h.3 to 23^h.2.⁹ Sidereal time 6^h.5 to 9^h.4.¹⁰ Sidereal time 20^h.3 to 23^h.0.¹¹ Sidereal time 23^h.9 to 5^h.5.¹² Sidereal time 2^h.2 to 7^h.2.¹³ Sidereal time 13^h.9 to 15^h.2.

TABLE VII.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Clock Corrections Arising from the Definitive Positions of the Clock Stars and the Finally Adopted Azimuths of the Marks—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1904	s	1904	s	1904	s	1905	s
May 16	-0.008	July 29	+0.011	Oct. 24	+0.004	Jan. 4	+0.020
23	- .030	30	.000	25	+ .051	12	- .023
24	+ .012	31	+ .005	26	- .023	13	- .018
25	- .004	Aug. 2	+ .004	27	+ .012	14	- .028
26	- .014	3	+ .010	28	+ .005	15	- .017
27	+ .012	4	+ .008	29	+ .011	16	- .014
28	+ .013	6	+ .006	30	- .016	18	- .022
29	- .006	11	- .002	31	+ .016	19	- .024
June 3	+ .004	12	- .005	Nov. 1	+ .009	20	- .033
6	.000	14	- .004	2	+ .026	21	- .018
8	+ .023	15	- .006	3	+ .026	22	- .008
11	+ .010	Sept. 6	+ .017	5	+ .025	27	- .029
12	+ .008	7	+ .032	6	- .009	28	- .015
13	+ .018	8	+ .012	7	+ .046	30	- .026
14	+ .013	10	+ .035	11	+ .009	Feb. 2	- .012
15	.000	11	+ .013	14	+ .019	6	- .029
17	+ .006	15	+ .028	15	+ .031	7	- .035
18	+ .006	16	+ .024	16	+ .010	9	- .037
20	+ .012	17	+ .025	17	+ .014	10	- .024
22	+ .006	21	+ .027	18	+ .014	11	- .018
23	+ .007	22	+ .013	19	+ .021	13	- .018
24	+ .001	23	+ .015	20	+ .012	14	- .023
26	+ .002	25	+ .020	21	+ .018	15	- .024
30	- .003	26	+ .020	23	+ .028	16	- .027
July 1	+ .012	28	+ .030	24	- .010	17	- .013
2	- .010	29	+ .044	26	+ .023	18	- .025
5	+ .020	30	- .027	28	+ .023	20	- .016
6	+ .014	Oct. 1	+ .028	30	+ .016	23	- .021
7	.000	3	+ .021	Dec. 1	+ .011	24	- .028
10	- .002	4	+ .006	6	+ .026	Mar. 1	- .010
11	+ .002	5	+ .027	7	+ .010	2	- .025
12	- .004	7	+ .035	8	+ .010	6	- .030
13	- .003	9	+ .007	12	+ .028	10	- .017
14	+ .019	10	+ .030	13	+ .022	12	- .003
15	+ .013	13	+ .025	14	+ .015	13	- .016
16	+ .016	14	+ .020	16	+ .004	15	- .012
17	.000	15	+ .029	18	+ .004	16	- .028
18	+ .013	16	+ .012	19	+ .006	17	- .021
19	+ .006	17	+ .024	20	+ .014	18	- .027
20	+ .006	18	+ .016	21	- .002	23	- .038
22	- .001	19	+ .042	22	+ .012	25	- .008
25	+ .003	21	+ .009	28	+ .024	26	+ .004
26	- .002	22	+ .012	29	+ .007	27	- .014
27	+0.015	23	+0.019	30	+0.018	28	-0.006

TABLE VII.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Clock Corrections Arising from the Definitive Positions of the Clock Stars and the Finally Adopted Azimuths of the Marks—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1905	s	1905	s	1905	s	1905	s
Mar. 29	-0.018	June 9	-0.006	Oct. 4	-0.003	Dec. 11	+0.004
30	+ .001	13	- .011	5	- .002	12	- .003
31	- .013	14	+ .004	6	- .002	13	+ .006
Apr. 1	- .014	15	- .009	7	- .004	14	+ .024
2	+ .004	16	- .006	8	- .007	16	+ .007
4	- .021	17	.000	9	.000	18	+ .020
7	+ .005	18	+ .009	11	+ .006	19	+ .012
8	- .006	19	+ .002	12	- .006	21	+ .021
9	+ .003	21	+ .008	13	- .007	22	+ .022
13	- .005	Aug. 13	- .001	14	- .008	23	- .002
14	+ .002	15	+ .027	15	- .020	26	- .007
16	+ .001	17	+ .001	16	- .019	27	+ .003
17	- .005	18	+ .013	17	- .002	29	+ .002
18	.000	19	+ .008	21	- .006	30	+ .005
19	+ .002	21	+ .014	22	- .014	1906	
20	- .001	22	+ .014	23	+ .004	Jan. 1	+ .001
22	- .005	23	+ .011	28	+ .008	2	+ .005
23	+ .003	26	+ .020	29	- .015	5	- .007
24	+ .006	28	+ .009	30	- .010	6	- .014
25	- .007	29	+ .014	31	+ .006	9	- .019
27	- .007	30	+ .021	Nov. 1	- .003	10	- .014
28	- .009	31	+ .014	2	- .013	12	- .002
30	- .018	Sept. 4	+ .023	3	- .019	16	+ .004
May 1	- .011	5	+ .030	6	+ .013	18	- .016 ¹
2	- .006	6	+ .020	8	- .003	18	+ .010 ²
7	- .005	7	+ .017	10	- .011	24	- .012
8	- .005	8	+ .021	11	- .019	28	+ .002
12	- .006	9	+ .015	12	- .011	29	- .005
16	- .005	12	+ .018	14	- .006	30	- .013
18	+ .009	13	+ .006	16	- .022	31	- .003
19	+ .004	14	+ .015	17	+ .008	Feb. 2	- .013
20	- .005	15	+ .014	20	- .002	3	+ .002
21	+ .003	18	+ .014	21	- .007	4	- .027
22	- .011	19	+ .014	22	- .010	5	- .020
23	.000	21	+ .020	23	- .001	7	- .010
24	+ .005	22	+ .020	25	- .006	9	- .006
25	- .006	24	+ .002	26	- .013	10	- .010
27	- .011	25	+ .026	29	- .005	13	- .014
28	+ .008	26	+ .013	Dec. 1	+ .006	15	- .011
June 1	+ .008	27	+ .014	4	+ .002	16	- .001
2	- .003	28	+ .006	5	- .004	17	- .027
3	+ .008	29	+ .008	6	+ .001	19	- .006
5	- .022	30	+ .017	7	- .003	20	- .016
8	-0.003	Oct. 3	-0.010	10	+0.012	22	-0.008

¹ Sidereal time 2^h.2 to 3^h.6.² Sidereal time 4^h.8 to 9^h.2

TABLE VII.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Clock Corrections Arising from the Definitive Positions of the Clock Stars and the Finally Adopted Azimuths of the Marks—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1906	s	1906	s	1906	s	1907	"
Feb. 23	-0.002	June 24	-0.004	Oct. 11	-0.004	June 23	-0.003
24	- .014	25	+ .008	12	- .010	24	- .001
26	- .018	27	+ .004	13	+ .004	25	- .002
27	- .024	28	+ .016	14	- .005	26	- .003
28	- .014	29	+ .010	15	+ .005	27	- .005
Mar. 1	- .020	30	+ .017	23	+ .009	30	+ .003
2	- .014	July 1	+ .014	25	- .002	July 3	- .007
4	- .028	2	+ .004	1907		4	- .005
5	- .008	5	+ .002	Apr. 17	- .017	5	- .007
6	- .015	6	+ .004	18	- .018	7	+ .005
9	- .012	7	- .013	19	- .010	8	- .015
10	- .024	9	+ .004	20	.000	12	.000
17	+ .010	19	- .002	21	- .011	14	- .008
19	+ .011	21	- .003	24	- .008	16	- .006
20	- .017	26	- .002	25	- .007	19	- .018
21	- .024	28	- .001	29	.000	20	- .008
22	- .014	Aug. 4	+ .008	30	- .015	21	- .002
23	- .030	11	+ .018	May 4	- .013	22	+ .004
31	+ .007	15	+ .015	9	- .014	23	- .001
Apr. 1	+ .015	19	+ .001	11	- .012	25	- .004
2	- .014	22	+ .011	12	- .009	26	- .007
6	- .024	23	+ .013	13	- .005	27	- .015
7	- .008	30	+ .017	14	- .012	29	.000
10	- .021	31	+ .019	17	- .010	30	- .003
12	- .021	Sept. 2	+ .002	18	- .013	31	- .014
13	- .028	3	+ .027	19	- .014	Aug. 1	+ .008
15	- .010	4	+ .013	20	- .014	2	- .005
16	- .015	5	+ .009	21	- .023	4	+ .016
17	- .024	6	+ .011	23	- .011	6	+ .006
18	- .022	7	+ .006	27	- .014	7	+ .012
19	- .012	8	+ .016	28	- .001	8	+ .003
20	- .033	9	+ .006	29	+ .007	11	+ .006
23	- .027	10	+ .002	30	- .004	12	+ .008
24	- .018	11	+ .015	June 3	- .006	13	- .005
27	- .021	14	- .001	5	- .015	14	+ .002
30	- .024	18	- .001	6	- .012	15	+ .013
May 1	- .025	19	+ .013	8	- .010	18	+ .004
2	- .018	20	- .004	14	- .008	20	.000
3	- .027	21	- .015	15	- .021	22	+ .005
4	- .010	24	- .007	16	+ .003	24	+ .004
21	- .017	25	- .005	17	+ .004	25	- .004
29	- .017	29	- .018	19	+ .002	26	+ .008
June 8	- .010	Oct. 6	- .001	20	- .025	29	+ .009
11	- .001	7	- .005	21	- .018	30	+ .010
22	+0.022	8	+0.002	22	-0.004	31	+0.001

TABLE VII.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Clock Corrections Arising from the Definitive Positions of the Clock Stars and the Finally Adopted Azimuths of the Marks—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1907	s	1907	s	1908	s	1908	s
Sept. 5	+0.010	Nov. 4	-0.001	Jan. 3	0.000	Mar. 11	-0.035
6	+ .004	5	- .006	5	- .002	12	- .007
7	+ .024	7	.000	6	+ .002	13	- .002
10	+ .005	8	- .030	7	+ .004	14	- .003
11	- .003	10	- .027	8	+ .004	15	+ .007
12	+ .002	11	+ .009	9	+ .002	17	- .007
13	+ .010	13	- .009	10	+ .003	20	- .008
14	+ .009	14	- .007	12	+ .002	21	.000
15	- .001	15	- .003	14	+ .003	24	- .002
16	+ .008	16	+ .017	15	+ .003	25	+ .003
20	+ .009	17	+ .012	16	- .017	26	- .006
21	+ .012	19	+ .010	17	- .013	27	- .007
23	+ .005	24	.000	18	- .012	Apr. 3	- .005
24	.000	25	+ .003	19	- .010	4	+ .003
25	+ .008	26	- .007	20	- .005	6	- .007
26	.000	27	+ .007	21	- .005	7	- .003
27	- .002	28	+ .003	22	- .009	9	- .006
29	- .013	29	+ .002	24	- .006	11	- .011
30	- .003	30	+ .010	25	- .007	12	- .008
Oct. 1	+ .002	Dec. 2	+ .009	27	- .010	13	- .010
2	+ .004	4	- .006	29	- .012	16	+ .004
3	+ .013	5	- .017	30	- .014	17	+ .012
4	- .004	6	+ .003	Feb. 1	- .006	19	+ .003
5	+ .013	7	+ .008	3	- .022	20	+ .011
6	+ .003	8	+ .005	4	- .018	21	+ .008
8	+ .004	10	- .036	6	- .010	22	.000
9	+ .004	11	- .001	7	- .020	30	+ .002
10	- .012	12	+ .004 ¹	8	+ .009	May 1	+ .003
12	+ .013	12	- .003 ²	9	- .013	2	- .015
13	+ .006	14	- .004	12	- .009	9	- .006
14	+ .002	15	- .002	16	- .006	10	- .004
15	+ .002	18	- .016	17	- .014	11	- .007
16	- .006	19	- .011	19	- .025	12	.000
17	- .004	20	+ .002	20	- .012	17	- .003
18	- .002	21	- .006	21	- .005	18	- .012
19	+ .007	23	+ .004	24	- .023	20	- .007
20	- .012	24	- .017	26	- .018	22	- .010
21	- .009	25	+ .004	28	- .028	23	+ .005
22	+ .014	27	- .011	Mar. 2	+ .003	24	+ .012
23	- .004	28	- .009	3	- .012	25	+ .001
24	- .005	30	- .003	4	- .006	26	+ .014
25	+ .002	31	- .002	7	.000	27	+ .006
29	- .008	1908		9	- .006	28	+ .003
30	-0.004	Jan. 2	-0.002	10	-0.018	31	+0.014

¹ Sidereal time 0^h.1 to 3^h.2.² Sidereal time 9^h.6 to 12^h.0.

TABLE VII.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Clock Corrections Arising from the Definitive Positions of the Clock Stars and the Finally Adopted Azimuths of the Marks—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1908	s	1908	s	1908	s	1908	s
June 1	-0.011	Aug. 4	+0.002	Oct. 16	0.000	Dec. 26	-0.010
2	-.008	7	-.019	17	+.005	27	-.005
4	-.003	9	-.001	18	+.001	28	-.004
5	-.016	10	.000	20	+.001	29	+.004
6	+.005	11	+.005	26	+.013	31	-.005
7	-.006	12	-.007	27	+.013	1909	
8	+.002	13	-.009	29	-.027	Jan. 1	+.004
9	-.011	15	-.001	30	-.014	2	+.016
11	-.011	18	+.021	31	+.014	3	-.014
12	-.004	19	+.017	Nov. 1	-.014	5	-.002
13	-.006	20	+.010	2	-.013	6	+.015
14	-.012	28	+.019	3	-.014	12	+.007
15	-.001	29	+.026	5	-.011	17	-.005
16	-.001	30	+.013	6	-.015	18	+.002
17	-.003	31	+.019	7	+.018	19	+.010
18	-.002	Sept. 1	+.007	8	-.002	20	+.006
19	-.005	2	+.019	9	+.023	21	+.002
20	-.001	3	+.027 ¹	10	+.007	22	-.004
22	-.008	3	+.011 ²	11	-.027	25	-.004
23	-.003	4	+.017	12	+.003	26	-.006
26	-.007	6	+.015	13	-.004	27	+.010
27	-.019	7	+.018	14	-.018	28	+.010
28	+.001	8	+.008	15	-.018	31	-.020
29	-.017	9	+.015	16	+.007	Feb. 1	-.009
July 1	-.008	10	+.008	17	+.011	2	-.008
5	-.004	11	+.016	18	+.002	3	-.028
6	-.007	12	+.022	20	-.002	4	.000
8	-.004	14	+.005	21	+.025	6	-.003
9	-.006	15	+.007	25	+.025	8	+.005
10	+.001	16	.000	26	-.008	11	-.003
11	-.006	17	-.011	27	-.001	13	-.010
13	-.002	18	+.003	29	+.011	16	-.002
15	+.008	21	+.010	30	-.002	17	-.012
16	+.002	22	-.008	Dec. 1	+.010	18	+.008
17	+.001	23	-.008	2	+.013	19	+.006
18	+.011	25	.000	3	.000	20	+.014
20	-.005	28	-.015	5	-.013	24	-.007
27	-.002	Oct. 6	-.003	7	-.005	25	-.003
28	.000	7	-.007	8	-.006	26	+.006
29	.000	11	-.014	9	+.001	27	+.002
30	+.006	12	-.006	15	-.008	28	+.005
Aug. 1	+.004	13	+.006	18	+.002	Mar. 1	+.002
2	+.006	14	-.002	19	.000	2	-.016
3	0.000	15	+0.004	23	-0.005	4	+0.009

¹ Sidereal time 19^h.0 to 20^h.4.² Sidereal time 1^h.4 to 3^h.0.

TABLE VII.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Clock Corrections Arising from the Definitive Positions of the Clock Stars and the Finally Adopted Azimuths of the Marks—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1909	s	1909	s	1909	s	1909	s
Mar. 5	−0.015	May 13	−0.010	Aug. 19	+0.015	Oct. 26	0.000
7	+ .004	15	− .003	21	+ .016	27	+ .004
10	− .002	17	+ .002	22	+ .019	28	+ .005
11	− .015	18	+ .001	23	+ .003	29	− .001
13	+ .020	28	+ .004	24	+ .001	30	+ .006
14	+ .009	29	+ .002	25	+ .004	31	− .009
15	− .010	30	+ .012	26	+ .006	Nov. 3	− .001
16	− .014	31	+ .021	27	+ .009	4	− .008
17	− .001	June 2	− .012	30	+ .004	5	+ .002
18	− .012	12	− .017	31	+ .004	10	+ .004
19	+ .014	14	+ .023	Sept. 1	+ .021	11	.000
20	− .006	16	− .019	2	+ .019	12	− .004
21	+ .014	18	− .026	7	+ .019	13	+ .014
22	− .005	19	− .018	8	+ .023	15	− .016
23	− .004	21	− .011	11	+ .016	19	− .001
25	− .020	23	− .010	13	+ .012	20	+ .037
26	− .005	24	− .010	14	+ .010	21	+ .013
28	− .020	25	+ .005	15	+ .031	22	+ .003
29	− .033	29	− .004	17	+ .014	25	− .003
30	− .004	30	+ .010	18	+ .007	26	− .006
31	.000	July 1	− .025	19	− .003	27	− .002
Apr. 2	.000	2	− .021	21	+ .031	28	− .011
3	− .008	3	− .011	23	+ .024	29	− .008
4	− .007	6	+ .017	24	+ .001	30	− .006
5	− .008	7	− .005	25	+ .016	Dec. 1	+ .010
6	− .019	8	− .008	26	+ .008	2	− .001
7	− .011	9	+ .002	27	− .002	3	− .003
9	− .015	10	.000	28	+ .008	4	− .004
10	− .022	14	+ .005	29	− .010	5	− .004
11	− .007	15	+ .022	30	− .013	6	− .013
12	− .021	17	+ .013	Oct. 1	− .009	8	+ .022
15	− .013	24	+ .013	2	− .009	9	.000
16	.000	27	+ .014	4	− .012	10	− .003
17	.000	28	+ .015	5	− .022	14	− .001
18	− .002	29	− .011	6	+ .001	15	− .004
22	− .003	30	+ .007	7	+ .003	16	− .008
23	− .004	Aug. 2	+ .014	8	+ .003	17	− .009
24	− .005	4	+ .009	11	+ .005	18	+ .019
25	+ .004	5	+ .008	12	+ .010	20	+ .005
26	.000	6	+ .011	19	− .009	21	+ .011
28	− .010	7	+ .013	21	− .018	22	+ .018
30	− .015	9	+ .013	22	+ .006	24	+ .011
May 11	− .010	10	+ .013	24	− .011	26	− .029
12	−0.007	16	+0.008	25	−0.006	28	−0.008

TABLE VII.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Clock Corrections Arising from the Definitive Positions of the Clock Stars and the Finally Adopted Azimuths of the Marks—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1909	s	1910	s	1910	s	1910	s
Dec. 29	+0.027	Mar. 20	-0.016	June 8	-0.003	Aug. 20	+0.012
30	+ .014	21	- .012	11	- .004	21	.000
31	- .006	22	- .003	13	+ .009	22	+ .006
1910		23	- .002	14	- .017	23	+ .003
Jan. 3	- .015	24	+ .003	19	+ .025	24	+ .006
4	+ .002	25	+ .001	20	- .019	25	- .001
7	- .009	26	+ .009	21	+ .005	26	.000
8	- .010	27	+ .019	22	+ .002	27	+ .008
10	- .014	28	+ .008	23	+ .012	30	+ .013
14	- .001	Apr. 2	+ .010	24	+ .010	Sept. 6	- .006
15	- .012	5	+ .012	25	+ .018	7	+ .012
16	- .016	7	+ .012	26	+ .009	8	+ .006
18	+ .005	8	+ .012	29	+ .002	10	+ .007
19	- .015	12	+ .012	30	- .006	12	+ .019
20	- .006	13	+ .013	July 5	+ .013	15	+ .014
22	- .014	14	+ .013	8	- .020	16	+ .018
23	- .015	15	+ .013	9	+ .011	17	+ .007
25	- .005	19	- .006	11	- .007	20	+ .010
26	- .009	22	+ .002	14	+ .004	21	+ .005
27	- .001	25	+ .008	15	- .004	22	+ .005
29	- .010	26	+ .007	19	+ .014	24	- .005
30	+ .015	27	+ .002	20	+ .008	25	- .007
Feb. 1	- .004	28	+ .002	21	+ .012	26	+ .004
2	- .020	30	- .005	22	+ .010	27	+ .006
4	- .011	May 4	- .007	23	+ .023	28	- .006
5	+ .006	5	+ .007	24	+ .032	Oct. 1	+ .013
7	+ .008	6	+ .005	25	+ .001	2	- .008
18	- .010	9	+ .019	26	+ .007	3	- .008
19	- .004	12	+ .025	28	+ .007	4	- .003
22	- .004	14	+ .003	29	+ .004	9	- .004
24	- .001	15	+ .010	30	+ .011	10	+ .002
25	+ .001	16	+ .008	Aug. 1	+ .010	11	+ .006
26	+ .003	17	- .003	3	+ .012	12	+ .025
Mar. 3	- .005	18	+ .001	4	+ .015	13	- .010
4	+ .004	19	+ .002	5	+ .010	14	+ .010
5	+ .007	21	+ .003	6	+ .013	15	+ .002
7	- .010	23	+ .018	9	+ .012	16	+ .009
8	- .010	26	+ .009	10	+ .013	17	- .001
13	+ .008	27	+ .015	11	+ .023	18	+ .006
14	- .018	28	- .002	12	+ .010	20	- .004
15	- .018	30	+ .011	13	+ .017	22	- .009
17	- .034	June 3	+ .013	16	+ .019	23	- .003
18	- .026	6	- .008	18	+ .019	24	- .002
19	-0.031	7	-0.003	19	+0.009	25	-0.006

TABLE VII.—*The Corrections to the Preliminary Right Ascensions Due to the Change in the Preliminary Clock Corrections Arising from the Definitive Positions of the Clock Stars and the Finally Adopted Azimuths of the Marks—Continued.*

Date.	Δt	Date.	Δt	Date.	Δt	Date.	Δt
1910	s	1910	s	1911	s	1911	s
Oct. 26	−0.009	Dec. 9	−0.003	Jan. 16	−0.017	Mar. 1	−0.010
28	+ .001	11	+ .004	18	+ .010	3	− .010
30	− .006	12	− .003	19	− .001	6	− .017
31	− .009	13	− .015	20	− .003	8	− .013
Nov. 1	+ .018	14	− .010	23	+ .001	9	− .017
4	+ .011	15	− .017	24	− .004	10	− .019
6	+ .015	16	− .012	25	− .017	11	− .013
8	+ .023	17	− .020	27	+ .005	15	− .006
9	+ .031	19	+ .006	28	− .019	16	− .011
11	+ .019	20	− .013	30	+ .005	17	− .037
14	+ .009	21	− .011	Feb. 2	+ .004	18	+ .022
16	+ .012	22	+ .009	4	− .006	20	+ .008
17	+ .004	24	+ .008	5	.000	21	+ .006
19	+ .010	26	− .008	7	− .003	23	+ .003
20	+ .005	27	+ .018	10	− .007	24	− .003
21	+ .014	29	+ .014	12	+ .011	25	− .027
22	+ .009	1911		13	− .008	27	− .017
24	− .017	Jan. 4	− .005	17	− .001	28	− .026
25	− .017	5	+ .013	18	+ .032	29	− .012
26	+ .019	6	+ .013	20	+ .021	30	− .010
29	− .007	7	+ .001	21	− .011	31	− .021
Dec. 1	− .017	8	− .006	23	+ .010	Apr. 1	− .013
2	+ .014	9	− .006	24	+ .006	6	− .014
3	+ .001	10	− .006	25	− .010	9	− .011
7	+ .002	15	−0.003	27	−0.010	10	0.000
8	−0.001						

TABLE VIII.—*The Corrections to the Preliminary Right Ascensions of Stars from Chronograph Observations, Head South, to Eliminate Personality, Head North minus Head South, and Variation of Personality with Declination.*

Decl.	Morgan.	Pawling.	Littell.	Brown.	Hall.	Boss.	Rice.	Fred- erick.	Yowell.	Turner.
°	S	S	S	S	S	S	S	S	S	S
+62 S. P.	+0.014	-0.011	-0.002	-0.053	-0.011	+0.175	-0.007	+0.008	-0.022	+0.044
64 S. P. ....	.016	.013	.003	.060	.012	.199	.008	.009	.025	.050
66 S. P. ....	.018	.015	.003	.069	.014	.227	.009	.011	.028	.057
68 S. P. ....	.020	.017	.004	.079	.016	.259	.011	.012	.032	.066
70 S. P. ....	.023	.019	.004	.091	.018	.299	.012	.014	.037	.076
72 S. P. ....	.027	.023	.005	.105	.021	.347	.014	.017	.043	.088
74 S. P. ....	.032	.027	.006	.124	.025	.408	.017	.019	.051	.103
76 S. P. ....	.038	.032	.007	.148	.030	.487	.020	.023	.060	.123
78 S. P. ....	.046	.038	.008	.179	.037	.592	.024	.028	.074	.150
80 S. P. ....	.058	.048	.010	.224	.046	.739	.030	.035	.092	.187
81 S. P. ....	.066	.054	.012	.254	.052	.837	.034	.040	.104	.212
82 S. P. ....	.076	.063	.014	.292	.059	.961	.039	.046	.119	.243
83 S. P. ....	.088	.073	.016	.340	.069	1.120	.045	.053	.139	.283
84 S. P. ....	.105	.087	.019	.404	.082	1.331	.054	.063	.165	.337
+85 S. P.	+0.128	-0.106	-0.023	-0.493	-0.101	+1.626	-0.066	+0.077	-0.202	+0.411
+85	-0.026	-0.054	-0.090	-0.350	-0.152	+1.058	-0.148	+0.192	-0.057	-0.098
84 .....	.021	.051	.077	.293	.138	.860	.120	.158	.053	.079
83 .....	.018	.050	.068	.253	.128	.718	.100	.135	.051	.065
82 .....	.015	.049	.061	.222	.120	.612	.085	.117	.049	.055
81 .....	.013	.048	.056	.198	.114	.528	.073	.103	.047	.047
80 .....	.011	.047	.052	.180	.109	.462	.064	.092	.046	.041
78 .....	.009	.046	.046	.151	.102	.363	.050	.075	.044	.031
76 .....	.007	.045	.041	.131	.097	.293	.040	.063	.043	.024
74 .....	.006	.044	.038	.116	.093	.240	.032	.054	.042	.019
72 .....	.005	.044	.035	.104	.090	.199	.027	.047	.041	.015
70 .....	.004	.044	.033	.095	.088	.166	.022	.042	.041	.012
68 .....	.004	.043	.032	.088	.086	.140	.018	.038	.040	.010
66 .....	.003	.043	.030	.081	.084	.118	.015	.034	.040	.008
64 .....	.003	.043	.029	.076	.083	.099	.013	.031	.039	.006
62 .....	.002	.043	.028	.071	.082	.083	.010	.028	.039	.004
60 .....	.002	.042	.027	.068	.081	.070	.008	.026	.039	-0.003
55 .....	.001	.042	.026	.060	.079	.043	.005	.022	.038	.000
50 .....	.001	.042	.024	.054	.078	.023	-0.002	.018	.038	+0.001
45	-0.001	.042	.023	.050	.077	+0.009	.000	.016	.038	.003
40 .....	.000	.042	.023	.047	.076	-0.003	+0.002	.014	.037	.004
+35	0.000	-0.041	-0.022	-0.044	-0.075	-0.012	+0.003	+0.012	-0.037	+0.005

Corr. for Eichelberger at the Zenith + 0.021.

TABLE IX.—*The Corrections to the Preliminary Right Ascensions of Stars from Eye and Ear Observations to Eliminate Personality.*

Star.	Sept. 3, 1903, to Apr. 23, 1908.						
	Rice.	Littell.	Morgan, 1903-5.	Morgan, 1907-8.	Yowell.	Brown.	Boss.
158 H ¹ . Cephei s. p.	^s +0.955	^s +0.125	^s +0.214	^s +0.311	^s +0.373	^s -0.062	^s +0.951
l Urse Minoris s. p. ....	.949	.130	.216	.311	.393	.062	0.984
151 H ¹ . Cephei s. p. ....	.944	.134	.217	.311	.409	.062	1.010
Gr. 1418 s. p. ....	.938	.139	.218	.311	.427	.062	1.039
32 H. Cephei s. p. ....	.917	.156	.223	.310	.492	.062	1.145
43 H. Cephei s. p.	+0.907	+0.165	+0.226	+0.310	+0.526	-0.062	+1.199
157 H ¹ . Cephei s. p.	+0.899	+0.172	+0.228	+0.310	+0.550	-0.062	+1.239
128 H ¹ . Camel. s. p. ....	.872	.194	.234	.310	.634	.062	1.374
Rad. 2612 s. p. ....	.868	.197	.236	.310	.648	.062	1.397
149 H ¹ . Cephei s. p. ....	.843	.218	.242	.310	.726	.061	1.524
Gr. 2nd 9 yr. Cat. s. p. ...	+0.839	+0.221	+0.243	+0.310	+0.738	-0.061	+1.543
δ Urse Minoris s. p.	+0.808	+0.247	+0.250	+0.310	+0.835	-0.061	+1.700
B. A. C. 7504 s. p. ....	.803	.251	.252	.310	.853	.061	1.729
Gr. 1004 s. p. ....	.787	.265	.256	.309	.903	.061	1.810
39 H. Cephei s. p. ....	.781	.269	.257	.309	.921	.061	1.839
5 B. Urse Minoris s. p.	+0.754	+0.292	+0.263	+0.309	+1.005	-0.060	+1.975
24 Urse Minoris s. p.	+0.746	+0.298	+0.265	+0.309	+1.030	-0.060	+2.015
51 H. Cephei s. p. ....	.707	.331	.275	.309	1.153	.060	2.215
57 B. Urse Minoris s. p. ....	.611	.411	.299	.308	1.457	.059	2.707
Gr. 2006 s. p. ....	.404	.582	.350	.307	2.106	.057	3.758
6 B. Urse Minoris s. p.	+0.371	+0.609	+0.358	+0.307	+2.210	-0.056	+3.927
1 B. Urse Minoris s. p.	+0.177	+0.771	+0.406	+0.305	+2.822	-0.054	+4.917
α Urse Minoris s. p.	-0.091	0.993	.472	.303	3.665	.052	6.282
Gr. 3402 s. p. ....	.132	1.027	.482	.303	3.795	.051	6.492
4 B. Urse Minoris s. p. ....	.223	1.102	.504	.302	4.078	.050	6.951
λ Urse Minoris s. p.	-0.356	+1.213	+0.537	+0.302	+4.497	-0.049	+7.629
λ Urse Minoris.	+0.584	+1.279	+1.430	+0.242	-0.293	+0.112	+8.313
4 B. Urse Minoris. ....	.543	1.148	1.310	.248	.225	.077	7.571
Gr. 3402. ....	.515	1.060	1.230	.253	.179	.053	7.069
α Urse Minoris. ....	.503	1.019	1.193	.255	.158	+0.042	6.839
1 B. Urse Minoris.	+0.420	+0.756	+0.953	+0.268	-0.020	-0.029	+5.345
6 B. Urse Minoris.	+0.360	+0.565	+0.778	+0.277	+0.080	-0.080	+4.262
Gr. 2006. ....	.350	.532	.749	.279	.097	.089	4.077
57 B. Urse Minoris. ....	.286	.330	.564	.289	.203	.143	2.928
51 H. Cephei. ....	.256	.234	.477	.293	.252	.169	2.389
24 Urse Minoris.	+0.244	+0.196	+0.442	+0.295	+0.273	-0.179	+2.170
5 B. Urse Minoris.	+0.241	+0.188	+0.435	+0.296	+0.277	-0.181	+2.127
39 H. Cephei. ....	.233	.162	.411	.297	.290	.188	1.978
Gr. 1004. ....	.231	.156	.406	.297	.293	.190	1.946
B. A. C. 7504. ....	.226	.141	.392	.298	.301	.194	1.857
δ Urse Minoris.	+0.225	+0.135	+0.387	+0.298	+0.304	-0.195	+1.825
Gr. 2nd 9 yr. Cat.	+0.215	+0.105	+0.359	+0.300	+0.320	-0.203	+1.654
149 H ¹ . Cephei. ....	.214	.101	.356	.300	.322	.204	1.633
Rad. 2612. ....	.206	.077	.334	.301	.335	.211	1.495
128 H ¹ . Camel. ....	.205	.072	.330	.301	+ .337	.212	1.469
157 H ¹ . Cephei.	+0.197	+0.046	+0.306	+0.303	+0.351	-0.219	+ 1.321
43 H. Cephei.	+0.194	+0.039	+0.299	+0.303	+0.355	-0.221	+1.278
32 H. Cephei. ....	.191	.028	.289	.304	.360	.224	1.219
Gr. 1418. ....	.185	.008	.271	.305	.371	.230	1.103
151 H ¹ . Cephei. ....	.183	+0.002	.266	.305	.374	.231	1.071
l Urse Minoris. ....	.181	-0.003	.261	.305	.377	.232	1.042
158 H ¹ . Cephei.	+0.179	-0.009	+0.255	+0.305	+0.380	-0.234	+1.007

TABLE IX.—*The Corrections to the Preliminary Right Ascensions of Stars from Eye and Ear Observations to Eliminate Personality—Continued.*

Star.	Sept. 3, 1903, to Apr. 23, 1908.			Apr. 30, 1908, to Apr. 11, 1911.			
	Hall.	Pawling.	Frederick.	Frederick.	Littell.	Morgan.	Pawling.
158 H ¹ . Cephei s. p.	^s +0.388	^s +0.306	^s +0.230	^s +0.230	^s +0.443	^s +0.101	^s +0.130
7 Ursæ Minoris s. p. ....	.393	.308	.229	.229	.446	.102	.131
151 H ¹ . Cephei s. p. ....	.396	.309	.229	.229	.448	.103	.132
Gr. 1418 s. p. ....	.401	.310	.228	.223	.451	.104	.134
32 H. Cephei s. p. ....	.415	.314	.225	.225	.460	.108	.138
43 H. Cephei s. p.	+0.423	+0.316	+0.224	+0.224	+0.464	+0.110	+0.140
157 H ¹ . Cephei s. p.	+0.428	+0.318	+0.223	+0.223	+0.468	+0.111	+0.141
128 H ¹ . Camel. s. p. ....	.447	.324	.220	.220	.479	.116	.146
Rad. 2612 s. p. ....	.450	.325	.219	.219	.481	.116	.147
149 H ¹ . Cephei s. p. ....	.468	.330	.217	.217	.494	.121	.152
Gr. 2nd 9 yr. Cat. s. p.	+0.471	+0.331	+0.216	+0.216	+0.494	+0.121	+0.153
8 Ursæ Minoris s. p.	+0.492	+0.337	+0.212	+0.212	+0.507	+0.127	+0.159
B. A. C 7504 s. p. ....	.496	.338	.212	.212	.510	.128	.160
Gr. 1004 s. p. ....	.508	.342	.210	.210	.517	.130	.163
39 H. Cephei s. p. ....	.512	.343	.209	.209	.519	.131	.164
5 B. Ursæ Minoris s. p.	+0.531	+0.349	+0.206	+0.206	+0.531	+0.136	+0.169
24 Ursæ Minoris s. p.	+0.536	+0.350	+0.205	+0.205	+0.534	+0.137	+0.171
51 H. Cephei s. p. ....	.564	.359	.201	.201	.552	.144	.178
57 B. Ursæ Minoris s. p. ....	.633	.379	.189	.189	.594	.161	.197
Gr. 2006 s. p. ....	.779	.423	.165	.165	.684	.197	.237
6 B. Ursæ Minoris s. p.	+0.802	+0.430	+0.161	+0.161	+0.699	+0.203	+0.244
1 B. Ursæ Minoris s. p.	+0.940	+0.471	+0.138	+0.138	+0.784	+0.236	+0.282
α Ursæ Minoris s. p.	1.130	.528	.106	.106	.901	.283	.334
Gr. 3402 s. p.	1.159	.537	.101	.101	.919	.290	.342
4 B. Ursæ Minoris s. p.	1.223	.556	.091	.091	.958	.306	.359
λ Ursæ Minoris s. p.	+1.317	+0.584	+0.075	+0.075	+1.017	+0.329	+0.385
λ Ursæ Minoris	+2.093	+1.076	−0.206	−0.206	+0.953	+0.184	+0.740
4 B. Ursæ Minoris	1.945	.979	.157	.157	.898	.167	.693
Gr. 3402	1.844	.914	.124	.124	.861	.156	.662
α Ursæ Minoris	1.798	.884	.109	.109	.844	.150	.648
1 B. Ursæ Minoris	+1.499	+0.689	−0.010	−0.010	+0.735	+0.116	+0.555
6 B. Ursæ Minoris	+1.283	+0.548	+0.062	+0.062	+0.655	+0.091	+0.487
Gr. 2006	1.246	.524	.074	.074	.641	.087	.476
57 B. Ursæ Minoris	1.016	.374	.150	.150	.557	.060	.404
51 H. Cephei ....	.908	.304	.185	.185	.517	.048	.370
24 Ursæ Minoris	+0.864	+0.276	+0.200	+0.200	+0.501	+0.043	+0.357
5 B. Ursæ Minoris	+0.856	+0.270	+0.203	+0.203	+0.498	+0.042	+0.354
39 H. Cephei ....	.826	.251	.212	.212	.487	.038	.345
Gr. 1004 ....	.820	.247	.215	.215	.485	.037	.343
B. A. C 7504 ....	.802	.235	.220	.220	.478	.035	.337
8 Ursæ Minoris	+0.795	+0.231	+0.223	+0.223	+0.476	+0.035	+0.335
Gr. 2nd 9 yr. Cat.	+0.761	+0.209	+0.234	+0.234	+0.463	+0.031	+0.325
149 H ¹ . Cephei ....	.757	.206	.235	.235	.462	.030	.323
Rad. 2612 ....	.729	.188	.244	.244	.451	.027	.315
128 H ¹ . Camel ....	.724	.184	.246	.246	.450	.026	.313
157 H ¹ . Cephei	+0.695	+0.165	+0.256	+0.256	+0.439	+0.023	+0.304
43 H. Cephei	+0.686	+0.160	+0.259	+0.259	+0.436	+0.022	+0.301
32 H. Cephei ....	.674	.152	.263	.263	.431	.021	.298
Gr. 1418 ....	.651	.137	.270	.270	.423	.018	.290
151 H ¹ . Cephei ....	.645	.133	.272	.272	.420	.017	.288
7 Ursæ Minoris ....	.639	.129	.274	.274	.418	.017	.286
158 H ¹ . Cephei	+0.632	+0.124	+0.277	+0.277	+0.416	+0.016	+0.284

TABLE X.—*The Corrections to the Preliminary Right Ascensions of Stars to Eliminate the Magnitude Equation of the Individual Observers.*

Magni- tude.	Eichel- berger, Morgan.	Rice, Littell.	Yowell, Turner, Brown.	Boss.	Frederick.	Pawling.	Hall.
	^s	^m	^s	^s	^s	^s	^s
5.2	+0.032	+0.010	+0.027	+0.053	+0.029	+0.006	-0.011
5.3	.031	.010	.026	.051	.028	.005	.011
5.4	.030	.009	.025	.049	.027	.005	.010
5.5	+0.029	+0.009	+0.024	+0.047	+0.026	+0.005	-0.010
5.6	+0.028	+0.009	+0.023	+0.045	+0.025	+0.005	-0.010
5.7	.027	.008	.022	.043	.024	.005	.009
5.8	.026	.008	.021	.041	.023	.004	.009
5.9	.024	.008	.020	.039	.022	.004	.008
6.0	+0.023	+0.007	+0.019	+0.038	+0.021	+0.004	-0.008
6.1	+0.022	+0.007	+0.018	+0.036	+0.020	+0.004	-0.008
6.2	.021	.006	.017	.034	.019	.004	.007
6.3	.020	.006	.016	.032	.018	.003	.007
6.4	.019	.006	.015	.030	.017	.003	.006
6.5	+0.017	+0.005	+0.014	+0.028	+0.016	+0.003	-0.006
6.6	+0.016	+0.005	+0.013	+0.026	+0.015	+0.003	-0.006
6.7	.015	.005	.012	.024	.014	.003	.005
6.8	.014	.004	.012	.023	.012	.002	.005
6.9	.013	.004	.011	.021	.011	.002	.004
7.0	+0.012	+0.004	+0.010	+0.019	+0.010	+0.002	-0.004
7.1	+0.010	+0.003	+0.009	+0.017	+0.009	+0.002	-0.004
7.2	.009	.003	.008	.015	.008	.002	.003
7.3	.008	.003	.007	.013	.007	.001	.003
7.4	.007	.002	.006	.011	.006	.001	.002
7.5	+0.006	+0.002	+0.005	+0.009	+0.005	+0.001	-0.002
7.6	+0.005	+0.001	+0.004	+0.008	+0.004	+0.001	-0.002
7.7	.003	+0.001	.003	.006	.003	+0.001	0.001
7.8	.002	-0.001	.002	.004	.002	.000	-0.001
7.9	+0.001	0.000	+0.001	+0.002	+0.001	.000	.000
8.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8.1	-0.001	0.000	-0.001	-0.002	-0.001	0.000	0.000
8.2	.002	-0.001	.002	.004	.002	.000	+0.001
8.3	.003	.001	.003	.006	.003	-0.001	.001
8.4	.005	.001	.004	.008	.004	.001	.002
8.5	-0.006	-0.002	-0.005	-0.009	-0.005	-0.001	+0.002
8.6	-0.007	-0.002	-0.006	-0.011	-0.006	-0.001	+0.002
8.7	.008	.003	.007	.013	.007	.001	.003
8.8	.009	.003	.008	.015	.008	.002	.003
8.9	.010	.003	.009	.017	.009	.002	.004
9.0	-0.012	-0.004	-0.010	-0.019	-0.010	-0.002	+0.004
9.1	-0.013	-0.004	-0.011	-0.021	-0.011	-0.002	+0.004
9.2	.014	.004	.012	.023	.012	.002	.005
9.3	.015	.005	.012	.024	.014	.003	.005
9.4	.016	.005	.013	.026	.015	.003	.006
9.5	-0.017	-0.005	-0.014	-0.028	-0.016	-0.003	+0.006
9.6	-0.019	-0.006	-0.015	-0.030	-0.017	-0.003	+0.006
9.7	.020	.006	.016	.032	.018	.003	.007
9.8	.021	.006	.017	.034	.019	.004	.007
9.9	.022	.007	.018	.036	.020	.004	.008
10.0	-0.023	-0.007	-0.019	-0.038	-0.021	-0.004	+0.008
10.1	-0.024	-0.008	-0.020	-0.039	-0.022	-0.004	+0.008
10.2	.026	.008	.021	.041	.023	.004	.009
10.3	.027	.008	.022	.043	.024	.005	.009
10.4	.028	.009	.023	.045	.025	.005	.010
10.5	-0.029	-0.009	-0.024	-0.047	-0.026	-0.005	+0.010

TABLE XI.—*The Arguments for Entering Table XII and the Corrections to the Preliminary Declinations Due to Division Errors of Circle B.*

Clamp Year.	Clamp.	Argument for Entering Table XII.	Correction to Observed Declination. ¹
		° ' "	"
1903-4.....	W.	45 0—Circle Setting of Circle A. ²	+0.46—Quantity from Table XII.
1904-5.....	E.	44 52—Circle Setting of Circle A.	—0.35+Quantity from Table XII.
1905-6.....	W.	39 48—Circle Setting of Circle A.	+0.70—Quantity from Table XII.
1907-8.....	E.	34 36—Circle Setting of Circle A.	—0.48+Quantity from Table XII.
1908-9.....	W.	31 24—Circle Setting of Circle A.	+0.28—Quantity from Table XII.
1909-11.....	E.	36 30—Circle Setting of Circle A.	—1.28+Quantity from Table XII.

¹ The sign of the correction must be changed if the declination was deduced from an observation below pole.

² The circle setting is obtained by taking the even minute nearest to the circle reading in the column Circle Reading in Parts II and III of this volume.

TABLE XII.—*The Corrections for Division Errors of Circle B.*

	0°	2°	4°	6°	8°	10°	12°	14°	16°
0	+0.53	+0.58	−0.56	+0.04	+0.04	+0.45	+0.13	+0.10	+0.56
2	+0.95	+0.89	−0.08	+0.32	+0.50	+0.80	+0.66	+0.08	+1.05
4	+0.97	+0.82	−0.16	+0.42	+0.34	+0.88	+0.67	+0.22	+0.78
6	+0.88	+0.70	−0.40	+0.30	+0.16	+0.80	+0.51	+0.26	+0.62
8	+0.78	+0.88	−0.24	+0.48	+0.24	+0.90	+0.45	+0.30	+0.94
10	+0.58	+0.58	−0.54	−0.09	−0.04	+0.69	+0.12	+0.04	+0.62
12	+0.98	+0.82	−0.04	+0.21	+0.32	+1.00	+0.65	+0.16	+0.92
14	+1.00	+0.67	−0.12	+0.54	+0.18	+0.97	+0.57	+0.36	+0.82
16	+0.75	+0.50	−0.34	+0.38	−0.01	+0.80	+0.36	+0.48	+0.65
18	+0.74	+0.76	−0.26	+0.44	+0.02	+0.86	+0.42	+0.48	+0.72
20	+0.60	+0.41	−0.58	−0.07	−0.17	+0.62	+0.18	+0.21	+0.46
22	+1.00	+0.58	−0.06	+0.38	+0.29	+0.90	+0.54	+0.56	+0.71
24	+1.01	+0.59	−0.12	+0.40	+0.02	+0.90	+0.56	+0.56	+0.56
26	+0.74	+0.39	−0.36	+0.28	+0.04	+0.76	+0.43	+0.44	+0.35
28	+0.82	+0.60	−0.34	+0.40	+0.01	+0.90	+0.51	+0.55	+0.52
30	+0.61	+0.16	−0.54	−0.10	−0.10	+0.65	+0.12	+0.19	+0.49
32	+1.00	+0.52	+0.06	+0.24	+0.32	+0.94	+0.60	+0.73	+0.69
34	+0.88	+0.36	+0.15	+0.26	+0.22	+0.81	+0.59	+0.70	+0.76
36	+0.74	+0.25	0.00	+0.23	+0.06	+0.69	+0.32	+0.62	+0.64
38	+0.72	+0.48	−0.10	+0.14	+0.18	+0.77	+0.28	+0.60	+0.73
40	+0.47	+0.08	−0.40	−0.34	−0.08	+0.57	+0.16	+0.31	+0.38
42	+0.94	+0.31	+0.16	+0.31	+0.38	+0.87	+0.59	+0.82	+0.77
44	+0.88	+0.10	+0.24	+0.42	+0.28	+0.89	+0.46	+0.69	+0.71
46	+0.66	−0.03	−0.01	+0.18	+0.20	+0.78	+0.36	+0.56	+0.60
48	+0.66	+0.30	+0.02	+0.28	+0.28	+0.73	+0.25	+0.62	+0.69
50	+0.50	−0.15	−0.18	−0.09	+0.02	+0.49	+0.11	+0.45	+0.48
52	+0.94	+0.10	+0.23	+0.43	+0.32	+0.86	+0.50	+0.87	+0.80
54	+0.88	−0.24	+0.38	+0.52	+0.31	+0.78	+0.50	+0.80	+0.80
56	+0.75	−0.20	+0.20	+0.42	+0.21	+0.57	+0.33	+0.66	+0.60
58	+0.75	+0.08	+0.20	+0.48	+0.27	+0.57	+0.30	+0.70	+0.63
	1°	3°	5°	7°	9°	11°	13°	15°	17°
0	+0.46	−0.29	−0.05	+0.10	+0.13	+0.50	+0.10	+0.45	+0.34
2	+0.82	+0.01	+0.48	+0.60	+0.42	+0.82	+0.63	+0.97	+0.73
4	+0.69	−0.34	+0.44	+0.58	+0.60	+0.82	+0.52	+0.86	+0.72
6	+0.69	−0.30	+0.23	+0.55	+0.44	+0.64	+0.20	+0.71	+0.53
8	+0.80	0.00	+0.22	+0.54	+0.42	+0.76	+0.23	+0.66	+0.74
10	+0.46	−0.48	−0.03	+0.24	+0.18	+0.45	+0.01	+0.54	+0.30
12	+0.81	−0.07	+0.43	+0.48	+0.56	+0.84	+0.48	+1.01	+0.74
14	+0.74	−0.42	+0.23	+0.59	+0.73	+0.84	+0.42	+0.92	+0.61
16	+0.64	−0.37	+0.08	+0.50	+0.44	+0.56	+0.25	+0.54	+0.47
18	+0.75	−0.15	+0.09	+0.68	+0.51	+0.57	+0.17	+0.74	+0.59
20	+0.42	−0.58	−0.21	+0.26	+0.30	+0.26	−0.12	+0.55	+0.17
22	+0.76	−0.02	+0.28	+0.57	+0.84	+0.64	+0.38	+1.05	+0.58
24	+0.58	−0.30	+0.34	+0.60	+0.77	+0.64	+0.38	+0.84	+0.52
26	+0.60	−0.38	0.00	+0.44	+0.51	+0.45	+0.19	+0.66	+0.49
28	+0.81	−0.14	+0.13	+0.58	+0.56	+0.59	+0.19	+0.65	+0.75
30	+0.54	−0.51	−0.17	+0.22	+0.28	+0.25	−0.06	+0.43	+0.20
32	+0.75	−0.02	+0.33	+0.60	+0.81	+0.59	+0.46	+1.04	+0.53
34	+0.70	−0.30	+0.41	+0.61	+0.74	+0.59	+0.30	+0.80	+0.46
36	+0.66	−0.32	+0.22	+0.38	+0.52	+0.47	+0.09	+0.66	+0.39
38	+0.80	−0.13	+0.24	+0.50	+0.66	+0.44	+0.34	+0.82	+0.66
40	+0.58	−0.58	−0.12	+0.33	+0.36	+0.09	−0.21	+0.56	+0.24
42	+0.86	−0.08	+0.32	+0.55	+0.90	+0.55	+0.20	+1.04	+0.69
44	+0.79	−0.26	+0.45	+0.45	+0.82	+0.63	+0.21	+0.84	+0.63
46	+0.65	−0.31	+0.29	+0.36	+0.54	+0.30	+0.18	+0.61	+0.64
48	+0.88	−0.12	+0.27	+0.58	+0.64	+0.46	+0.38	+0.78	+0.68
50	+0.63	−0.50	−0.22	+0.16	+0.44	+0.02	−0.06	+0.53	+0.26
52	+0.90	−0.07	+0.29	+0.54	+0.86	+0.64	+0.28	+0.98	+0.66
54	+0.87	−0.20	+0.45	+0.48	+0.78	+0.76	+0.30	+0.85	+0.46
56	+0.73	−0.29	+0.19	+0.36	+0.56	+0.49	+0.24	+0.58	+0.42
58	+0.95	0.00	+0.08	+0.45	+0.70	+0.39	+0.36	+0.85	+0.54

TABLE XII.—*The Corrections for Division Errors of Circle B—Continued.*

	18°	20°	22°	24°	26°	28°	30°	32°	3°
'	"	"	"	"	"	"	"	"	"
0	+0.20	-0.10	-0.36	-0.23	+0.16	+0.53	+0.53	+0.40	+0.59
2	+0.78	+0.44	+0.06	+0.24	+0.53	+1.04	+0.87	+0.82	+1.26
4	+0.76	+0.38	+0.29	+0.30	+0.57	+1.02	+0.94	+0.70	+1.12
6	+0.45	+0.12	+0.09	+0.01	+0.48	+0.72	+0.62	+0.58	+0.98
8	+0.63	+0.30	+0.05	-0.13	+0.50	+0.65	+0.70	+0.65	+1.03
10	+0.39	-0.06	-0.25	-0.24	+0.12	+0.60	+0.55	+0.44	+0.62
12	+0.78	+0.46	+0.08	+0.23	+0.56	+1.04	+0.93	+0.73	+1.15
14	+0.85	+0.38	+0.15	+0.29	+0.50	+0.99	+0.92	+0.73	+1.08
16	+0.72	+0.18	+0.06	-0.06	+0.48	+0.80	+0.60	+0.49	+1.04
18	+0.68	+0.33	+0.12	-0.02	+0.52	+0.71	+0.79	+0.59	+1.04
20	+0.38	+0.05	-0.39	-0.25	+0.24	+0.52	+0.58	+0.51	+0.59
22	+0.87	+0.42	+0.21	+0.22	+0.78	+1.03	+0.84	+0.74	+0.90
24	+0.82	+0.26	+0.12	+0.32	+0.80	+1.01	+0.96	+0.76	+0.82
26	+0.76	0.00	-0.11	+0.08	+0.60	+0.76	+0.77	+0.63	+0.86
28	+0.68	+0.18	-0.02	-0.07	+0.63	+0.67	+0.83	+0.67	+0.84
30	+0.38	-0.26	-0.34	-0.15	+0.32	+0.56	+0.52	+0.48	+0.58
32	+0.82	+0.23	+0.30	+0.35	+0.82	+1.05	+1.00	+0.78	+0.91
34	+0.81	+0.10	+0.23	+0.34	+0.78	+0.94	+0.91	+0.88	+0.88
36	+0.51	-0.09	-0.14	+0.22	+0.60	+0.76	+0.66	+0.88	+0.92
38	+0.50	+0.16	-0.12	+0.14	+0.68	+0.68	+0.65	+0.93	+0.98
40	+0.19	-0.32	-0.27	-0.15	+0.42	+0.53	+0.38	+0.71	+0.48
42	+0.58	+0.08	+0.29	+0.33	+0.92	+1.14	+0.84	+1.02	+0.72
44	+0.62	-0.07	+0.28	+0.33	+0.86	+1.00	+0.68	+1.01	+0.74
46	+0.30	-0.19	+0.03	+0.20	+0.66	+0.74	+0.44	+0.96	+0.78
48	+0.26	+0.11	0.00	+0.12	+0.61	+0.82	+0.51	+0.92	+0.89
50	-0.12	-0.44	-0.18	-0.16	+0.44	+0.55	+0.20	+0.74	+0.58
52	+0.54	-0.07	+0.34	+0.30	+0.92	+1.08	+0.75	+0.95	+0.86
54	+0.42	-0.10	+0.23	+0.44	+0.88	+1.06	+0.60	+1.05	+0.82
56	+0.14	-0.14	+0.04	+0.21	+0.61	+0.80	+0.38	+0.96	+1.00
58	+0.26	+0.08	+0.04	+0.34	+0.78	+0.68	+0.54	+1.08	+1.06

	19°	21°	23°	25°	27°	29°	31°	33°	35°
'	"	"	"	"	"	"	"	"	"
0	-0.13	-0.35	-0.13	-0.13	+0.40	+0.46	+0.22	+0.81	+0.66
2	+0.52	+0.10	+0.36	+0.28	+0.85	+1.08	+0.71	+1.20	+0.81
4	+0.42	-0.19	+0.17	+0.40	+0.72	+0.86	+0.64	+1.20	+0.84
6	+0.26	-0.20	+0.06	+0.30	+0.59	+0.59	+0.41	+1.06	+1.02
8	+0.24	+0.01	+0.06	+0.42	+0.63	+0.70	+0.34	+1.09	+1.18
10	-0.18	-0.41	-0.12	+0.01	+0.33	+0.48	+0.10	+0.72	+0.82
12	+0.61	+0.06	+0.42	+0.42	+0.70	+1.06	+0.59	+1.15	+1.10
14	+0.46	-0.08	+0.26	+0.46	+0.73	+0.95	+0.48	+1.18	+0.85
16	+0.09	-0.16	+0.18	+0.56	+0.59	+0.60	+0.20	+1.11	+0.96
18	+0.14	+0.08	+0.04	+0.61	+0.67	+0.57	+0.24	+1.24	+1.22
20	-0.19	-0.52	-0.16	+0.08	+0.42	+0.38	+0.01	+0.88	+0.78
22	+0.46	+0.03	+0.33	+0.40	+0.78	+0.92	+0.52	+1.28	+1.00
24	+0.34	-0.22	+0.26	+0.40	+0.68	+0.92	+0.34	+1.14	+0.92
26	0.00	-0.39	-0.09	+0.36	+0.57	+0.58	+0.18	+1.04	+1.00
28	-0.01	-0.11	-0.13	+0.49	+0.64	+0.58	+0.28	+1.06	+1.22
30	-0.17	-0.58	-0.28	+0.09	+0.49	+0.44	0.00	+0.75	+0.74
32	+0.38	-0.08	+0.27	+0.46	+0.94	+0.85	+0.43	+1.19	+1.04
34	+0.19	-0.22	+0.27	+0.58	+1.00	+0.80	+0.29	+1.11	+1.04
36	-0.06	-0.36	+0.06	+0.46	+0.81	+0.64	+0.14	+1.00	+1.00
38	-0.06	-0.10	+0.04	+0.41	+0.70	+0.60	+0.26	+1.04	+1.18
40	-0.16	-0.56	-0.22	+0.08	+0.52	+0.43	+0.04	+0.70	+0.86
42	+0.54	-0.10	+0.31	+0.48	+0.93	+0.80	+0.52	+1.12	+1.18
44	+0.45	-0.08	+0.34	+0.42	+0.78	+0.76	+0.35	+1.06	+1.21
46	+0.08	-0.22	-0.02	+0.27	+0.53	+0.61	+0.25	+0.99	+1.18
48	+0.09	-0.08	-0.08	+0.33	+0.50	+0.60	+0.34	+0.98	+1.32
50	-0.11	-0.51	-0.32	0.00	+0.37	+0.52	+0.23	+0.69	+0.94
52	+0.48	-0.04	+0.28	+0.48	+0.86	+0.81	+0.75	+1.28	+1.26
54	+0.28	+0.05	+0.24	+0.62	+0.76	+0.82	+0.70	+1.24	+1.20
56	+0.16	-0.08	+0.01	+0.50	+0.68	+0.63	+0.42	+1.00	+1.19
58	+0.24	-0.14	-0.15	+0.45	+0.60	+0.62	+0.54	+0.96	+1.34

TABLE XII.—*The Corrections for Division Errors of Circle B—Continued.*

	36°	38°	40°	42°	44°	46°	48°	50°	52°
'	"	"	"	"	"	"	"	"	"
0	+0.96	+0.20	+0.12	+0.47	-0.26	+0.49	+0.39	-0.16	+0.30
2	+1.24	+0.71	+0.54	+0.74	-0.05	+0.73	+0.84	+0.17	+0.80
4	+1.32	+0.51	+0.38	+0.54	+0.08	+0.86	+0.70	+0.12	+0.62
6	+1.20	+0.42	+0.11	+0.54	+0.06	+0.69	+0.77	+0.10	+0.64
8	+1.32	+0.60	+0.24	+0.46	+0.16	+0.72	+0.97	+0.22	+0.77
10	+1.02	+0.12	+0.10	+0.30	-0.24	+0.36	+0.44	-0.14	+0.28
12	+1.24	+0.61	+0.73	+0.44	+0.09	+0.65	+0.74	+0.20	+0.70
14	+1.18	+0.51	+0.46	+0.51	+0.08	+0.69	+0.76	+0.12	+0.50
16	+1.13	+0.48	+0.26	+0.44	+0.09	+0.68	+0.88	+0.10	+0.64
18	+1.37	+0.60	+0.41	+0.37	+0.18	+0.66	+1.00	+0.24	+0.85
20	+1.03	+0.20	+0.20	+0.22	-0.30	+0.29	+0.49	-0.20	+0.36
22	+1.16	+0.72	+0.75	+0.26	+0.13	+0.56	+0.67	+0.18	+0.79
24	+1.25	+0.48	+0.54	+0.43	+0.17	+0.72	+0.54	+0.14	+0.63
26	+1.27	+0.46	+0.36	+0.58	+0.14	+0.65	+0.54	+0.14	+0.74
28	+1.44	+0.58	+0.52	+0.47	+0.16	+0.70	+0.82	+0.30	+0.95
30	+1.04	+0.20	+0.26	+0.25	-0.16	+0.20	+0.31	-0.14	+0.42
32	+1.43	+0.69	+0.84	+0.38	+0.28	+0.63	+0.64	+0.31	+0.80
34	+1.28	+0.45	+0.88	+0.54	+0.26	+0.58	+0.58	+0.28	+0.54
36	+1.14	+0.42	+0.68	+0.58	+0.28	+0.58	+0.58	+0.14	+0.87
38	+1.40	+0.60	+0.70	+0.50	+0.30	+0.57	+0.74	+0.32	+0.88
40	+1.04	+0.20	+0.62	+0.24	+0.02	+0.22	+0.24	-0.04	+0.32
42	+1.26	+0.68	+1.00	+0.45	+0.38	+0.52	+0.64	+0.46	+0.70
44	+1.13	+0.40	+1.00	+0.58	+0.32	+0.51	+0.64	+0.40	+0.72
46	+1.14	+0.38	+1.00	+0.51	+0.32	+0.62	+0.59	+0.37	+0.70
48	+1.21	+0.54	+0.98	+0.57	+0.36	+0.72	+0.80	+0.50	+0.84
50	+0.98	+0.20	+0.89	+0.39	-0.04	+0.08	+0.19	+0.04	+0.41
52	+1.26	+0.77	+1.28	+0.68	+0.36	+0.50	+0.69	+0.47	+0.88
54	+1.21	+0.44	+1.24	+0.72	+0.35	+0.55	+0.68	+0.42	+0.90
56	+1.02	+0.42	+1.18	+0.64	+0.35	+0.64	+0.70	+0.36	+0.97
58	+1.18	+0.62	+1.22	+0.54	+0.46	+0.67	+0.79	+0.54	+1.02

	37°	39°	41°	43°	45°	47°	49°	51°	53°
'	"	"	"	"	"	"	"	"	"
0	+0.97	+0.27	+0.98	+0.32	+0.04	+0.21	+0.17	+0.02	+0.62
2	+1.41	+0.74	+1.40	+0.60	+0.46	+0.63	+0.70	+0.62	+0.92
4	+1.20	+0.50	+1.41	+0.64	+0.46	+0.70	+0.61	+0.51	+1.00
6	+1.00	+0.32	+1.35	+0.62	+0.54	+0.90	+0.50	+0.48	+1.13
8	+1.19	+0.62	+1.32	+0.44	+0.58	+0.86	+0.60	+0.60	+1.16
10	+0.82	+0.26	+1.06	+0.10	+0.27	+0.34	+0.10	+0.14	+0.76
12	+1.29	+0.76	+1.38	+0.45	+0.74	+0.58	+0.58	+0.53	+1.02
14	+1.14	+0.38	+1.54	+0.50	+0.74	+0.68	+0.37	+0.45	+1.02
16	+0.91	+0.29	+1.29	+0.45	+0.90	+0.84	+0.36	+0.36	+1.04
18	+0.94	+0.52	+1.31	+0.32	+0.98	+0.85	+0.58	+0.62	+1.30
20	+0.68	+0.20	+1.12	0.00	+0.47	+0.37	-0.06	+0.08	+0.81
22	+1.11	+0.70	+1.40	+0.38	+0.79	+0.64	+0.49	+0.43	+1.08
24	+1.04	+0.44	+1.46	+0.32	+0.89	+0.68	+0.15	+0.43	+1.04
26	+1.00	+0.27	+1.28	+0.34	+0.98	+0.88	+0.05	+0.40	+1.11
28	+0.99	+0.58	+1.24	+0.26	+1.22	+0.88	+0.36	+0.55	+1.20
30	+0.54	+0.24	+1.03	-0.16	+0.65	+0.38	-0.17	-0.04	+0.80
32	+1.00	+0.77	+1.30	+0.22	+0.77	+0.71	+0.14	+0.42	+0.97
34	+0.94	+0.35	+1.33	+0.23	+1.05	+0.78	-0.17	+0.33	+0.92
36	+0.66	+0.18	+1.08	+0.26	+1.08	+0.93	+0.01	+0.34	+0.96
38	+0.83	+0.44	+1.10	+0.25	+1.20	+1.06	+0.14	+0.56	+1.14
40	+0.34	+0.09	+0.75	-0.08	+0.58	+0.45	-0.28	+0.08	+0.78
42	+0.90	+0.70	+1.04	+0.18	+0.74	+0.75	+0.02	+0.45	+0.92
44	+0.74	+0.36	+1.01	+0.09	+1.09	+0.76	-0.10	+0.44	+0.82
46	+0.45	+0.18	+0.87	+0.04	+1.12	+0.86	-0.06	+0.52	+0.85
48	+0.50	+0.35	+0.92	+0.20	+1.15	+0.96	0.00	+0.72	+1.16
50	+0.19	+0.14	+0.79	-0.17	+0.57	+0.40	-0.32	+0.04	+0.72
52	+0.72	+0.70	+0.90	+0.14	+0.82	+0.81	+0.12	+0.53	+1.02
54	+0.56	+0.48	+0.81	+0.19	+0.99	+0.88	+0.01	+0.47	+1.02
56	+0.40	+0.22	+0.77	+0.08	+1.01	+0.90	+0.04	+0.59	+0.89
58	+0.54	+0.27	+0.68	+0.20	+1.08	+0.98	+0.21	+0.67	+1.08

TABLE XII. *The Corrections for Division Errors of Circle B—Continued.*

	54°	56°	58°	60°	62°	64°	66°	68°	70°
0	+0.59	+0.56	-0.18	+0.21	+0.06	+0.38	-0.22	+0.16	+0.11
2	+0.94	+1.02	-0.02	+0.63	+0.46	+0.80	+0.26	+0.57	+0.64
4	+0.94	+1.04	-0.05	+0.54	+0.56	+0.72	+0.32	+0.58	+0.52
6	+0.66	+0.86	+0.07	+0.42	+0.24	+0.51	+0.12	+0.50	+0.28
8	+0.82	+1.06	+0.46	+0.42	+0.34	+0.48	-0.14	+0.41	+0.30
10	+0.48	+0.66	-0.08	+0.12	+0.06	+0.25	-0.22	+0.14	+0.01
12	+0.97	+1.01	+0.27	+0.60	+0.42	+0.74	+0.22	+0.55	+0.66
14	+0.94	+1.00	+0.27	+0.46	+0.58	+0.68	+0.22	+0.66	+0.46
16	+0.72	+1.01	+0.24	+0.38	+0.26	+0.67	+0.03	+0.44	+0.28
18	+0.86	+1.16	+0.56	+0.33	+0.32	+0.51	-0.01	+0.47	+0.28
20	+0.39	+0.76	-0.06	+0.10	0.00	+0.04	-0.25	+0.14	+0.06
22	+0.87	+1.20	+0.28	+0.49	+0.38	+0.73	+0.18	+0.58	+0.71
24	+0.74	+1.19	+0.22	+0.31	+0.58	+0.68	+0.20	+0.59	+0.42
26	+0.46	+0.95	+0.13	+0.28	+0.33	+0.52	+0.02	+0.50	+0.20
28	+0.68	+1.11	+0.49	+0.28	+0.23	+0.51	-0.01	+0.63	+0.28
30	+0.37	+0.64	-0.11	-0.02	-0.10	+0.12	-0.23	+0.20	+0.07
32	+0.74	+1.05	+0.28	+0.43	+0.32	+0.68	+0.16	+0.61	+0.50
34	+0.75	+0.92	+0.18	+0.26	+0.58	+0.60	+0.26	+0.57	+0.28
36	+0.52	+0.69	+0.22	+0.14	+0.36	+0.39	+0.13	+0.36	+0.08
38	+0.65	+0.96	+0.42	+0.18	+0.26	+0.28	+0.06	+0.45	+0.18
40	+0.31	+0.50	+0.02	-0.06	-0.07	+0.02	-0.11	+0.19	-0.02
42	+0.72	+0.96	+0.40	+0.46	+0.53	+0.50	+0.32	+0.60	+0.44
44	+0.58	+0.84	+0.26	+0.35	+0.59	+0.34	+0.43	+0.60	+0.33
46	+0.47	+0.56	+0.33	+0.12	+0.42	+0.27	+0.29	+0.46	+0.15
48	+0.50	+0.81	+0.66	+0.18	+0.50	+0.20	+0.28	+0.48	+0.26
50	+0.18	+0.42	+0.20	-0.18	+0.16	-0.01	+0.09	+0.21	+0.14
52	+0.64	+0.86	+0.68	+0.26	+0.61	+0.47	+0.42	+0.64	+0.56
54	+0.64	+0.82	+0.69	+0.06	+0.78	+0.34	+0.60	+0.52	+0.34
56	+0.38	+0.61	+0.63	-0.12	+0.55	+0.23	+0.44	+0.44	+0.17
58	+0.61	+0.90	+0.84	+0.06	+0.72	+0.24	+0.28	+0.44	+0.26

	55°	57°	59°	61°	63°	65°	67°	69°	71°
0	+0.32	+0.20	+0.31	-0.19	+0.32	+0.04	-0.01	+0.24	+0.13
2	+0.65	+0.74	+0.72	+0.36	+0.70	+0.50	+0.52	+0.58	+0.61
4	+0.64	+0.63	+0.68	+0.24	+0.74	+0.32	+0.46	+0.54	+0.43
6	+0.37	+0.54	+0.52	-0.06	+0.66	+0.20	+0.46	+0.34	+0.18
8	+0.56	+0.96	+0.70	+0.15	+0.70	+0.20	+0.36	+0.35	+0.21
10	+0.22	+0.18	+0.20	-0.02	+0.32	-0.06	+0.06	+0.20	-0.03
12	+0.46	+0.57	+0.74	+0.36	+0.85	+0.42	+0.36	+0.66	+0.42
14	+0.40	+0.52	+0.81	+0.19	+0.84	+0.36	+0.44	+0.58	+0.35
16	+0.23	+0.52	+0.68	+0.07	+0.62	+0.12	+0.38	+0.42	+0.15
18	+0.54	+0.80	+0.70	+0.06	+0.73	+0.10	+0.32	+0.40	+0.23
20	+0.17	+0.02	+0.18	-0.12	+0.30	-0.11	+0.01	+0.19	-0.12
22	+0.39	+0.36	+0.80	+0.48	+0.76	+0.52	+0.48	+0.78	+0.36
24	+0.38	+0.32	+0.74	+0.38	+0.76	+0.38	+0.57	+0.63	+0.25
26	+0.29	+0.36	+0.60	+0.06	+0.66	+0.18	+0.35	+0.36	-0.07
28	+0.64	+0.64	+0.61	+0.18	+0.79	+0.14	+0.27	+0.41	+0.04
30	+0.26	+0.02	+0.20	+0.01	+0.33	-0.14	+0.03	+0.19	-0.34
32	+0.46	+0.18	+0.79	+0.46	+0.76	+0.38	+0.43	+0.72	+0.36
34	+0.56	-0.04	+0.68	+0.42	+0.74	+0.34	+0.57	+0.64	+0.22
36	+0.30	+0.31	+0.50	+0.08	+0.68	+0.14	+0.60	+0.47	-0.04
38	+0.68	+0.63	+0.52	+0.24	+0.74	+0.04	+0.46	+0.55	+0.01
40	+0.33	-0.09	+0.24	+0.07	+0.36	-0.15	+0.15	+0.32	-0.31
42	+0.59	+0.18	+0.72	+0.42	+0.82	+0.36	+0.60	+0.66	+0.32
44	+0.64	-0.07	+0.58	+0.25	+0.84	+0.33	+0.58	+0.55	+0.22
46	+0.34	+0.14	+0.42	0.00	+0.78	+0.14	+0.44	+0.48	+0.01
48	+0.64	+0.52	+0.46	+0.17	+0.89	+0.06	+0.34	+0.49	-0.13
50	+0.48	-0.12	+0.24	-0.04	+0.38	-0.14	+0.05	+0.20	-0.44
52	+0.70	+0.08	+0.61	+0.37	+0.87	+0.37	+0.48	+0.68	+0.13
54	+0.83	-0.11	+0.66	+0.48	+0.79	+0.32	+0.54	+0.52	+0.07
56	+0.62	-0.02	+0.58	+0.35	+0.68	+0.20	+0.51	+0.43	-0.16
58	+1.00	+0.45	+0.54	+0.36	+0.62	+0.04	+0.37	+0.42	-0.14

TABLE XII.—*The Corrections for Division Errors of Circle B—Continued.*

	72°	74°	76°	78°	80°	82°	84°	86°	88°
0	−0.56	−0.10	+0.18	+0.28	+0.20	+0.66	−0.57	+0.65	−0.05
2	+0.12	+0.20	+0.62	+0.83	+0.69	+1.09	+0.06	+1.00	+0.33
4	+0.04	+0.46	+0.42	+0.68	+0.66	+0.96	−0.06	+1.30	+0.58
6	−0.12	+0.35	+0.35	+0.50	+0.68	+0.82	−0.34	+1.24	+0.29
8	−0.12	+0.42	+0.52	+0.49	+0.76	+0.97	−0.31	+1.20	+0.35
10	−0.54	−0.11	+0.10	+0.34	+0.26	+0.69	−0.69	+0.54	+0.06
12	−0.02	+0.31	+0.54	+0.83	+0.74	+1.16	−0.08	+0.94	+0.49
14	−0.02	+0.43	+0.38	+0.65	+0.90	+1.08	−0.29	+1.35	+0.69
16	−0.06	+0.38	+0.34	+0.52	+0.77	+0.95	−0.61	+1.36	+0.41
18	+0.02	+0.42	+0.51	+0.48	+0.70	+1.11	−0.47	+1.10	+0.37
20	−0.48	−0.08	+0.19	+0.25	+0.24	+0.72	−0.54	+0.74	+0.14
22	−0.02	+0.34	+0.55	+0.72	+0.64	+1.21	−0.04	+1.15	+0.62
24	+0.05	+0.50	+0.52	+0.68	+0.68	+1.18	−0.13	+1.39	+0.84
26	−0.08	+0.35	+0.48	+0.29	+0.57	+0.92	−0.41	+1.32	+0.59
28	+0.04	+0.46	+0.62	+0.28	+0.62	+0.91	−0.31	+1.26	+0.60
30	−0.36	−0.11	+0.21	+0.20	+0.19	+0.63	−0.55	+1.07	+0.29
32	+0.12	+0.21	+0.60	+0.64	+0.68	+1.12	−0.05	+1.36	+0.68
34	−0.14	+0.44	+0.52	+0.50	+0.70	+1.18	−0.19	+1.52	+0.84
36	−0.12	+0.33	+0.38	+0.30	+0.49	+0.70	−0.32	+1.46	+0.70
38	−0.03	+0.46	+0.36	+0.27	+0.62	+0.84	−0.40	+1.34	+0.65
40	−0.34	−0.04	+0.13	+0.14	+0.12	+0.41	−0.36	+1.16	+0.38
42	+0.04	+0.36	+0.67	+0.54	+0.60	+0.94	+0.08	+1.47	+0.73
44	−0.01	+0.58	+0.58	+0.46	+0.61	+0.89	+0.10	+1.56	+0.86
46	−0.02	+0.47	+0.41	+0.30	+0.51	+0.46	−0.12	+1.45	+0.70
48	+0.04	+0.62	+0.43	+0.45	+0.57	+0.66	−0.14	+1.33	+0.58
50	−0.31	+0.12	+0.25	+0.35	+0.13	+0.30	−0.22	+1.06	+0.28
52	+0.10	+0.54	+0.62	+0.78	+0.61	+0.94	+0.17	+1.50	+0.59
54	+0.04	+0.68	+0.71	+0.70	+0.60	+0.78	+0.18	+1.65	+0.68
56	−0.16	+0.62	+0.49	+0.60	+0.54	+0.29	+0.10	+1.37	+0.55
58	−0.08	+0.73	+0.58	+0.59	+0.68	+0.42	+0.10	+1.15	+0.54
	73°	75°	77°	79°	81°	83°	85°	87°	89°
0	−0.34	+0.23	+0.31	+0.23	+0.24	+0.20	−0.11	+0.86	+0.24
2	+0.04	+0.58	+0.84	+0.72	+0.66	+0.68	+0.46	+1.40	+0.70
4	−0.03	+0.83	+0.70	+0.68	+0.52	+0.68	+0.33	+1.32	+0.91
6	−0.18	+0.58	+0.42	+0.43	+0.54	+0.42	+0.20	+0.94	+0.76
8	−0.04	+0.68	+0.40	+0.47	+0.50	+0.40	+0.24	+0.84	+0.67
10	−0.38	+0.26	+0.32	+0.20	+0.18	+0.05	+0.01	+0.51	+0.31
12	−0.01	+0.68	+0.82	+0.75	+0.70	+0.51	+0.34	+1.06	+0.72
14	+0.08	+0.90	+0.72	+0.75	+0.82	+0.54	+0.41	+1.12	+0.81
16	−0.12	+0.68	+0.43	+0.62	+0.60	+0.32	+0.31	+0.76	+0.74
18	−0.01	+0.77	+0.46	+0.68	+0.64	+0.30	+0.21	+0.78	+0.76
20	−0.45	+0.34	+0.28	+0.18	+0.38	−0.06	+0.09	+0.50	+0.52
22	+0.06	+0.80	+0.70	+0.62	+0.69	+0.48	+0.49	+0.93	+0.72
24	+0.05	+0.88	+0.74	+0.76	+0.60	+0.40	+0.73	+0.98	+0.76
26	−0.07	+0.70	+0.46	+0.62	+0.68	+0.04	+0.37	+0.54	+0.69
28	+0.03	+0.80	+0.51	+0.59	+0.62	+0.18	+0.38	+0.57	+0.74
30	−0.29	+0.36	+0.36	+0.12	+0.40	−0.18	+0.18	+0.29	+0.44
32	+0.12	+0.82	+0.86	+0.62	+0.86	+0.24	+0.66	+0.61	+0.78
34	+0.20	+0.70	+0.85	+0.66	+0.75	+0.20	+0.92	+0.72	+0.73
36	0.00	+0.60	+0.54	+0.48	+0.66	−0.02	+0.74	+0.27	+0.64
38	+0.23	+0.77	+0.64	+0.57	+0.65	−0.06	+0.65	+0.33	+0.59
40	−0.22	+0.36	+0.27	+0.16	+0.46	−0.42	+0.24	+0.04	+0.34
42	+0.09	+0.78	+0.84	+0.62	+0.90	+0.13	+0.93	+0.42	+0.69
44	+0.38	+0.60	+0.72	+0.70	+0.78	+0.10	+1.06	+0.54	+0.84
46	+0.36	+0.44	+0.48	+0.54	+0.75	−0.23	+0.86	+0.14	+0.78
48	+0.45	+0.60	+0.43	+0.66	+0.92	−0.16	+0.91	+0.14	+0.71
50	+0.03	+0.27	+0.18	+0.24	+0.61	−0.50	+0.61	−0.06	+0.51
52	+0.21	+0.72	+0.74	+0.63	+1.01	+0.16	+1.06	+0.22	+0.80
54	+0.30	+0.48	+0.69	+0.72	+0.93	−0.09	+1.32	+0.41	+0.99
56	+0.33	+0.36	+0.46	+0.63	+0.86	−0.24	+1.16	+0.14	+0.81
58	+0.38	+0.51	+0.41	+0.72	+1.04	−0.18	+1.04	+0.17	+0.81

TABLE XIII.—*The Corrections to the Preliminary Declinations for Variation of Latitude.*

[The sign of the correction must be changed if the declination was deduced from an observation below pole.]

Date.	$\Delta\delta$	Date.	$\Delta\delta$	Date.	$\Delta\delta$	Date.	$\Delta\delta$
1903	"	1904	"	1904	"	1905	"
Aug. 30.3		Apr. 11.3		Dec. 26.0		June 27.6	
	+0.14		+0.04		-0.01		+0.03
Sept. 3.8		16.0		29.2		30.5	
	+0.13		+0.05		-0.02		+0.04
7.8		20.6		1905		July 3.3	
	+0.12		+0.06				+0.05
11.9		24.9		Jan. 1.2		6.1	
	+0.11		+0.07		-0.03		+0.06
15.9		29.2		4.2		8.7	
	+0.10		+0.08		-0.04		+0.07
19.7		May. 3.8		7.1		11.7	
	+0.09		+0.09		-0.05		+0.08
23.4		8.4		10.1		14.6	
	+0.08		+0.10		-0.06		+0.09
27.3		13.1		13.1		17.5	
	+0.07		+0.11		-0.07		+0.10
Oct. 1.0		18.4		16.1		20.5	
	+0.06		+0.12		-0.08		+0.11
4.7		23.6		19.3		23.8	
	+0.05		+0.13		-0.09		+0.12
8.6		28.8		23.0		27.5	
	+0.04		+0.14		-0.10		+0.13
12.4		June 3.7		27.1		31.5	
	+0.03		+0.15		-0.11		+0.14
16.4		9.8		31.4		Aug. 4.7	
	+0.02		+0.16		-0.12		+0.15
20.4		16.4		Feb. 5.3		9.5	
	+0.01		+0.17		-0.13		+0.16
24.5		25.3		10.7		14.8	
	0.00		+0.18		-0.14		+0.17
28.7		July 7.2		17.5		20.9	
	-0.01		+0.19		-0.15		+0.18
Nov. 2.2		Aug. 27.3		26.5		28.5	
	-0.02		+0.18		-0.16		+0.19
6.8		Sept. 11.5		Mar. 19.2		Sept. 9.3	
	-0.03		+0.17		-0.15		+0.20
12.1		22.8		30.8		Oct. 10.4	
	-0.04		+0.16		-0.14		+0.19
18.3		Oct. 2.8		Apr. 8.9		24.4	
	-0.05		+0.15		-0.13		+0.18
25.5		10.5		17.0		Nov. 3.1	
	-0.06		+0.14		-0.12		+0.17
Dec. 5.3		17.8		24.3		11.0	
	-0.07		+0.13		-0.11		+0.16
19.3		24.8		May 1.5		17.1	
	-0.08		+0.12		-0.10		+0.15
1904		30.8		7.5		22.4	
			+0.11		-0.09		+0.14
Jan. 29.1		Nov. 5.5		12.9		27.6	
	-0.07		+0.10		-0.08		+0.13
Feb. 9.3		10.7		18.0		Dec. 2.3	
	-0.06		+0.09		-0.07		+0.12
18.3		15.6		22.8		6.9	
	-0.05		+0.08		-0.06		+0.11
25.6		20.6		27.3		11.5	
	-0.04		+0.07		-0.05		+0.10
Mar. 3.2		25.9		31.7		15.7	
	-0.03		+0.06		-0.04		+0.09
9.2		Dec. 1.0		June 5.0		19.5	
	-0.02		+0.05		-0.03		+0.08
15.3		5.8		9.6		23.1	
	-0.01		+0.04		-0.02		+0.07
21.4		10.8		13.7		26.8	
	0.00		+0.03		-0.01		+0.06
28.9		15.1		17.7		30.2	
	+0.01		+0.02		0.00		+0.05
Apr. 1.4		18.9		21.3		1906	
	+0.02		+0.01		+0.01	Jan. 2.6	
6.4		22.5		24.6		5.8	
	+0.03		0.00		+0.02		+0.04
							+0.03

TABLE XIII.—*The Corrections to the Preliminary Declinations for Variation of Latitude—Contd.*

[The sign of the correction must be changed if the declination was deduced from an observation below pole.]

Date.	$\Delta\delta$	Date.	$\Delta\delta$	Date.	$\Delta\delta$	Date.	$\Delta\delta$
1906	"	1906	"	1907	"	1908	"
Jan. 9.2		Aug. 19.2		Apr. 9.4		Jan. 3.3	
	+0.02		+0.08		-0.07		+0.18
12.5	+0.01	24.8	+0.09	16.0	-0.08	9.4	+0.19
15.8	0.00	31.1	+0.10	23.1	-0.09	15.2	+0.20
19.2	-0.01	Sept. 6.6	+0.11	May 1.1	-0.10	21.1	+0.21
22.8	-0.02	13.9	+0.12	9.4	-0.11	27.7	+0.22
26.5	-0.03	22.0	+0.13	19.3	-0.12	Feb. 4.8	+0.23
30.1	-0.04	30.6	+0.14	June 2.5	-0.13	Mar. 10.0	+0.22
Feb. 2.8	-0.05	Oct. 9.6	+0.15	July 7.9	-0.12	18.5	+0.21
6.9	-0.06	19.7	+0.16	20.2	-0.11	24.8	+0.20
10.9	-0.07	29.8	+0.17	28.8	-0.10	30.4	+0.19
15.2	-0.08	Nov. 10.6	+0.18	Aug. 5.4	-0.09	Apr. 4.1	+0.18
19.8	-0.09	Dec. 18.0	+0.17	11.9	-0.08	8.7	+0.17
24.4	-0.10	26.3	+0.16	17.9	-0.07	13.1	+0.16
Mar. 1.8	-0.11	1907		23.7	-0.06	17.2	+0.15
9.5	-0.12	Jan. 1.4	+0.15	29.3	-0.05	21.0	+0.14
21.9	-0.13	6.3	+0.14	Sept. 3.6	-0.04	24.5	+0.13
Apr. 20.1	-0.12	10.3	+0.13	8.7	-0.03	28.0	+0.12
May 4.7	-0.11	14.3	+0.12	13.6	-0.02	May 1.2	+0.11
13.5	-0.10	17.5	+0.11	18.9	-0.01	4.6	+0.10
20.0	-0.09	20.9	+0.10	23.9	0.00	7.8	+0.09
26.0	-0.08	24.2	+0.09	28.9	+0.01	11.2	+0.08
31.2	-0.07	27.8	+0.08	Oct. 3.6	+0.02	14.2	+0.07
June 5.0	-0.06	31.2	+0.07	8.5	+0.03	17.6	+0.06
9.8	-0.05	Feb. 3.6	+0.06	13.2	+0.04	21.0	+0.05
15.0	-0.04	7.4	+0.05	18.0	+0.05	24.3	+0.04
20.2	-0.03	11.5	+0.04	22.6	+0.06	27.8	+0.03
25.4	-0.02	15.8	+0.03	27.3	+0.07	31.6	+0.02
30.6	-0.01	20.5	+0.02	Nov. 1.2	+0.08	June 4.5	+0.01
July 5.8	0.00	25.0	+0.01	5.8	+0.09	8.6	0.00
11.3	+0.01	Mar. 1.5	0.00	10.2	+0.10	12.6	-0.01
16.8	+0.02	6.6	-0.01	15.4	+0.11	16.9	-0.02
22.0	+0.03	11.8	-0.02	20.6	+0.12	21.1	-0.03
27.8	+0.04	16.8	-0.03	26.8	+0.13	25.6	-0.04
Aug. 2.0	+0.05	21.9	-0.04	Dec. 3.5	+0.14	30.0	-0.05
7.7	+0.06	27.6	-0.05	10.9	+0.15	July 5.1	-0.06
13.2	+0.07	Apr. 2.5	-0.06	19.1	+0.16	10.5	-0.07
				27.0	-0.17		

TABLE XIII.—*The Corrections to the Preliminary Declinations for Variation of Latitude—Contd.*

[The sign of the correction must be changed if the declination was deduced from an observation below pole.]

Date.	$\Delta\delta$	Date.	$\Delta\delta$	Date.	$\Delta\delta$	Date.	$\Delta\delta$
1908	"	1909	"	1909	"	1909	"
July 15.9	-0.08	Feb. 18.3	+0.19	July 26.3	+0.13	Nov. 12.3	-0.23
22.1	-0.09	21.0	+0.20	29.8	+0.12	17.5	-0.24
29.2	-0.10	23.8	+0.21	Aug. 2.1	+0.11	23.5	-0.25
Aug. 7.2	-0.11	26.2	+0.22	5.4	+0.10	Dec. 1.6	-0.26
19.4	-0.12	28.9	+0.23	8.8	+0.09	23.4	-0.25
Oct. 14.5	-0.11	Mar. 4.0	+0.24	12.0	+0.08	30.7	-0.24
26.7	-0.10	7.0	+0.25	15.1	+0.07	1910	
Nov. 5.3	-0.09	10.3	+0.26	18.2	+0.06	Jan. 4.7	-0.23
13.0	-0.08	13.4	+0.27	21.3	+0.05	8.6	-0.22
19.6	-0.07	17.2	+0.28	24.4	+0.04	12.0	-0.21
25.5	-0.06	20.7	+0.29	27.4	+0.03	14.8	-0.20
30.9	-0.05	24.8	+0.30	30.7	+0.02	17.8	-0.19
Dec. 5.7	-0.04	28.6	+0.31	Sept. 2.7	+0.01	20.4	-0.18
10.2	-0.03	Apr. 2.0	+0.32	5.6	0.00	23.2	-0.17
14.4	-0.02	7.4	+0.33	8.6	-0.01	25.4	-0.16
18.5	-0.01	17.0	+0.34	11.9	-0.02	27.9	-0.15
22.1	0.00	29.5	+0.33	15.0	-0.03	30.3	-0.14
25.7	+0.01	May 9.9	+0.32	18.1	-0.04	Feb. 1.4	-0.13
29.4	+0.02	16.7	+0.31	20.1	-0.05	3.7	-0.12
1909		21.7	+0.30	22.8	-0.06	6.1	-0.11
Jan. 1.9	+0.03	26.8	+0.29	25.2	-0.07	8.2	-0.10
5.4	+0.04	31.7	+0.28	27.8	-0.08	10.2	-0.09
8.5	+0.05	June 5.2	+0.27	30.1	-0.09	12.2	-0.08
11.8	+0.06	9.6	+0.26	Oct. 2.4	-0.10	14.4	-0.07
15.1	+0.07	13.5	+0.25	5.1	-0.11	16.4	-0.06
18.2	+0.08	17.6	+0.24	7.5	-0.12	18.5	-0.05
21.1	+0.09	21.3	+0.23	9.8	-0.13	20.6	-0.04
24.1	+0.10	24.9	+0.22	12.6	-0.14	22.8	-0.03
27.0	+0.11	28.5	+0.21	14.9	-0.15	24.9	-0.02
30.1	+0.12	July 2.1	+0.20	17.8	-0.16	26.9	-0.01
Feb. 1.9	+0.13	5.6	+0.19	21.0	-0.17	Mar. 1.0	0.00
4.7	+0.14	9.1	+0.18	24.2	-0.18	2.8	+0.01
7.5	+0.15	12.6	+0.17	27.3	-0.19	5.0	+0.02
10.2	+0.16	16.1	+0.16	30.9	-0.20	7.0	+0.03
12.8	+0.17	19.4	+0.15	Nov. 3.4	-0.21	8.8	+0.04
15.5	+0.18	22.9	+0.14	7.5	-0.22	10.9	+0.05

TABLE XIII. — *The Corrections to the Preliminary Declinations for Variation of Latitude.—Contd.*

[The sign of the correction must be changed if the declination was deduced from an observation below pole.]

Date.	$\Delta\delta$	Date.	$\Delta\delta$	Date.	$\Delta\delta$	Date.	$\Delta\delta$
1910	"	1910	"	1910	"	1910	"
Mar. 12.9		June 23.8		Sept. 26.3		Dec. 6.2	
	+0.06		+0.34		+0.10		-0.18
14.9	+0.07	July 11.3	+0.35	28.5	+0.09	13.1	-0.19
16.8	+0.08	20.4	+0.36	30.4	+0.08	21.5	-0.20
18.9	+0.09	28.5	+0.35	Oct. 2.7	+0.07	1911	
20.9	+0.10	Aug. 3.9	+0.34	4.9	+0.06	Jan. 18.4	-0.19
23.0	+0.11	8.4	+0.33	7.1	+0.05	27.5	-0.18
24.8	+0.12	11.4	+0.32	9.4	+0.04	Feb. 3.8	-0.17
27.1	+0.13	14.1	+0.31	11.6	+0.03	9.6	-0.16
29.2	+0.14	16.5	+0.30	13.6	+0.02	15.0	-0.15
31.5	+0.15	19.2	+0.29	15.9	+0.01	19.8	-0.14
Apr. 2.9	+0.16	21.2	+0.28	18.2	0.00	24.2	-0.13
5.1	+0.17	23.4	+0.27	20.4	-0.01	28.6	-0.12
7.5	+0.18	25.5	+0.26	22.5	-0.02	Mar. 4.3	-0.11
9.9	+0.19	27.5	+0.25	24.8	-0.03	7.7	-0.10
12.4	+0.20	29.8	+0.24	26.8	-0.04	11.2	-0.09
15.2	+0.21	31.7	+0.23	29.3	-0.05	14.4	-0.08
18.2	+0.22	Sept. 2.7	+0.22	31.7	-0.06	17.5	-0.07
21.5	+0.23	4.4	+0.21	Nov. 3.0	-0.07	20.4	-0.06
25.0	+0.24	6.3	+0.20	5.5	-0.08	23.1	-0.05
28.6	+0.25	8.2	+0.19	8.1	-0.09	25.8	-0.04
May 2.9	+0.26	10.2	+0.18	10.6	-0.10	28.5	-0.03
7.8	+0.27	11.8	+0.17	13.2	-0.11	31.2	-0.02
13.4	+0.28	14.0	+0.16	15.5	-0.12	Apr. 2.8	-0.01
19.1	+0.29	15.8	+0.15	18.6	-0.13	5.1	0.00
25.8	+0.30	17.9	+0.14	21.4	-0.14	7.7	+0.01
June 1.3	+0.31	19.8	+0.13	24.5	-0.15	10.4	+0.02
8.2	+0.32	21.9	+0.12	28.2	-0.16	12.9	
15.4	+0.33	24.2	+0.11	Dec. 2.2	-0.17		

TABLE XIV.—*The Corrections to the Preliminary Declinations of Stars to Eliminate Personality, Head North minus Head South and to Reduce the Results of Each Year for Different Observers to a Uniform System.*

Observer.	Clamp West, 1903-4.	Clamp East, 1904-5.	Clamp West, 1905-6.	Clamp East, 1907-8.	Clamp West, 1908-9.	Clamp East, 1909-11.
South Stars Observed Head North.						
Ei.-Y.	-0.10	-0.40	(*)	....	....	....
Ei.-R.	-0.14	....	....	....	....	....
Ei.-M.	-0.23	-0.54	....	+0.23	....	....
Ei.-P.	....	....	-0.49	+0.08	....	....
L.	-0.68	....	....	....	-0.68	-0.72
R.	+0.17	....	....	....	....	....
Br.	-0.05	+0.05	-0.09	....	....	....
M.	+0.22	+0.22	+0.22	+0.22	+0.22	+0.22
Y.	....	-0.23	....	....	....	....
Hl.	....	-0.57	-0.89	-0.66	....	....
Bs.	....	....	-0.44	....	....	....
P.	....	....	-0.79	-0.54	-0.72	*-0.56
Fk.	....	....	....	-0.49	-0.46	....
T.	-0.27	+0.72	....	....	....	....
North Stars Observed Head South and Above the Pole.†						
Ei.-Y.	-0.58	-0.88	(†)	....	....	....
L.	+0.50	....	....	....	+0.50	+0.46
R.	+0.01	....	....	....	....	....
Br.	-0.37	-0.27	-0.41	....	....	....
M.	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
T.	1.17	-0.18	....	....	....	....
Y.	....	+0.19	....	....	....	....
Hl.	....	+0.27	-0.05	+0.18	....	....
Bs.	....	....	-0.04	....	....	....
P.	....	....	-0.01	+0.24	+0.06	+0.22
Fk.	....	....	....	-0.05	-0.02	....

* The correction for Ei.-Y. is $-0''.55$ before Feb. 24.0, 1906, and $-0''.14$ after this date except for Mar. 5, 1906, when the correction is $-0''.35$.

† The correction for Ei.-Y. is $-1''.03$ before Feb. 24.0, 1906, and $-0''.62$ after this date.

‡ If the sign of the correction is changed, the corrections are then applicable to the declinations deduced from observations below pole.

TABLE XV.—*The Corrections to the Preliminary Declinations for Flexure.*

Declination.	Clamp West, 1903-4.	Clamp East, 1904-5.	Clamp West, 1905-6.	Clamp East, 1907-8.	Clamp West, 1908-9.	Clamp East, 1909-11.
°	"	"	"	"	"	"
+60 S. P.	+2.13	+0.07	+2.14	-0.29	+2.04	-0.24
+70 S. P.	+2.24	-0.13	+2.26	-0.50	+2.18	-0.44
+80 S. P.	+2.30	-0.35	+2.34	-0.72	+2.29	-0.67
+90 S. P.	+2.32	-0.59	+2.37	-0.96	+2.36	-0.90
+90.....	-2.32	+0.59	-2.37	+0.96	-2.36	+0.90
+80.....	-2.30	+0.84	-2.37	+1.20	-2.39	+1.14
+70.....	-2.23	+1.09	-2.32	+1.43	-2.38	+1.38
+60.....	-2.12	+1.34	-2.23	+1.65	-2.33	+1.60
+50.....	-1.98	+1.57	-2.10	+1.85	-2.24	+1.80
+40.....	-1.80	+1.78	-1.94	+2.02	-2.12	+1.98
+30.....	-1.60	+1.96	-1.75	+2.17	-1.96	+2.13
+20.....	-1.37	+2.11	-1.53	+2.28	-1.77	+2.25
+10.....	-1.13	+2.23	-1.30	+2.35	-1.56	+2.33
0.....	-0.88	+2.30	-1.05	+2.38	-1.34	+2.36
-10.....	-0.63	+2.33	-0.81	+2.37	-1.11	+2.36
-20.....	-0.39	+2.32	-0.57	+2.32	-0.87	+2.31
-30.....	-0.16	+2.27	-0.34	+2.23	-0.64	+2.23
-40.....	+0.04	+2.17	-0.12	+2.10	-0.43	+2.11

TABLE XVI.—*The Corrections to the Preliminary Declinations for Clamp Difference.**

Clamp Year.	Clamp.	$\Delta\delta$
		"
1903-4.....	West.	+0.17
1904-5.....	East.	-0.07
1905-6.....	West.	+0.16
1907-8.....	East.	-0.07
1908-9.....	West.	-0.04
1909-11.....	East.	-0.15

* The sign of the correction must be changed if the declination was deduced from an observation below pole.

TABLE XVII.—*The Corrections to the Preliminary Declinations Due to the Finally Adopted Corrections to the Preliminary Refraction and Latitude.*

Declination.	$\Delta\delta$	Declination.	$\Delta\delta$	Declination.	$\Delta\delta$	Declination.	$\Delta\delta$
°	"	°	"	°	"	°	"
+63 S. P.	+0.37	+80 S. P.	-0.02	+30.....	+0.28	-32.....	+0.65
+64 S. P.	+0.32	+90 S. P.	-0.10	+20.....	+0.31	-33.....	+0.67
+65 S. P.	+0.28	+90.....	+0.10	+10.....	+0.34	-34.....	+0.70
+66 S. P.	+0.24	+80.....	+0.15	+ 0.....	+0.37	-35.....	+0.73
+67 S. P.	+0.21	+70.....	+0.18	-10.....	+0.42	-36.....	+0.76
+68 S. P.	+0.18	+60.....	+0.21	-20.....	+0.49	-37.....	+0.80
+69 S. P.	+0.15	+50.....	+0.24	-30.....	+0.61	-38.....	+0.84
+70 S. P.	+0.13	+40.....	+0.26	-31.....	+0.63	-39.....	+0.89
+80 S. P.	-0.02	+30.....	+0.28	-32.....	+0.65	-40.....	+0.95

TABLE XVIII.—*The Adopted Azimuths of the North and South Meridian Marks.*

Interval.	Cl.	A_n'	A_s'	A_n''	A_s''	No.	$A_n'' - A_s''$	$\Delta A''$	Δa_1	Δa
1903										
Sept. 3.4-Oct. 1.8	W.	^s -0.530	ⁿ -0.657	^s -0.524	^s -0.652	30	^s +0.005	^s -0.001	^s +0.008	^s +0.006
Oct. 4.4-Nov. 11.0	W.	-0.512	-0.615	-0.530	-0.632	18	-0.032	-0.002	-0.015	-0.018
Nov. 11.7-Dec. 18.5	W.	-0.552	-0.675							+0.008
1904										
Dec. 18.7-Feb. 3.9	W.	-0.547	-0.660	-0.546	-0.664	28	-0.045	+0.004	-0.001	
Feb. 4.2-Mar. 29.9	W.	-0.577	-0.709	-0.576	-0.704	24	-0.034	+0.003	+0.008	+0.003
Apr. 1.5-May 27.0	W.	-0.562	-0.703	-0.548	-0.688	26	-0.028	+0.002	+0.015	+0.014
May 27.3-Aug. 15.6	W.	-0.839	-0.682	-0.826	-0.670	24	-0.033	-0.002	+0.009	+0.012
Sept. 6.5-Oct. 17.8	E.	-0.804	-0.648	-0.822	-0.672	28	-0.042	+0.003	-0.019	-0.021
Oct. 17.9-Dec. 1.6	E.	-0.789	-0.614	-0.816	-0.642	26	+0.002	+0.002	-0.004	-0.028
1905										
Dec. 5.9-Jan. 9.9	E.	-0.826	-0.642	-0.849	-0.664	16	-0.015	+0.004	-0.004	-0.022
Jan. 12.7-Feb. 10.8	E.			-0.797 ¹	-0.610	18	+0.004	+0.001	+0.007	+0.030
Feb. 10.9-Mar. 19.5	E.	-0.207	-0.634	-0.196	-0.627	24	-0.034	0.000	+0.012	+0.013
Mar. 23.3-June 25.3	E.									
Aug. 13.6-Aug. 17.0	W.	-0.188	-0.900	-0.195	-0.915 ²	36	-0.021	+0.001	-0.006	-0.011
Aug. 17.3-Oct. 1.6	W.									
Oct. 3.5-Oct. 17.5	W.	-0.187	-0.872	-0.186	-0.872	22	-0.029	0.000	-0.014	+0.015
Oct. 21.3-Dec. 7.9	W.									
Dec. 10.3-Dec. 23.5	W.									0.000
1906										
Dec. 25.9-Jan. 30.6	W.	-0.208	-0.903	-0.204	-0.910	26	-0.026	-0.001	-0.006	-0.002
Jan. 31.2-Mar. 2.4	W.									
Mar. 4.3-Apr. 7.7	W.	-0.188	-0.898	-0.174	-0.884	20	-0.038	-0.008	+0.000	+0.014
Apr. 9.6-May 4.7	W.	-0.232	-0.993	-0.198	-0.958	14	-0.036	-0.006	+0.021	+0.034
May 21.4-July 30.4	W.	-0.232	-0.974	-0.214	-0.956	20	[+0.072] ³	-0.002	+0.014	+0.018
Aug. 3.6-Sept. 19.7	W.	-0.200	-0.949	-0.202	-0.954	18	-0.024	-0.003	+0.004	-0.004
Sept. 19.9-Sept. 25.6	W.									
Sept. 29.2-Oct. 25.5	W.	-0.216	-0.915	-0.187	-0.906	18	-0.016	-0.002	0.000	+0.028
1907										
Apr. 17.3-June 15.5	E.	-0.490	-0.920	-0.467	-0.890	28	-0.019	-0.004	+0.024	+0.026
June 16.6-Aug. 2.9	E.	-0.487	-0.964	-0.463	-0.940	22	-0.010	-0.003	+0.017	+0.024
Aug. 4.5-Oct. 5.4	E.	-0.497	-0.930	-0.496	-0.928	34	-0.022	+0.002	-0.007	+0.002
Oct. 6.6-Dec. 8.8	E.	-0.496	-0.919	-0.500	-0.917	32	-0.023	0.000	-0.011	-0.001
1908										
Dec. 10.2-Feb. 12.4	E.	-0.530	-0.924	-0.524	-0.918	34	-0.008	-0.002	+0.005	+0.006
Feb. 16.5-Apr. 22.5	E.	-0.495	-0.912	-0.490	-0.907	34	-0.014	-0.002	+0.005	+0.005
Apr. 30.5-June 10.1	W.	-0.479	-0.909	-0.472	-0.898	18	-0.022	+0.001	+0.017	+0.009
June 11.4-July 6.9	W.			-0.452	-0.885	16	-0.014	-0.001	+0.013	+0.026
July 7.3-Aug. 15.7	W.	-0.478	-0.925	-0.458	-0.904	20	-0.019	+0.001	+0.012	+0.020
Aug. 17.9-Sept. 15.8	W.			-0.487	-0.935	16	-0.034	+0.001	-0.012	-0.010
Sept. 15.9-Oct. 12.9	W.	-0.486	-0.935	-0.474	-0.919	18	-0.005	0.000	.....	+0.014
Oct. 13.1-Oct. 30.0	W.			-0.496	-0.940	20	+0.007	0.000	.....	-0.008

¹ The north mark lens was shifted 0.2 inch = +0.602 in A_n on Feb. 10.9. In forming the mean -0.797, the results from Feb. 10.9 to Mar. 19.5 were changed -0.602. In applying A_n'' for that same period, +0.602 was added to the -0.797.

² The south mark lens was shifted 0.1 inch = -0.293 in A_s on Aug. 17.3. In forming the mean -0.915 the results from Aug. 13.6 to Aug. 17.3 were changed by -0.293. In applying A_s'' for that same period +0.293 was added to the -0.915.

³ This large difference arose from an apparent change in the personal equation of one of the observers, due probably to a change in the method of observing, though the data were not sufficient to determine the new equation. The right ascensions resulting from these observations have not been included in the final results.

TABLE XVIII.—*The Adopted Azimuths of the North and South Meridian Marks—Continued.*

Interval.	Cl.	A_n'	A_s'	A_n''	A_s''	No.	$A_n''-A_s''$	$\Delta A''$	Δa_1	Δa
1908		S	S	S	S		S	S	S	S
Oct. 30.2–Nov. 7.3	W.	-0.503	-0.927	-0.496	-0.916	20	+0.005	+0.002	.....	+0.009
Nov. 8.5–Dec. 3.0	W.			-0.512	-0.946	22	-0.009	+0.001	.....	-0.014
Dec. 3.3–Dec. 31.3	W.			-0.532	-0.950	28	-0.021	0.000	.....	+0.010
1909		-0.538	-0.963							
Jan. 1.2–Jan. 18.8	W.	-0.527	-0.956	-0.536	-0.968	18	-0.014	0.000	.....	-0.002
Jan. 18.9–Feb. 20.8	W.			-0.530	-0.960	34	-0.005	0.000	.....	-0.004
Feb. 24.5–Mar. 24.1	W.			-0.528	-0.954	30	-0.013	0.000	.....	0.000
Mar. 25.0–Apr. 30.3	W.	-0.532	-0.970	-0.518	-0.956	50	-0.030	0.000	+0.016	+0.014
May 9.6–June 14.6	E.	-0.456	-0.921	-0.464	-0.934	26	+0.002	+0.001	.....	-0.010
June 15.5–July 8.4	E.			-0.439	-0.897	24	+0.019	0.000	.....	+0.020
July 8.7–July 15.1	E.			-0.449	-0.914	22	-0.020	0.000	.....	+0.007
July 15.1–July 26.2	E.	-0.437	-0.916	-0.444	-0.918	16	-0.013	0.000	.....	-0.005
July 27.0–Aug. 22.7	E.			-0.427	-0.894	20	-0.026	+0.002	.....	-0.004
Aug. 23.0–Sept. 1.0	E.			-0.420	-0.880	24	-0.022	0.000	.....	+0.016
Sept. 1.0–Sept. 10.8	E.	-0.416	-0.879	-0.422	-0.885	26	-0.004	0.000	.....	-0.013
Sept. 11.0–Sept. 28.6	E.	-0.439	-0.901	-0.422	-0.885	26	-0.004	0.000	.....	-0.002
Sept. 29.0–Oct. 6.3	E.			-0.452	-0.924	28	+0.002	0.000	.....	+0.016
Oct. 6.7–Oct. 15.3	E.			-0.446	-0.906	18	-0.001	0.000	.....	-0.018
Oct. 18.0–Oct. 26.5	E.	-0.448	-0.913	-0.453	-0.930	30	+0.004	-0.001	.....	+0.004
Oct. 26.6–Nov. 5.3	E.	-0.458	-0.928	-0.462	-0.926	28	+0.008	+0.001	.....	-0.011
Nov. 10.0–Nov. 15.9	E.			-0.474	-0.916	24	-0.006	0.000	.....	+0.002
Nov. 19.2–Dec. 2.2	E.			-0.498	-0.918	18	-0.006	0.000	.....	-0.001
Dec. 2.7–Dec. 18.3	E.	-0.482	-0.913							+0.002
Dec. 20.3–Dec. 26.8	E.									-0.010
1910										
Dec. 27.6–Jan. 19.5	E.	-0.506	-0.949	-0.496	-0.941	24	-0.013	0.000	.....	-0.009
Jan. 19.7–Feb. 2.4	E.			-0.506	-0.954	24	+0.006	+0.001	.....	+0.009
Feb. 3.8–Feb. 26.6	E.			-0.506	-0.952	22	-0.016	+0.001	.....	-0.002
Mar. 3.2–Mar. 18.3	E.	-0.500	-0.949	-0.488	-0.952	22	-0.019	0.000	.....	-0.006
Mar. 18.7–Mar. 22.5	E.	-0.485	-0.949	-0.476	-0.932	16	-0.008	0.000	.....	-0.004
Mar. 22.9–Apr. 16.2	E.			-0.449	-0.920	22	+0.010	0.000	.....	+0.004
Apr. 18.0–May 7.0	E.			-0.422	-0.847	14	+0.030	0.000	.....	-0.003
May 9.4–May 15.4	E.	-0.455	-0.916	-0.424	-0.848	16	-0.036	0.000	.....	+0.013
May 15.6–June 18.3	E.	-0.425	-0.849	-0.406	-0.848	18	-0.041	0.000	.....	-0.018
June 19.4–July 22.5	E.			-0.416	-0.876	22	-0.020	0.000	.....	+0.001
July 22.7–Aug. 18.4	E.			-0.432	-0.895	18	-0.012	0.000	.....	+0.002
Aug. 19.0–Sept. 17.5	E.	-0.413	-0.866	-0.460	-0.906	16	-0.004	0.000	.....	0.000
Sept. 20.0–Oct. 13.3	E.	-0.435	-0.891	-0.474	-0.926	18	+0.032	0.000	.....	-0.012
Oct. 13.7–Oct. 31.9	E.			-0.472	-0.920	24	+0.002	0.000	.....	-0.006
Nov. 1.6–Nov. 23.0	E.									0.000
Nov. 24.7–Dec. 15.6	E.	-0.468	-0.915							-0.020
1911										+0.008
Dec. 16.0–Jan. 24.8	E.	-0.473	-0.921	-0.470	-0.916	16	+0.010	0.000	.....	-0.002
Jan. 24.9–Feb. 23.8	E.			-0.477	-0.921	20	-0.006	0.000	.....	-0.002
Feb. 23.9–Mar. 10.8	E.			-0.474	-0.926	18	+0.032	0.000	.....	-0.003
Mar. 10.9–Mar. 20.3	E.	-0.477	-0.921							-0.001
Mar. 20.7–Apr. 10.8	E.									+0.003

TABLE XIX.—*The Corrections Applied to Newcomb's Right Ascensions of the Clock Stars.*

Star.	Approx. R. A.	Approx. Decl.	Mag.	Correc- tion I.	Correc- tion II.	Correc- tion III.	No. Obs.	Correc- tion IV.	No. Obs.
	h	°		s	s	s		s	
33 Piscium.....	0.0	- 6.2	4.6	+0.020	+0.026	+0.030	19	+0.020	47
α Andromedæ.....	0.1	+28.6	2.1	+0.030	+0.002	+0.002	24	+0.006	50
γ Pegasi.....	0.1	+14.6	2.9	+0.030	+0.021	+0.022	21	+0.021	44
ι Ceti.....	0.2	- 9.4	3.8	+0.030	+0.042	+0.044	17	+0.042	44
44 Piscium.....	0.3	+ 1.4	6.0	+0.020	+0.030	+0.033	25	+0.032	62
12 Ceti.....	0.4	- 4.5	6.2	0.000	+0.006	+0.006	36	+0.002	91
ε Andromedæ.....	0.6	+28.8	4.6	+0.020	-0.005	-0.004	24	-0.006	47
β Ceti.....	0.6	-18.5	2.2	+0.030	+0.054	+0.055	36	+0.062	74
ζ Andromedæ.....	0.7	+23.7	4.3	+0.020	+0.009	+0.008	21	+0.004	40
δ Piscium.....	0.7	+ 7.1	4.6	+0.020	+0.030	+0.033	23	+0.030	47
20 Ceti.....	0.8	- 1.7	4.9	+0.020	+0.052	+0.055	31	+0.063	71
ε Piscium.....	1.0	+ 7.4	4.5	+0.020	+0.013	+0.013	28	+0.009	52
ξ ¹ Piscium.....	1.1	+ 7.1	5.4	+0.020	0.000	0.000	33	0.000	73
ν Piscium.....	1.2	+26.8	4.7	+0.020	+0.019	+0.021	42	+0.025	73
θ Ceti.....	1.3	- 8.6	3.8	+0.030	+0.061	+0.064	16	+0.068	49
η Piscium.....	1.4	+14.9	3.7	+0.030	+0.046	+0.048	25	+0.049	44
π Piscium.....	1.5	+11.7	5.6	+0.020	+0.035	+0.037	27	+0.044	50
ρ Piscium.....	1.6	+ 5.0	4.7	+0.020	+0.011	+0.014	28	+0.012	50
τ Ceti.....	1.7	-16.4	3.7	+0.030	+0.071	+0.074	24	+0.077	48
ο Piscium.....	1.7	+ 8.7	4.5	+0.020	+0.023	+0.025	30	+0.025	53
ξ Ceti.....	1.8	-10.8	3.9	+0.030	+0.045	+0.045	21	+0.041	47
α Trianguli.....	1.8	+29.1	3.6	+0.030	+0.014	+0.018	10	+0.013	35
ξ Piscium.....	1.8	+ 2.7	4.8	+0.020	+0.013	+0.013	27	+0.017	44
β Arietis.....	1.8	+20.4	2.7	+0.030	+0.066	+0.069	17	+0.072	40
α Arietis.....	2.0	+23.0	2.2	+0.030	+0.027	+0.029	36	+0.032	61
ξ ¹ Ceti.....	2.1	+ 8.4	4.5	+0.020	+0.014	+0.016	34	+0.017	56
67 Ceti.....	2.2	- 6.9	5.7	+0.020	+0.040	+0.042	28	+0.046	54
ξ ² Ceti.....	2.4	+ 8.0	4.3	+0.020	+0.016	+0.019	40	+0.026	72
ν Ceti.....	2.5	+ 5.2	5.0	+0.020	+0.034	+0.036	28	+0.036	45
ν Arietis.....	2.6	+21.6	5.4	+0.020	+0.011	+0.012	19	+0.002	44
δ Ceti.....	2.6	- 0.1	4.0	+0.030	+0.021	+0.022	24	+0.020	43
γ Ceti.....	2.6	+ 2.8	3.6	+0.030	+0.071	+0.072	14	+0.060	43
μ Ceti.....	2.7	+ 9.7	4.4	+0.020	+0.053	+0.053	18	+0.047	45
41 Arietis.....	2.7	+26.9	3.7	+0.030	+0.026	+0.030	18	+0.032	41
σ Arietis.....	2.8	+14.7	5.5	+0.020	+0.021	+0.023	23	+0.025	44
η Eridani.....	2.9	- 9.3	4.1	+0.020	+0.015	+0.016	24	+0.008	57
ε Arietis.....	2.9	+21.0	4.6	+0.020	+0.014	+0.015	18	+0.018	44
α Ceti.....	3.0	+ 3.7	2.8	+0.030	+0.040	+0.040	22	+0.047	47
δ Arietis.....	3.1	+19.4	4.6	+0.020	+0.017	+0.017	19	+0.015	44
ζ Arietis.....	3.2	+20.7	5.0	+0.020	+0.015	+0.014	16	+0.021	44
τ ¹ Arietis.....	3.3	+20.8	5.2	+0.020	-0.004	-0.002	26	+0.001	56
ο Tauri.....	3.3	+ 8.7	3.8	+0.030	+0.035	+0.037	16	+0.037	44
ξ Tauri.....	3.4	+ 9.4	3.8	+0.030	+0.016	+0.018	14	+0.021	43
f Tauri.....	3.4	+12.6	4.3	+0.020	+0.001	0.000	22	+0.008	50
ε Eridani.....	3.5	- 9.8	3.8	+0.030	+0.060	+0.062	31	+0.056	62
δ Eridani.....	3.6	-10.1	3.7	+0.030	+0.034	+0.032	9	+0.034	38
η Tauri.....	3.7	+23.8	3.0	+0.030	+0.006	+0.007	18	+0.008	43
γ Eridani.....	3.9	-13.8	3.3	+0.030	+0.030	+0.032	22	+0.032	56

TABLE XIX.—*The Corrections Applied to Newcomb's Right Ascensions of the Clock Stars—Contd.*

Star.	Approx. R. A.	Approx. Decl.	Mag.	Correc- tion I.	Correc- tion II.	Correc- tion III.	No. Obs.	Correc- tion IV.	No. Obs.
	h	°		s	s	s		s	
λ Tauri.....	3.9	+12.2	3.5	+0.030	+0.016	+0.015	19	+0.011	49
ν Tauri.....	4.0	+ 5.7	4.0	+0.030	+0.015	+0.015	21	+0.011	40
Δ Tauri.....	4.0	+21.8	4.5	+0.020	-0.002	-0.006	17	-0.007	50
ο ¹ Eridani.....	4.1	- 7.1	4.1	+0.020	+0.028	+0.027	9	+0.014	41
ο ² Eridani.....	4.2	- 7.8	4.5	+0.020	+0.013	+0.010	13	+0.020	40
γ Tauri.....	4.2	+15.4	3.9	+0.030	+0.025	+0.023	17	+0.014	43
δ Tauri.....	4.3	+17.3	3.9	+0.030	+0.022	+0.021	20	+0.025	41
ε Tauri.....	4.4	+19.0	3.7	+0.030	+0.013	+0.014	24	+0.012	48
α Tauri.....	4.5	+16.3	1.1	+0.050	+0.055	+0.055	22	+0.055	42
ν Eridani.....	4.5	- 3.5	4.1	+0.020	+0.033	+0.032	10	+0.031	41
53 Eridani.....	4.6	-14.5	4.0	+0.030	+0.107	+0.111	24	+0.114	48
τ Tauri.....	4.6	+22.8	4.3	+0.020	0.000	-0.003	20	-0.003	42
μ Eridani.....	4.7	- 3.4	4.1	+0.020	+0.004	+0.005	33	+0.008	48
π ³ Orionis.....	4.7	+ 6.8	3.3	+0.030	+0.033	+0.036	24	+0.043	40
π ⁵ Orionis.....	4.8	+ 2.3	3.9	+0.030	+0.010	+0.011	16	+0.013	39
ι Tauri.....	5.0	+21.5	4.7	+0.020	-0.023	-0.028	18	-0.023	51
11 Orionis.....	5.0	+15.3	4.7	+0.020	+0.011	+0.007	22	+0.008	41
β Eridani.....	5.1	- 5.2	2.9	+0.030	+0.011	+0.012	26	+0.010	43
β Orionis.....	5.2	- 8.3	0.3	+0.050	+0.063	+0.065	24	+0.066	48
τ Orionis.....	5.2	- 7.0	3.6	+0.030	+0.026	+0.026	28	+0.023	45
γ Orionis.....	5.3	+ 6.3	1.7	+0.030	+0.029	+0.028	64	+0.023	172
β Tauri.....	5.3	+28.5	1.8	+0.030	+0.036	+0.036	18	+0.028	46
δ Orionis.....	5.5	- 0.4	2.5	+0.030	+0.038	+0.037	70	+0.032	198
α Leporis.....	5.5	-17.9	2.7	+0.030	+0.032	+0.031	25	+0.029	49
ι Orionis.....	5.5	- 6.0	3.0	+0.030	+0.035	+0.037	15	+0.029	45
ε Orionis.....	5.5	- 1.3	1.7	+0.030	+0.041	+0.039	17	+0.037	38
ζ Tauri.....	5.5	+21.1	3.0	+0.030	+0.038	+0.036	24	+0.028	47
ζ Orionis.....	5.6	- 2.0	1.9	+0.030	+0.013	+0.012	68	+0.010	189
κ Orionis.....	5.7	- 9.7	2.2	+0.030	+0.038	+0.038	78	+0.038	200
α Orionis.....	5.8	+ 7.4	0.9	+0.050	+0.039	+0.038	79	+0.038	212
1 Geminorum.....	6.0	+23.3	4.3	+0.020	-0.005	-0.008	38	-0.009	64
ν Orionis.....	6.0	+14.8	4.5	+0.020	-0.014	-0.019	28	-0.028	48
η Geminorum.....	6.2	+22.5	3.5	+0.030	-0.025	-0.029	23	-0.021	57
μ Geminorum.....	6.3	+22.6	3.2	+0.030	+0.009	+0.009	29	+0.009	48
β Canis Majoris.....	6.3	-17.9	2.0	+0.030	+0.053	+0.051	20	+0.051	41
8 Monocerotis.....	6.3	+ 4.6	4.4	+0.020	-0.033	-0.036	53	-0.026	143
10 Monocerotis.....	6.4	- 4.7	5.0	+0.020	-0.036	-0.041	24	-0.044	40
ν Geminorum.....	6.4	+20.3	4.1	+0.020	+0.023	+0.024	25	+0.022	50
γ Geminorum.....	6.5	+16.5	1.9	+0.030	+0.013	+0.010	38	+0.014	49
8 Monocerotis.....	6.6	+10.0	4.6	+0.020	+0.012	+0.008	34	+0.003	46
ε Geminorum.....	6.6	+25.2	3.2	+0.030	+0.025	+0.021	34	+0.015	54
ξ Geminorum.....	6.7	+13.0	3.4	+0.030	+0.024	+0.022	34	+0.018	53
θ Canis Majoris.....	6.8	-11.9	4.2	+0.020	+0.010	+0.007	26	+0.004	40
ζ Geminorum.....	7.0	+20.7	4.0	+0.030	+0.023	+0.018	27	+0.013	56
γ Canis Majoris.....	7.0	-15.5	4.1	+0.020	+0.015	+0.010	30	+0.012	47
λ Geminorum.....	7.2	+16.7	3.6	+0.030	+0.010	+0.007	34	+0.005	65
δ Geminorum.....	7.2	+22.2	3.6	+0.030	-0.014	-0.019	29	-0.019	69
ι Geminorum.....	7.3	+28.0	3.9	+0.030	+0.009	+0.003	33	+0.006	71

TABLE XIX.—*The Corrections Applied to Newcomb's Right Ascensions of the Clock Stars—Contd.*

Star.	Approx. R. A.	Approx. Decl.	Mag.	Correc- tion I.	Correc- tion II.	Correc- tion III.	No. Obs.	Correc- tion IV.	No. Obs.
	h	°		s	s	s		s	
β Canis Minoris.....	7.4	+ 8.5	3.1	+0.030	-0.003	-0.007	29	-0.002	48
κ Geminorum.....	7.6	+24.6	3.7	+0.030	0.000	-0.004	39	-0.014	70
β Geminorum.....	7.7	+28.3	1.2	+0.050	+0.022	+0.015	38	+0.021	61
φ Geminorum.....	7.8	+27.0	5.0	+0.020	-0.003	-0.007	44	-0.013	77
χ Geminorum.....	8.0	+28.1	5.1	+0.020	-0.015	-0.020	48	-0.027	75
β Cancrī.....	8.2	+ 9.5	3.7	+0.030	+0.040	+0.036	43	+0.043	64
30 Monocerotis.....	8.4	- 3.6	3.9	+0.030	+0.005	+0.001	54	-0.002	72
η Cancrī.....	8.5	+20.8	5.5	+0.020	+0.005	0.000	37	-0.003	59
γ Cancrī.....	8.6	+21.8	4.8	+0.020	+0.007	+0.005	41	-0.003	58
δ Cancrī.....	8.7	+18.5	4.2	+0.020	+0.004	-0.001	36	0.000	60
ϵ Cancrī.....	8.7	+29.1	4.1	+0.020	-0.023	-0.029	29	-0.032	51
ϵ Hydræ.....	8.7	+ 6.8	3.5	+0.030	+0.027	+0.027	30	+0.023	44
ζ Hydræ.....	8.8	+ 6.3	3.3	+0.030	0.000	-0.004	25	-0.004	39
α Cancrī.....	8.9	+12.2	4.3	+0.020	+0.011	+0.008	35	+0.006	51
κ Cancrī.....	9.0	+11.0	5.2	+0.020	-0.002	-0.005	33	0.000	52
θ Hydræ.....	9.2	+ 2.7	3.8	+0.030	+0.012	+0.010	42	+0.008	70
83 Cancrī.....	9.2	+18.1	6.6	0.000	-0.048	-0.052	39	-0.050	71
α Hydræ.....	9.4	- 8.3	2.2	+0.030	+0.032	+0.031	26	+0.037	37
ξ Leonis.....	9.4	+11.7	5.2	+0.020	+0.021	+0.020	31	+0.015	51
σ Leonis.....	9.6	+10.3	3.8	+0.030	+0.023	+0.019	31	+0.014	48
ϵ Leonis.....	9.7	+24.2	3.1	+0.030	+0.030	+0.029	27	+0.032	44
μ Leonis.....	9.8	+26.4	4.1	+0.020	+0.060	+0.063	33	+0.065	53
π Leonis.....	9.9	+ 8.5	4.8	+0.020	+0.034	+0.035	28	+0.033	49
η Leonis.....	10.0	+17.2	3.6	+0.030	+0.094	+0.097	31	+0.100	44
α Leonis.....	10.1	+12.4	1.3	+0.050	+0.044	+0.044	31	+0.043	44
λ Hydræ.....	10.1	-11.9	3.9	+0.030	+0.021	+0.025	37	+0.027	56
ζ Leonis.....	10.2	+23.9	3.8	+0.030	+0.017	+0.014	27	+0.016	47
γ Leonis.....	10.2	+20.3	2.3	+0.030	+0.029	+0.028	28	+0.038	45
μ Hydræ.....	10.4	-16.4	4.1	+0.020	+0.019	+0.022	26	+0.023	41
ρ Leonis.....	10.5	+ 9.8	3.8	+0.030	+0.016	+0.014	34	+0.016	53
34 Sextantis.....	10.6	+ 4.1	6.6	0.000	-0.017	-0.018	30	-0.017	47
41 Leonis Minoris.....	10.6	+23.7	5.0	+0.020	+0.015	+0.013	24	+0.014	41
ι Leonis.....	10.7	+11.0	5.3	+0.020	+0.001	0.000	40	-0.004	64
α Crateris.....	10.9	-17.8	4.1	+0.020	+0.060	+0.064	26	+0.067	41
d Leonis.....	10.9	+ 4.1	5.0	+0.020	+0.022	+0.021	27	+0.023	43
χ Leonis.....	11.0	+ 7.9	4.7	+0.020	+0.009	+0.009	29	+0.011	52
δ Leonis.....	11.2	+21.0	2.6	+0.030	-0.001	-0.004	21	+0.002	44
θ Leonis.....	11.2	+15.9	3.4	+0.030	+0.041	+0.043	26	+0.050	39
δ Crateris.....	11.2	-14.3	3.8	+0.030	+0.042	+0.043	29	+0.049	52
σ Leonis.....	11.3	+ 6.5	4.1	+0.020	+0.005	+0.006	26	+0.004	45
τ Leonis.....	11.4	+ 3.4	5.2	+0.020	+0.021	+0.022	22	+0.019	47
ν Leonis.....	11.5	- 0.3	4.5	+0.020	+0.016	+0.016	29	+0.022	58
β Leonis.....	11.7	+15.1	2.2	+0.030	+0.019	+0.017	19	+0.016	53
β Virginis.....	11.8	+ 2.3	3.8	+0.030	+0.022	+0.024	20	+0.033	56
π Virginis.....	11.9	+ 7.1	4.6	+0.020	+0.040	+0.040	32	+0.043	78
σ Virginis.....	12.0	+ 9.3	4.2	+0.020	+0.025	+0.026	26	+0.024	68
γ Corvi.....	12.2	-17.0	2.7	+0.030	+0.046	+0.047	17	+0.052	44
η Virginis.....	12.3	- 0.2	4.0	+0.030	+0.008	+0.009	25	+0.007	58

TABLE XIX.—*The Corrections Applied to Newcomb's Right Ascensions of the Clock Stars—Contd.*

Star.	Approx. R. A.	Approx. Decl.	Mag.	Correc- tion I.	Correc- tion II.	Correc- tion III.	No. Obs.	Correc- tion IV.	No. Obs.
	h	°		s	s	s		s	
δ Corvi.....	12.4	-16.0	3.1	+0.030	+0.018	+0.019	23	+0.016	60
ρ Virginis.....	12.6	+10.7	5.1	+0.020	+0.004	+0.004	30	+0.001	80
35 Virginis.....	12.7	+ 4.1	6.8	0.000	-0.006	-0.004	29	-0.008	75
31 Comæ Berenices.....	12.8	+28.0	5.1	+0.020	+0.053	+0.052	27	+0.051	64
δ Virginis.....	12.8	+ 3.9	3.7	+0.030	+0.031	+0.032	23	+0.035	59
ε Virginis.....	13.0	+11.5	3.0	+0.030	+0.018	+0.017	23	+0.023	53
θ Virginis.....	13.1	- 5.0	4.4	+0.020	+0.044	+0.044	30	+0.036	63
43 Comæ Berenices.....	13.1	+28.4	4.3	+0.020	-0.007	-0.009	19	-0.017	44
α Virginis.....	13.3	-10.7	1.2	+0.050	+0.044	+0.044	22	+0.042	52
ζ Virginis.....	13.5	- 0.1	3.4	+0.030	+0.047	+0.049	20	+0.048	38
m Virginis.....	13.6	- 8.2	5.3	+0.020	+0.039	+0.041	29	+0.038	57
89 Virginis.....	13.7	-17.7	5.2	+0.020	+0.033	+0.038	25	+0.041	60
η Boötis.....	13.8	+18.9	2.8	+0.030	+0.007	+0.005	23	+0.011	52
τ Virginis.....	13.9	+ 2.0	4.3	+0.020	+0.018	+0.017	22	+0.015	51
d Boötis.....	14.1	+25.5	4.8	+0.020	-0.022	-0.029	16	-0.020	53
κ Virginis.....	14.1	- 9.8	4.3	+0.020	+0.011	+0.010	21	+0.011	48
ι Virginis.....	14.2	- 5.6	4.2	+0.020	+0.031	+0.031	25	+0.030	47
α Boötis.....	14.2	+19.7	0.3	+0.050	+0.047	+0.042	14	+0.045	42
λ Virginis.....	14.2	-12.9	4.5	+0.020	+0.060	+0.061	20	+0.059	53
f Boötis.....	14.4	+19.6	5.4	+0.020	+0.025	+0.022	10	+0.013	43
μ Virginis.....	14.6	- 5.3	3.9	+0.030	+0.016	+0.015	14	+0.020	43
u Boötis.....	14.7	+27.5	2.6	+0.030	+0.023	+0.019	13	+0.017	39
109 Virginis.....	14.7	+ 2.3	3.7	+0.030	+0.021	+0.019	23	+0.019	41
8 Libræ.....	14.8	-15.6	5.3	+0.020	+0.044	+0.042	19	+0.042	39
α Libræ.....	14.8	-15.7	2.9	+0.030	+0.068	+0.070	13	+0.061	48
ξ ² Libræ.....	14.9	-11.0	5.7	+0.020	+0.055	+0.057	14	+0.056	43
ψ Boötis.....	15.0	+27.3	4.6	+0.020	+0.004	0.000	13	-0.003	50
ι Libræ.....	15.1	-19.4	4.7	+0.020	+0.018	+0.021	23	+0.026	48
β Libræ.....	15.2	- 9.0	2.8	+0.030	+0.040	+0.040	26	+0.038	48
32 Libræ.....	15.4	-16.4	6.0	+0.020	+0.038	+0.040	20	+0.040	54
β Coronæ Borealis.....	15.4	+29.4	3.7	+0.030	-0.012	-0.019	25	-0.015	53
γ Libræ.....	15.5	-14.5	4.1	+0.020	0.000	+0.001	31	-0.001	66
α Coronæ Borealis.....	15.5	+27.0	2.3	+0.030	+0.006	+0.004	15	+0.009	40
α Serpentis.....	15.7	+ 6.7	2.8	+0.030	+0.037	+0.034	18	+0.039	41
β Serpentis.....	15.7	+15.7	3.7	+0.030	-0.015	-0.020	24	-0.024	72
μ Serpentis.....	15.7	- 3.1	3.6	+0.030	+0.054	+0.056	16	+0.050	46
ε Serpentis.....	15.8	+ 4.8	3.8	+0.030	+0.078	+0.077	13	+0.057	44
γ Serpentis.....	15.9	+16.0	4.0	+0.030	+0.028	+0.026	26	+0.020	65
ε Coronæ Borealis.....	15.9	+27.1	4.2	+0.020	+0.048	+0.044	25	+0.039	55
β ¹ Scorpii.....	16.0	-19.5	2.7	+0.030	+0.067	+0.072	32	+0.083	71
ν Scorpii.....	16.1	-19.2	4.2	+0.020	+0.071	+0.078	23	+0.080	51
δ Ophiuchi.....	16.2	- 3.4	3.0	+0.030	+0.040	+0.039	26	+0.042	50
ε Ophiuchi.....	16.2	- 4.5	3.3	+0.030	+0.037	+0.040	28	+0.045	60
γ Herculis.....	16.3	+19.4	3.8	+0.030	+0.020	+0.017	20	+0.014	57
λ Ophiuchi.....	16.4	+ 2.2	3.8	+0.030	+0.051	+0.053	15	+0.045	39
β Herculis.....	16.4	+21.7	2.8	+0.030	+0.058	+0.056	15	+0.059	49
ζ Ophiuchi.....	16.5	-10.4	2.7	+0.030	+0.037	+0.041	42	+0.045	99
κ Ophiuchi.....	16.9	+ 9.5	3.4	+0.030	+0.045	+0.045	34	+0.047	78

TABLE XIX.—*The Corrections Applied to Newcomb's Right Ascensions of the Clock Stars—Contd.*

Star.	Approx. R. A.	Approx. Decl.	Mag.	Correc- tion I.	Correc- tion II.	Correc- tion III.	No. Obs.	Correc- tion IV.	No. Obs.
	h	°		s	s	s		s	
η Ophiuchi.....	17.1	-15.6	2.6	+0.030	+0.074	+0.078	44	+0.078	107
α Herculis.....	17.2	+14.5	3.3	+0.030	+0.020	+0.021	20	+0.024	57
δ Herculis.....	17.2	+24.9	3.2	+0.030	+0.036	+0.031	19	+0.032	64
σ Ophiuchi.....	17.4	+ 4.2	4.4	+0.020	0.000	+0.001	48	+0.002	173
α Ophiuchi.....	17.5	+12.6	2.1	+0.030	+0.034	+0.034	18	+0.027	98
ξ Serpentis.....	17.5	-15.3	3.7	+0.030	+0.078	+0.086	28	+0.087	73
β Ophiuchi.....	17.6	+ 4.6	2.9	+0.030	+0.020	+0.021	40	+0.019	168
μ Herculis.....	17.7	+27.8	3.5	+0.030	+0.019	+0.015	32	+0.019	86
89 Herculis.....	17.9	+26.1	5.5	+0.020	-0.037	-0.042	27	-0.044	65
π Ophiuchi.....	17.9	- 9.8	3.7	+0.030	+0.048	+0.051	30	+0.059	156
72 Ophiuchi.....	18.0	+ 9.6	3.7	+0.030	+0.047	+0.048	9	+0.042	55
\circ Herculis.....	18.1	+28.7	3.8	+0.030	+0.026	+0.025	10	+0.025	50
η Serpentis.....	18.3	- 2.9	3.4	+0.030	+0.072	+0.077	44	+0.073	181
109 Herculis.....	18.3	+21.7	3.9	+0.030	+0.013	+0.012	18	+0.017	69
3 H. Scuti.....	18.5	- 8.3	4.1	+0.020	+0.033	+0.037	57	+0.039	186
4 H. Scuti.....	18.6	- 9.1	4.7	+0.020	-0.027	-0.023	34	-0.020	87
110 Herculis.....	18.7	+20.5	4.3	+0.020	+0.051	+0.055	15	+0.059	76
θ Serpentis.....	18.9	+ 4.1	4.3	+0.020	+0.041	+0.045	26	+0.041	146
ϵ Aquilæ.....	18.9	+14.9	4.2	+0.020	+0.031	+0.036	15	+0.025	55
ζ Aquilæ.....	19.0	+13.7	3.0	+0.030	+0.039	+0.042	17	+0.043	52
λ Aquilæ.....	19.0	- 5.0	3.5	+0.030	+0.035	+0.041	15	+0.051	43
d Sagittarii.....	19.2	-19.1	5.0	+0.020	+0.037	+0.047	16	+0.058	87
ω Aquilæ.....	19.2	+11.4	5.1	+0.020	+0.012	+0.013	15	+0.010	47
δ Aquilæ.....	19.3	+ 2.9	3.4	+0.030	+0.046	+0.051	18	+0.047	51
β Cygni.....	19.4	+27.8	3.1	+0.030	+0.036	+0.037	12	+0.033	47
μ Aquilæ.....	19.5	+ 7.2	4.6	+0.020	-0.004	-0.002	17	-0.004	47
κ Aquilæ.....	19.5	- 7.2	4.9	+0.020	+0.012	+0.015	23	+0.014	63
β Sagittæ.....	19.6	+17.3	4.4	+0.020	+0.054	+0.056	32	+0.050	59
γ Aquilæ.....	19.7	+10.4	2.8	+0.030	+0.048	+0.053	19	+0.049	42
δ Sagittæ.....	19.7	+18.3	3.7	+0.030	+0.029	+0.031	17	+0.030	42
α Aquilæ.....	19.8	+ 8.6	0.9	+0.050	+0.059	+0.063	31	+0.064	54
β Aquilæ.....	19.8	+ 6.2	3.9	+0.030	+0.047	+0.053	23	+0.058	50
γ Sagittæ.....	19.9	+19.2	3.7	+0.030	+0.040	+0.047	20	+0.048	55
τ Aquilæ.....	20.0	+ 7.0	5.6	+0.020	-0.010	-0.008	21	-0.014	42
θ Aquilæ.....	20.1	- 1.1	3.4	+0.030	+0.060	+0.063	31	+0.063	60
α^2 Capricorni.....	20.2	-12.8	3.8	+0.030	+0.053	+0.058	24	+0.060	55
β Capricorni.....	20.3	-15.1	3.2	+0.030	+0.039	+0.045	33	+0.042	85
π Capricorni.....	20.4	-18.5	5.2	+0.020	+0.043	+0.047	26	+0.052	74
ρ Capricorni.....	20.4	-18.1	4.9	+0.020	+0.033	+0.034	33	+0.032	75
ϵ Delphini.....	20.5	+11.0	4.0	+0.030	+0.031	+0.032	31	+0.025	68
α Delphini.....	20.6	+15.6	3.9	+0.030	+0.027	+0.028	18	+0.031	51
ϵ Aquarii.....	20.7	- 9.8	3.9	+0.030	+0.042	+0.046	24	+0.052	58
μ Aquarii.....	20.8	- 9.3	4.8	+0.020	+0.029	+0.028	15	+0.041	49
32 Vulpeculæ.....	20.8	+27.7	5.2	+0.020	+0.014	+0.012	12	-0.002	44
θ Capricorni.....	21.0	-17.6	4.2	+0.020	+0.053	+0.056	31	+0.056	76
ν Aquarii.....	21.1	-11.7	4.5	+0.020	+0.073	+0.074	33	+0.069	65
ζ Cygni.....	21.1	+29.8	3.5	+0.030	+0.024	+0.029	29	+0.030	64

TABLE XIX.—*The Corrections Applied to Newcomb's Right Ascensions of the Clock Stars—Contd.*

Star.	Approx. R. A.	Approx. Decl.	Mag.	Correc- tion I.	Correc- tion II.	Correc- tion III.	No. Obs.	Correc- tion IV.	No. Obs.
	h	°		s	s	s		s	
α Equulei.....	21.2	+ 4.9	4.1	+0.020	+0.039	+0.049	18	+0.043	44
ϵ Capricorni.....	21.3	-17.2	4.3	+0.020	+0.037	+0.038	21	+0.042	56
1 Pegasi.....	21.3	+19.4	4.2	+0.020	+0.009	+0.008	18	+0.003	44
β Aquarii.....	21.4	- 6.0	3.3	+0.030	+0.048	+0.048	14	+0.045	54
ξ Aquarii.....	21.5	- 8.3	4.8	+0.020	+0.032	+0.032	27	+0.031	59
γ Capricorni.....	21.6	-17.1	3.8	+0.030	+0.053	+0.054	31	+0.052	65
ϵ Pegasi.....	21.7	+ 9.4	2.5	+0.030	+0.049	+0.050	22	+0.047	44
δ Capricorni.....	21.7	-16.6	3.0	+0.030	+0.063	+0.066	29	+0.068	65
μ Capricorni.....	21.8	-14.0	5.2	+0.020	+0.072	+0.078	23	+0.073	54
16 Pegasi.....	21.8	+25.5	5.1	+0.020	-0.008	-0.008	23	+0.001	44
α Aquarii.....	22.0	- 0.8	3.2	+0.030	+0.040	+0.041	24	+0.042	64
ϵ Aquarii.....	22.0	-14.3	4.3	+0.020	+0.064	+0.066	32	+0.072	57
ϵ Pegasi.....	22.0	+24.9	3.9	+0.030	-0.005	-0.008	23	-0.007	42
θ Pegasi.....	22.1	+ 5.7	3.7	+0.030	+0.032	+0.031	18	+0.022	46
θ Aquarii.....	22.2	- 8.2	4.3	+0.020	+0.040	+0.044	29	+0.051	64
γ Aquarii.....	22.3	- 1.9	3.9	+0.030	+0.041	+0.042	21	+0.045	42
π Aquarii.....	22.3	+ 0.9	4.6	+0.020	+0.036	+0.037	32	+0.040	64
σ Aquarii.....	22.4	-11.2	4.8	+0.020	+0.033	+0.037	24	+0.029	59
η Aquarii.....	22.5	- 0.6	4.1	+0.020	+0.028	+0.031	34	+0.039	72
ζ Pegasi.....	22.6	+10.3	3.6	+0.030	+0.032	+0.034	21	+0.024	49
η Pegasi.....	22.6	+29.7	3.1	+0.030	+0.010	+0.010	21	+0.015	44
λ Pegasi.....	22.7	+23.1	4.2	+0.020	+0.015	+0.019	23	+0.026	53
μ Pegasi.....	22.8	+24.1	3.7	+0.030	+0.003	+0.004	20	+0.008	41
λ Aquarii.....	22.8	- 8.1	3.9	+0.030	+0.046	+0.045	26	+0.048	49
δ Aquarii.....	22.8	-16.3	3.5	+0.030	+0.087	+0.090	16	+0.086	49
β Pegasi.....	23.0	+27.6	2.7	+0.030	+0.004	+0.007	25	+0.012	45
α Pegasi.....	23.0	+14.7	2.6	+0.030	+0.033	+0.033	24	+0.035	46
φ Aquarii.....	23.2	- 6.6	4.4	+0.020	+0.050	+0.052	31	+0.054	68
γ Piscium.....	23.2	+ 2.8	3.8	+0.030	+0.058	+0.061	27	+0.059	52
τ Pegasi.....	23.3	+23.2	4.6	+0.020	+0.034	+0.036	27	+0.036	45
ν Pegasi.....	23.3	+22.9	4.6	+0.020	+0.001	+0.004	19	+0.010	42
κ Piscium.....	23.4	+ 0.7	5.0	+0.020	+0.021	+0.020	24	+0.020	48
θ Piscium.....	23.4	+ 5.9	4.4	+0.020	+0.039	+0.040	25	+0.043	41
ϵ Piscium.....	23.6	+ 5.1	4.3	+0.020	+0.032	+0.037	30	+0.036	47
i' Aquarii.....	23.7	-18.8	5.3	+0.020	+0.019	+0.020	30	+0.022	62
φ Pegasi.....	23.8	+18.6	5.2	+0.020	+0.030	+0.033	36	+0.031	67
ω Piscium.....	23.9	+ 6.3	4.0	+0.030	+0.037	+0.036	29	+0.036	65
2 Ceti.....	24.0	-17.9	4.6	+0.020	+0.053	+0.053	28	+0.053	56

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock.*

The standard sidereal clock for various dates has been as follows:

RIEFLE No. 70, September 3.4, 1903, to May 16.6, 1904.
 RIEFLE No. 60, May 19.5, 1904, to July 16.6, 1904.
 RIEFLE No. 82, July 17.3, 1904, to October 10.6, 1904.
 RIEFLE No. 70, October 11.2, 1904, to January 18.4, 1906.
 RIEFLE No. 82, January 18.6, 1906, to April 14.0, 1906.
 RIEFLE No. 70, April 15.6, 1906, to May 30.3, 1907.
 RIEFLE No. 151, May 30.3, 1907, to December 12.3, 1907.
 RIEFLE No. 70, December 12.7, 1907, to December 18.5, 1907.

RIEFLE No. 151, December 19.3, 1907, to July 2.2, 1908.
 RIEFLE No. 70, July 5.5, 1908, to July 20.5, 1908.
 RIEFLE No. 151, July 27.3, 1908, to September 3.3, 1908.
 RIEFLE No. 70, September 3.6, 1908, to June 13.8, 1909.
 RIEFLE No. 151, June 14.0, 1909, to August 25.7, 1909.
 RIEFLE No. 70, August 26.3, 1909, to March 8.3, 1910.
 RIEFLE No. 151, March 13.6, 1910, to April 10.7, 1911.

Date.	Observer.	No. Stars.	Side- real Time.	Observed Clock Correc- tion.	Side- real Time.	Prelimi- nary Adopted Clock Correc- tion.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Side- real Time.	Observed Clock Correc- tion.	Side- real Time.	Prelimi- nary Adopted Clock Correc- tion.	Adopted Hourly Rate.
1903 Sept. 3	Ei.	11	^h 22. 26	^s -0. 913	^h 22. 26	^s -0. 913	^s -0. 0009	1903 Sept. 27	L.	4	^h 5. 58	^s -3. 170	^h 5. 58	^s -2. 965	^s -0. 0058
5	L.	3	18. 73	-1. 257	20. 97	-1. 042	-0. 0014	28	L.	10	19. 87	-3. 188	23. 61	-2. 992	-0. 0059
5	Ei.	8	21. 81	-1. 038				28	Ei.	12	1. 23	-3. 000			
6	R.	7	22. 37	-1. 087	0. 12	-1. 039	-0. 0018	28	R.	3	5. 60	-3. 043			
6	L.	3	4. 20	-1. 253				29	R.	4	20. 88	-3. 162	1. 42	-3. 120	-0. 0060
7	L.	5	19. 00	-1. 276	19. 00	-1. 071	-0. 0018	29	Ei.	12	1. 23	-3. 113			
10	L.	5	18. 66	-1. 400	21. 34	-1. 184	-0. 0019	29	L.	5	5. 50	-3. 348			
10	Ei.	10	22. 68	-1. 179				30	L.	12	20. 02	-3. 376	21. 48	-3. 179	-0. 0062
11	R.	3	18. 87	-1. 233	23. 76	-1. 219	-0. 0021	30	R.	2	6. 25	-3. 280			
11	Ei.	9	22. 97	-1. 217				Oct. 1	R.	6	19. 67	-3. 403	1. 25	-3. 330	-0. 0064
11	L.	5	4. 12	-1. 450				1	L.	7	6. 03	-3. 517			
12	L.	8	19. 05	-1. 534	22. 38	-1. 301	-0. 0022	Pressure in clock case increased 5mm.							
12	Ei.	11	23. 65	-1. 291				4	L.	8	22. 84	-3. 779	0. 93	-3. 555	-0. 0005
12	R.	2	4. 75	-1. 295				4	R.	3	6. 50	-3. 557			
13	L.	3	4. 60	-1. 580	4. 60	-1. 375	-0. 0025	6	Br.	9	20. 76	-3. 771	20. 76	-3. 638	-0. 0006
14	L.	7	19. 20	-1. 629	21. 85	-1. 430	-0. 0027	7	R.	9	20. 76	-3. 674	20. 76	-3. 622	-0. 0007
14	Ei.	12	23. 40	-1. 434				12	L.	12	20. 68	-3. 999	0. 30	-3. 799	-0. 0012
15	R.	5	19. 66	-1. 520	0. 69	-1. 492	-0. 0023	12	Ei.	9	2. 29	-3. 797			
15	Ei.	10	0. 52	-1. 475				12	Br.	4	6. 70	-3. 952			
15	L.	7	4. 53	-1. 739				13	Br.	10	20. 33	-3. 946	0. 42	-3. 781	-0. 0013
16	L.	6	19. 03	-1. 798	19. 03	-1. 593	-0. 0023	13	Ei.	10	1. 94	-3. 758			
18	Ei.	10	0. 52	-1. 736				13	R.	4	6. 85	-3. 810			
18	L.	9	5. 01	-2. 021	5. 01	-1. 816	-0. 0035	14	R.	10	21. 67	-3. 833	23. 78	-3. 778	-0. 0013
19	L.	2	18. 40	-2. 105	23. 70	-1. 926	-0. 0042	14	L.	3	6. 83	-3. 973			
19	Ei.	13	0. 52	-1. 930				15	L.	11	21. 29	-4. 021	22. 31	-3. 838	-0. 0014
21	R.	6	20. 23	-2. 193	1. 04	-2. 187	-0. 0046	15	Ei.	6	0. 18	-3. 880			
21	Ei.	13	0. 52	-2. 167				18	L.	3	7. 47	-4. 167	7. 47	-3. 962	-0. 0019
21	L.	9	5. 01	-2. 453				19	L.	11	21. 49	-4. 251			
22	L.	10	19. 65	-2. 507	23. 59	-2. 315	-0. 0048	19	Ei.	13	1. 91	-4. 052			
22	Ei.	11	0. 24	-2. 318				19	Br.	4	7. 05	-4. 248			
22	R.	6	4. 97	-2. 383				20	Br.	14	21. 38	-4. 290			
23	R.	10	21. 21	-2. 534	23. 51	-2. 497	-0. 0050	20	Ei.	10	2. 44	-4. 052	Rate uncertain but negli- ble. Each observer's work re- duced with his own mean clock correction.		
23	L.	4	5. 25	-2. 740				20	R.	3	7. 50	-4. 103			
24	L.	12	19. 86	-2. 744	23. 30	-2. 541	-0. 0052	21	R.	12	21. 65	-4. 192			
24	Ei.	14	0. 55	-2. 536				21	L.	6	7. 12	-4. 282			
24	R.	4	5. 28	-2. 618				22	L.	10	21. 69	-4. 237			
25	R.	5	20. 04	-2. 716	1. 17	-2. 671	-0. 0054	22	Ei.	10	2. 44	-4. 063			
25	Ei.	13	0. 64	-2. 650				25	L.	3	7. 97	-4. 367	7. 97	-4. 162	+0. 0017
25	L.	8	5. 25	-2. 915				26	L.	8	22. 08	-4. 375	23. 22	-4. 166	+0. 0016
26	L.	14	20. 02	-2. 940	20. 02	-2. 735	-0. 0055	26	Br.	1	8. 30	-4. 270			

Relative personal equation correction: Ei. = -0.000; L. = +0.205; R. = +0.052; Br. = +0.133.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Side-real Time.	Observed Clock Correction.	Side-real Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Side-real Time.	Observed Clock Correction.	Side-real Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1903 Oct. 27	Br.	10	h 22. 07	s -4. 331	h 1. 16	s -4. 132	s +0. 0014	1903 Nov. 29	Br.	4	h 23. 70	s + 2. 860	h 6. 80	s + 3. 098	s +0. 0115
27	Ei.	9	2. 33	-4. 089				29	L.	8	10. 35	+ 2. 946			
27	R.	3	7. 93	-4. 093				Nov. 29.8 clock dropped 8s.							
28	R.	10	22. 56	-4. 117	1. 36	-4. 041	+0. 0012	30	L.	8	0. 39	+11. 141	5. 14	+11. 379	+0. 0124
28	L.	4	8. 35	-4. 185				30	Br.	7	10. 56	+11. 284			
29	L.	9	22. 13	-4. 229	23. 78	-4. 012	+0. 0010	Dec. 1	Br.	10	0. 48	+11. 456	0. 48	+11. 589	+0. 0130
29	Ei.	8	1. 64	-3. 999				3	Br.	8	23. 94	+12. 080	5. 09	+12. 327	+0. 0158
Clock case opened Oct. 31.0 and sealed Nov. 2.3.								3	Ei.	12	5. 09	+12. 342			
Nov. 2	Br.	6	8. 57	-1. 770	8. 57	-1. 637	+0. 0200	3	R.	7	10. 99	+12. 381			
3	Br.	9	22. 54	-1. 507	2. 79	-1. 246	+0. 0201	5	Br.	11	0. 54	+12. 772	0. 54	+12. 905	+0. 0175
3	Ei.	10	3. 22	-1. 229				Dec. 5.9 pressure in clock case reduced 11mm.							
3	R.	6	8. 45	-1. 133				6	R.	7	10. 10	+13. 326	10. 10	+13. 378	+0. 0094
4	R.	8	22. 69	-0. 910	22. 69	-0. 858	+0. 0203	7	R.	4	23. 92	+13. 455	5. 34	+13. 552	+0. 0099
6	Br.	9	22. 87	-0. 036	1. 86	+0. 203	+0. 0207	7	Ei.	14	4. 70	+13. 566			
6	Ei.	11	3. 03	+0. 249				7	Br.	6	10. 45	+13. 418			
6	R.	2	8. 90	+0. 375				9	Br.	7	11. 11	+14. 023	11. 11	+14. 156	+0. 0121
7	R.	11	22. 78	+0. 604	22. 78	+0. 656	+0. 0210	Dec. 10.9 clock dropped 2s.							
8	L.	6	8. 40	+1. 233	8. 40	+1. 438	+0. 0215	11	R.	6	1. 25	+16. 637	5. 89	+16. 730	+0. 0138
9	L.	9	22. 83	+1. 460	3. 60	+1. 775	+0. 0218	11	Ei.	11	4. 85	+16. 713			
9	Ei.	9	3. 73	+1. 802				11	Br.	7	11. 50	+16. 659			
9	Br.	8	8. 81	+1. 736				Dec. 12 the clock dropped 6s. Dec. 12.9 pressure in clock case reduced 10mm.							
10	Br.	8	23. 12	+2. 022	1. 18	+2. 208	+0. 0222	14	M.	4	2. 80	+23. 612	2. 80	+23. 659	+0. 0081
10	R.	2	9. 40	+2. 370				15	Br.	6	1. 25	+23. 670	2. 55	+23. 837	+0. 0090
11	L.	6	9. 00	+2. 766	9. 00	+2. 971	+0. 0229	15	Ei.	5	4. 12	+23. 878			
12	L.	6	23. 22	+3. 102	4. 11	+3. 408	+0. 0232	16	R.	8	2. 01	+24. 072	5. 35	+24. 169	+0. 0109
12	Br.	6	9. 00	+3. 375				16	Br.	4	12. 02	+24. 125			
Nov. 14.0 pressure in clock case reduced. Nov. 19.3 clock case opened and resealed. Nov. 20.2 clock case opened and resealed.								17	Br.	9	0. 94	+24. 269	4. 92	+24. 490	+0. 0128
20	Br.	6	9. 98	+0. 273	9. 98	+0. 406	+0. 0165	17	M.	5	12. 08	+24. 600			
21	Br.	8	22. 42	+0. 531	22. 42	+0. 664	+0. 0175	18	M.	5	1. 06	+24. 752	5. 26	+24. 863	+0. 0149
Nov. 22.2 pressure in clock case reduced 10mm.								18	R.	3	12. 27	+24. 917			
22	L.	4	9. 98	+0. 888	9. 98	+1. 093	+0. 0104	Dec. 20.1 pressure in clock case reduced 10mm.							
23	Ei.	5	3. 14	+1. 298	3. 14	+1. 298	+0. 0107	20	M.	4	11. 92	+25. 528	11. 92	+25. 575	+0. 0094
24	Br.	6	23. 62	+1. 348	23. 62	+1. 481	+0. 0116	21	Br.	5	12. 78	+25. 556	12. 78	+25. 689	+0. 0095
25	R.	3	22. 20	+1. 620	22. 20	+1. 672	+0. 0128	22	Br.	7	1. 26	+25. 661	5. 22	+25. 863	+0. 0097
26	L.	4	22. 08	+1. 842	5. 33	+2. 147	+0. 0146	22	Ei.	8	5. 10	+25. 880			
26	Br.	6	10. 17	+2. 080				22	R.	4	12. 40	+25. 900			
27	Br.	7	0. 00	+2. 290	3. 23	+2. 484	+0. 0162	23	R.	7	23. 89	+25. 983	23. 89	+26. 035	+0. 0100
27	R.	3	10. 77	+2. 573				26	R.	7	1. 47	+26. 839	1. 47	+26. 891	+0. 0116
28	R.	6	0. 48	+2. 770	0. 48	+2. 822	+0. 0172	Dec. 26.9 pressure in clock case reduced 8mm.							
Nov. 28.4 pressure in clock case reduced 8mm.								27	M.	4	11. 98	+27. 250	11. 98	+27. 297	+0. 0080
								28	M.	4	1. 52	+27. 322	1. 52	+27. 369	+0. 0088

Relative personal equation correction: $E_i = 0^{\text{m}}.000$; $L_i = +0^{\text{m}}.205$; $R_i = +0^{\text{m}}.052$; $B_i = +0^{\text{m}}.133$; $M_i = +0^{\text{m}}.047$

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1903			h	s	h	s	s	1904			h	s	h	s	s
Dec. 29	Br.	5	2. 50	+27. 470	2. 50	27. 603	+0. 0099	Feb. 8	Br.	4	3. 85	+11. 350	9. 72	+11. 518	+0. 0005
30	R.	4	3. 62	+27. 865	9. 44	+27. 961	+0. 0113	8	Ei.	11	8. 45	+11. 516			
30	Br.	7	12. 77	+27. 853				8	Br.	8	14. 39	+11. 405			
31	Br.	11	3. 11	+28. 063	3. 11	+28. 196	+0. 0119	9	Br.	4	3. 85	+11. 392	5. 66	+11. 541	+0. 0005
1904								9	Ei.	7	6. 69	+11. 550			
				Jan. 5.0 clock jumped ahead 6".				11	Br.	8	6. 90	+11. 461	9. 68	+11. 578	0. 0000
				Jan. 5.9 clock jumped ahead 4".				11	M.	5	14. 12	+11. 506			
				Jan. 6.2 clock jumped ahead 2".				13	R.	5	3. 96	+11. 516	3. 96	+11. 568	-0. 0003
				Jan. 6.9 clock jumped ahead 2".				14	M.	8	14. 99	+11. 422	14. 99	+11. 469	-0. 0001
				Clock case opened Jan. 7.3 and resealed Jan. 9.0.				15	M.	3	4. 03	+11. 490	5. 89	+11. 530	-0. 0002
Jan. 13	Br.	7	13. 49	- 0. 716	13. 49	- 0. 583	0. 0000	15	Ei.	7	6. 69	+11. 527			
14	Br.	7	2. 10	- 0. 684	3. 97	- 0. 531	0. 0000	20	R.	7	4. 64	+11. 493	5. 90	+11. 550	-0. 0002
14	Ei.	8	5. 61	- 0. 514				20	Ei.	8	7. 01	+11. 555			
15	M.	1	2. 50	- 0. 500	9. 67	- 0. 508	+0. 0025	22	Ei.	13	8. 29	+11. 535	11. 13	+11. 515	-0. 0001
15	Ei.	5	5. 22	- 0. 494				22	Br.	10	14. 82	+11. 355			
15	Br.	7	13. 87	- 0. 651				23	Ei.	10	9. 33	+11. 494	9. 33	+11. 494	-0. 0003
18	M.	3	2. 57	- 0. 243	2. 57	- 0. 196	+0. 007	24	Ei.	11	8. 74	+11. 541	11. 98	+11. 531	+0. 0015
				Jan. 22.9 clock case opened and resealed.				24	Br.	10	15. 54	+11. 386			
24	Br.	8	3. 02	+ 0. 536	7. 83	+ 0. 682	-0. 0010	25	Ei.	6	7. 53	+11. 563	7. 53	+11. 563	-0. 001
24	M.	6	14. 25	+ 0. 653				27	Ei.	4	7. 02	+11. 522	7. 02	+11. 522	-0. 0007
25	M.	6	2. 35	+ 0. 677	5. 26	+ 0. 721	+0. 0008	Mar. 1	Br.	6	5. 37	+11. 352	7. 62	+11. 464	-0. 0008
25	Ei.	12	6. 72	+ 0. 719				1	Ei.	8	9. 31	+11. 448			
27	R.	7	2. 59	+ 0. 777	4. 15	+ 0. 829	+0. 0049	2	R.	8	5. 76	+11. 391	5. 76	+11. 443	-0. 0005
27	Ei.	7	5. 71	+ 0. 829				3	M.	8	15. 04	+11. 359	15. 04	+11. 406	-0. 0004
				Jan. 27.5 pressure in clock case reduced 9mm.				4	M.	7	5. 84	+11. 381	10. 96	+11. 377	-0. 0007
27	Br.	10	14. 60	+ 0. 683	14. 60	+ 0. 816	-0. 0003	4	Ei.	9	9. 89	+11. 366			
				Jan. 28.4 pressure in clock case reduced 1mm.				4	R.	10	15. 51	+11. 299			
30	R.	6	2. 72	+ 0. 752	4. 28	+ 0. 808	+0. 0001	5	R.	5	5. 84	+11. 364	5. 84	+11. 416	-0. 0009
30	Ei.	6	5. 85	+ 0. 813				8	Br.	5	5. 98	+11. 266	10. 97	+11. 380	-0. 0004
				Jan. 30.5 pressure in clock case reduced 2mm.				8	R.	5	15. 96	+11. 308			
Feb. 2	Br.	5	3. 26	+14. 592	7. 19	+14. 736	+0. 0005	9	R.	4	6. 28	+11. 298	11. 56	+11. 327	-0. 0004
				Jan. 31.4 pressure in clock case reduced 1mm.				9	Ei.	11	10. 65	+11. 308			
				Feb. 1.4 pressure in clock case reduced 2mm.				9	M.	8	15. 44	+11. 294			
				Feb. 1.9 clock dropped 14 seconds.				10	M.	5	6. 20	+11. 322	6. 20	+11. 369	-0. 0004
2	R.	4	12. 10	+14. 698				15	Br.	4	6. 55	+11. 075	9. 27	+11. 210	-0. 0008
3	R.	5	3. 04	+14. 692	8. 73	+14. 729	+0. 0007	15	Ei.	10	10. 36	+11. 211			
3	Ei.	5	5. 50	+14. 782				16	M.	5	6. 66	+11. 122	10. 98	+11. 179	-0. 0009
				Feb. 3.5 pressure in clock case reduced 1mm.				16	Ei.	11	10. 45	+11. 180			
3	Br.	9	13. 68	+14. 559				16	R.	5	16. 46	+11. 136			
4	Br.	4	3. 22	+14. 680	4. 50	+14. 810	+0. 0017	18	Br.	10	7. 76	+10. 983	11. 13	+11. 096	-0. 0008
4	Ei.	6	5. 35	+14. 808				18	M.	7	15. 94	+11. 019			
				Feb. 4.5 pressure in clock case reduced 3mm.				22	Ei.	7	8. 53	+11. 014	12. 83	+11. 008	-0. 0010
6	Ei.	16	8. 13	+11. 397	8. 13	+11. 397	+0. 0006	22	M.	9	16. 17	+10. 956			
				Clock case opened Feb. 5.9 and resealed Feb. 6.2.											

Relative personal equation correction: Ei. = 0.000; R. = +0.052; Br. = +0.133; M. = +0.047.
 Feb. 6 to May 19 pressure in clock case reduced to about 630mm each night.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sideral Clock*—Continued.

Date.	Observer.	No. Stars.	Side-real Time.	Observed Clock Correction.	Side-real Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Side-real Time.	Observed Clock Correction.	Side-real Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1904			h	s	h	s	s	1904			h	s	h	s	s
Mar. 23	Ei.	4	8. 60	+10. 980	13. 54	+10. 983	-0. 0010	May 1	M.	13	14. 79	+11. 331	15. 96	+11. 381	+0. 0043
23	R.	6	16. 83	+10. 933				1	R.	6	18. 48	+11. 335			
24	R.	3	7. 23	+10. 957	7. 23	+11. 009	-0. 0010	2	Ei.	4	11. 55	+11. 482	15. 56	+11. 510	+0. 0041
25	Ei.	5	9. 40	+10. 966	13. 72	+10. 920	-0. 0007	2	Br.	6	18. 23	+11. 395			
25	M.	7	16. 81	+10. 840				3	Br.	7	12. 70	+11. 503	14. 88	+11. 611	+0. 0043
27	Br.	11	10. 51	+10. 779	10. 51	+10. 912	-0. 0004	3	M.	5	17. 92	+11. 530			
28	Ei.	8	11. 98	+10. 919	14. 53	+10. 924	-0. 0008	4	M.	5	11. 16	+11. 662	13. 87	+11. 709	+0. 0046
28	Br.	8	17. 08	+10. 796				4	Ei.	10	15. 22	+11. 709			
29	Ei.	10	10. 92	+10. 932	12. 37	+10. 931	-0. 0009	5	R.	4	11. 28	+11. 708	14. 09	+11. 727	+0. 0047
29	M.	4	15. 98	+10. 880				5	Ei.	10	15. 22	+11. 714			
Apr. 1	M.	7	16. 14	+10. 821	16. 14	+10. 868	-0. 0008	7	M.	4	11. 22	+11. 898	14. 27	+11. 954	+0. 0045
2	Ei.	7	9. 76	+10. 881	11. 76	+10. 885	-0. 0003	7	Ei.	10	15. 49	+11. 958			
2	M.	3	16. 43	+10. 847				8	R.	4	17. 62	+12. 085	17. 62	+12. 137	+0. 0067
3	Ei.	7	9. 76	+10. 889	13. 25	+10. 886	-0. 0001	11	Ei.	10	14. 60	+12. 603	15. 79	+12. 616	+0. 0069
3	R.	6	17. 33	+10. 830				11	R.	4	18. 75	+12. 595			
4	Ei.	7	9. 66	+10. 941	13. 67	+10. 907	-0. 0004	12	Ei.	10	14. 60	+12. 769	16. 56	+12. 780	+0. 0069
4	Br.	9	16. 79	+10. 748				12	Br.	8	19. 00	+12. 660			
5	Br.	5	8. 42	+10. 790	12. 77	+10. 915	-0. 0002	13	Br.	12	13. 77	+12. 771	15. 47	+12. 899	+0. 0069
5	Ei.	11	12. 34	+10. 896				13	M.	9	17. 74	+12. 846			
5	M.	6	17. 18	+10. 897				15	R.	7	18. 61	+13. 311	18. 61	+13. 363	+0. 0071
7	R.	4	8. 55	+10. 845	10. 21	+10. 891	+0. 0004	16	Br.	9	18. 00	+13. 397	18. 00	+13. 530	+0. 0071
7	Ei.	5	11. 54	+10. 886				May 19.5 new clock in circuit.							
9	M.	5	8. 58	+10. 998	8. 58	+11. 045	+0. 0004	23	M.	5	13. 70	+ 3. 018	13. 70	+ 3. 065	-0. 0068
11	R.	17	10. 11	+10. 943	10. 11	+10. 995	+0. 0003	24	Ei.	11	14. 92	+ 2. 790	16. 70	+ 2. 788	-0. 0070
12	M.	6	17. 18	+10. 892	17. 18	+10. 939	+0. 0002	24	R.	7	19. 50	+ 2. 734			
13	M.	7	10. 37	+10. 901	14. 01	+10. 938	+0. 0002	25	Br.	11	15. 64	+ 2. 538	15. 64	+ 2. 671	-0. 0074
13	R.	8	17. 20	+10. 878				26	Ei.	10	14. 40	+ 2. 507	14. 40	+ 2. 507	-0. 0075
14	Ei.	10	12. 35	+10. 916	14. 06	+10. 924	+0. 0007	27	Ei.	10	15. 48	+ 2. 315	17. 21	+ 2. 279	-0. 0079
14	Br.	5	17. 48	+10. 806				27	Br.	7	19. 93	+ 2. 094			
15	Ei.	6	11. 10	+10. 960	11. 10	+10. 960	+0. 0012	28	Ei.	11	16. 03	+ 2. 124	16. 03	+ 2. 124	-0. 0078
16	M.	6	9. 30	+10. 987	11. 93	+11. 016	+0. 0012	29	R.	7	16. 01	+ 1. 961	16. 01	+ 2. 013	-0. 0074
16	Ei.	14	13. 06	+11. 008				June 3	Ei.	7	15. 30	+ 1. 077	17. 58	+ 1. 066	-0. 0068
17	R.	6	17. 92	+11. 012	17. 92	+11. 064	+0. 0012	3	Br.	9	19. 36	+ 0. 924			
18	R.	9	10. 49	+11. 084	12. 52	+11. 139	+0. 0011	6	R.	8	19. 25	+ 0. 528	19. 25	+ 0. 580	-0. 0067
18	Ei.	8	14. 81	+11. 142				8	Ei.	8	16. 49	+ 0. 218	16. 49	+ 0. 218	-0. 0071
19	Br.	13	11. 63	+11. 013	13. 57	+11. 121	+0. 0011	11	M.	5	14. 06	- 0. 314	14. 98	- 0. 304	-0. 0077
19	M.	7	17. 17	+11. 027				11	Ei.	5	15. 90	- 0. 340			
20	Ei.	13	13. 02	+11. 141	14. 41	+11. 134	+0. 0005	12	R.	12	18. 09	- 0. 557	18. 09	- 0. 505	-0. 0081
20	R.	6	17. 43	+11. 068				13	Ei.	10	17. 41	- 0. 734	17. 41	- 0. 734	-0. 0083
21	Ei.	12	13. 98	+11. 176	15. 46	+11. 163	+0. 0012	14	Br.	4	14. 15	- 1. 025	16. 59	- 0. 933	-0. 0082
21	Br.	7	18. 01	+11. 009				14	Ei.	9	17. 68	- 0. 952			
22	Br.	9	11. 14	+11. 017	14. 46	+11. 127	+0. 0023								
22	M.	10	17. 44	+11. 059											

Relative personal equation correction: Ei. = -0.000; R. = +0.052; Br. = +0.133; M. = +0.047; T. = +0.128.
Feb. 6 to May 19 pressure in clock case reduced to about 630mm each night.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1904 June 15	M.	8	^h 15. 22	^s -1. 111	^h 17. 61	^s -1. 098	^s -0. 0081	1904 July 29	Br.	5	^h 17. 02	^s +1. 628	^h 19. 43	^s +1. 702	^s -0. 0016
15	R.	12	19. 21	-1. 173				29	Ei.	9	20. 77	+1. 669			
17	Ei.	11	17. 57	-1. 549	17. 57	-1. 549	-0. 0084	30	M.	4	17. 72	+1. 648	19. 76	+1. 647	-0. 0018
18	M.	6	14. 40	-1. 733	16. 89	-1. 736	-0. 0085	30	Ei.	6	21. 12	+1. 615			
18	Ei.	11	18. 25	-1. 763				31	M.	12	22. 74	+1. 563	22. 74	+1. 610	-0. 0021
20	Br.	6	20. 80	-2. 360	20. 80	-2. 227	-0. 0088	Aug. 2	Br.	4	17. 15	+1. 310	21. 43	+1. 421	-0. 0026
22	Ei.	11	17. 57	-2. 608	17. 57	-2. 608	-0. 0087	2	T.	6	0. 28	+1. 278			
23	Ei.	11	18. 25	-2. 824	18. 25	-2. 824	-0. 0086	3	Ei.	9	21. 14	+1. 368	21. 14	+1. 368	-0. 0028
24	M.	11	16. 95	-3. 059	16. 95	-3. 012	-0. 0085	4	Br.	11	0. 31	+1. 186	0. 31	+1. 319	-0. 0030
26	R.	10	19. 64	-3. 466	19. 64	-3. 414	-0. 0083	6	T.	5	17. 24	+1. 012	20. 05	+1. 177	-0. 0035
30	R.	6	17. 48	-4. 247	17. 48	-4. 195	-0. 0080	6	Ei.	10	21. 46	+1. 196			
July 1	Br.	8	17. 20	-4. 381	17. 20	-4. 248	+0. 004	11	M.	5	17. 64	+0. 674	22. 01	+0. 715	-0. 0042
2	R.	6	21. 50	-3. 992	21. 50	-3. 940	+0. 016	11	Ei.	6	21. 05	+0. 708			
6	Ei.	11	19. 08	-2. 471	19. 08	-2. 471	-0. 0002	11	Br.	10	0. 77	+0. 583			
7	Br.	8	22. 06	-2. 572	22. 06	-2. 439	+0. 0003	12	Br.	6	17. 92	+0. 502	21. 56	+0. 580	-0. 0043
10	R.	9	22. 09	-2. 470	22. 09	-2. 418	+0. 0021	12	Ei.	7	20. 87	+0. 570			
11	Ei.	8	17. 01	-2. 352	19. 92	-2. 351	+0. 0027	12	T.	10	0. 22	+0. 426			
11	Br.	11	22. 03	-2. 483				14	Br.	12	0. 71	+0. 285	0. 71	+0. 418	-0. 0048
12	M.	4	22. 30	-2. 352	22. 30	-2. 305	+0. 0034	15	Br.	7	18. 04	+0. 216	19. 45	+0. 322	-0. 0049
13	R.	8	20. 71	-2. 261	20. 71	-2. 209	+0. 0040	15	Ei.	7	20. 86	+0. 294			
14	Ei.	11	20. 70	-2. 085	20. 70	-2. 085	+0. 0046	Sept. 6	M.	5	2. 16	-2. 126	2. 16	-2. 134	-0. 0060
15	Br.	5	16. 22	-2. 064	16. 22	-1. 931	+0. 0052	7	Ei.	8	21. 64	-2. 259	23. 12	-2. 262	-0. 0060
16	M.	6	16. 33	-1. 893	19. 19	-1. 859	+0. 0059	7	T.	4	2. 08	-2. 395			
16	Ei.	12	20. 62	-1. 865				8	M.	11	1. 98	-2. 443	1. 98	-2. 451	-0. 0059
July 17.3 new clock in circuit.								10	Ei.	6	20. 67	-2. 667	20. 67	-2. 667	-0. 0058
17	M.	11	21. 21	+1. 969	21. 21	+2. 016	+0. 0003	11	M.	11	1. 82	-2. 827	1. 82	-2. 835	-0. 0057
18	Ei.	8	20. 86	+2. 022	20. 86	+2. 022	+0. 0001	15	Ei.	13	21. 95	-2. 871	23. 48	-2. 867	-0. 0011
19	Br.	6	16. 93	+1. 932	19. 69	+2. 046	-0. 0003	15	M.	5	3. 46	-2. 848			
19	Ei.	6	20. 52	+2. 023				16	Ei.	11	22. 14	-2. 889	23. 96	-2. 887	-0. 0011
19	T.	3	23. 57	+1. 927				16	T.	6	3. 30	-3. 010			
20	T.	5	16. 74	+1. 978	20. 90	+2. 076	-0. 0006	17	T.	7	18. 91	-3. 064	18. 91	-2. 936	-0. 0011
20	M.	12	22. 64	+2. 016				21	M.	7	20. 73	-3. 064	0. 26	-3. 064	-0. 0014
22	Br.	4	17. 30	+1. 840	17. 30	+1. 973	-0. 0010	21	T.	6	4. 37	-3. 182			
25	Ei.	6	20. 48	+1. 830	22. 27	+1. 840	-0. 0014	22	T.	7	0. 34	-3. 176	1. 81	-3. 037	-0. 0015
25	Br.	11	23. 25	+1. 713				22	M.	6	3. 52	-3. 015			
26	Br.	8	17. 61	+1. 681	19. 52	+1. 811	-0. 0014	23	M.	7	22. 63	-3. 080	1. 42	-3. 127	-0. 0015
26	T.	7	21. 70	+1. 680				23	T.	6	4. 68	-3. 300			
27	Ei.	6	19. 75	+1. 760	19. 75	+1. 760	-0. 0013	25	M.	6	0. 25	-3. 140	0. 25	-3. 148	-0. 0015
								26	M.	6	21. 52	-3. 202	0. 51	-3. 231	-0. 0015
								26	T.	6	3. 50	-3. 380			
								28	M.	7	19. 80	-3. 276	19. 80	-3. 284	-0. 0016

Relative personal equation correction to Sept. 1: Ei. = 0.000; Br. = +0.133; M. = +0.047; T. = +0.128; after Sept. 1: Ei. = 0.000; Br. = +0.097; M. = -0.008; T. = +0.128; Y. = -0.018.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1904 Sept. 29	Ei.	7	^h 20.73	^s -3.331	^h 20.73	^s -3.331	^s -0.0016	1904 Oct. 30	M.	5	^h 7.52	^s -1.356	^h 7.52	^s -1.364	^s -0.0043
30	T.	4	6.00	-3.520	6.00	-3.392	-0.0017	31	M.	0	22.06	-1.438	1.92	-1.450	-0.0043
Oct. 1	Ei.	12	22.29	-3.376	0.21	-3.378	-0.0018	31	Br.	6	7.72	-1.552			
1	M.	5	4.82	-3.376				Nov. 1	Br.	10	22.18	-1.645	2.50	-1.539	-0.0044
3	M.	8	20.22	-3.485	0.56	-3.488	-0.0019	1	M.	9	7.30	-1.521			
3	Br.	7	5.51	-3.580				2	M.	5	22.38	-1.640	22.38	-1.648	-0.0045
4	M.	6	5.42	-3.478	5.42	-3.486	-0.0020	3	Y.	7	22.21	-1.794	22.21	-1.812	-0.0045
5	Ei.	6	21.00	-3.540	21.00	-3.540	-0.0020	5	Y.	8	23.21	-1.986	23.21	-2.004	-0.0046
7	Br.	9	20.99	-3.790	20.99	-3.693	-0.0020	6	M.	5	8.24	-2.032	8.24	-2.040	-0.0047
9	M.	6	5.75	-3.732	5.75	-3.740	-0.0020	7	M.	7	21.43	-2.153	21.43	-2.161	-0.0047
10	Ei.	10	23.30	-3.808	23.30	-3.808	-0.0021	11	Br.	9	1.10	-2.633	4.13	-2.549	-0.0050
Oct. 11.2 new clock in circuit.								11	Y.	6	8.67	-2.550			
13	Ei.	8	22.74	+0.239	1.18	+0.238	-0.0036	Nov. 14.0 clock dropped 4 ^s .							
13	Br.	4	6.05	+0.140				14	M.	8	21.94	-0.811	2.06	-0.814	-0.0052
14	Ei.	11	23.53	+0.195	1.28	+0.190	-0.0036	14	Br.	5	8.64	-0.904			
14	Y.	4	6.10	+0.195				15	Br.	8	23.38	-1.047	23.38	-0.950	-0.0052
15	Ei.	8	23.35	+0.109	23.35	+0.109	-0.0036	16	M.	8	22.91	-1.089	3.43	-1.119	-0.0052
16	Br.	9	21.53	-0.123	1.69	-0.006	-0.0036	16	Y.	7	8.60	-1.127			
16	M.	8	6.36	+0.025				17	Y.	5	0.24	-1.232	0.24	-1.250	-0.0053
17	Ei.	7	23.69	-0.076	2.44	-0.107	-0.0036	18	Br.	7	2.01	-1.441	2.01	-1.344	-0.0053
17	Br.	5	6.28	-0.248				19	Y.	7	0.16	-1.520	0.16	-1.538	-0.0053
18	Ei.	14	0.46	-0.219	2.52	-0.210	-0.0037	20	Br.	7	2.70	-1.743	2.70	-1.646	-0.0054
18	M.	9	5.73	-0.187				21	M.	8	0.85	-1.824	4.47	-1.826	-0.0054
19	M.	6	20.78	-0.300	21.47	-0.310	-0.0038	21	Br.	6	9.30	-1.915			
19	Ei.	5	22.30	-0.312				23	M.	7	22.59	-2.096	22.59	-2.104	-0.0055
21	Br.	8	0.55	-0.604	2.71	-0.504	-0.0039	24	Br.	4	7.70	-2.340	7.70	-2.243	-0.0055
21	Y.	5	6.18	-0.482				26	Y.	5	22.90	-2.546	22.90	-2.564	-0.0055
22	Ei.	14	1.24	-0.544	1.24	-0.544	-0.0039	28	M.	6	22.75	-2.800	2.98	-2.842	-0.0056
23	Br.	6	0.25	-0.753	1.46	-0.641	-0.0039	28	Ei.	6	2.03	-2.823			
23	M.	5	2.92	-0.616				28	Br.	4	10.75	-3.020			
24	Ei.	10	2.39	-0.742	4.30	-0.755	-0.0040	30	M.	5	22.64	-3.128	4.10	-3.164	-0.0057
24	Br.	6	7.47	-0.873				30	Ei.	7	1.93	-3.150			
25	Br.	4	21.20	-1.010	21.20	-0.913	-0.0040	30	Br.	7	10.16	-3.296			
26	Y.	7	6.79	-0.964	6.79	-0.982	-0.0040	Dec. 1	Br.	7	1.23	-3.390	4.56	-3.299	-0.0057
27	Y.	7	22.34	-1.074	1.53	-1.074	-0.0041	1	M.	5	9.22	-3.300			
27	Ei.	8	1.43	-1.068				6	Br.	8	23.66	-4.046	23.66	-3.949	-0.0060
27	Br.	4	7.25	-1.148				7	Br.	7	10.16	-4.287	10.16	-4.190	-0.0060
28	Br.	7	0.39	-1.263	3.34	-1.185	-0.0041	8	Br.	6	1.80	-4.353	1.80	-4.256	-0.0061
28	Y.	5	7.46	-1.194				12	M.	9	2.30	-4.842	2.30	-4.850	-0.0063
29	Y.	7	22.63	-1.280	1.82	-1.273	-0.0042								
29	Ei.	8	1.52	-1.249											
29	Br.	4	7.98	-1.375											

Relative personal equation correction: Ei.—0.000; Br.—+0.097; M.—-0.008; Y.—-0.018.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1904 Dec. 13	Br.	8	^h 0.56	^s — 5.079	^m 0.56	^u — 4.982	^s —0.0064	1905 Feb. 7	Ei.	8	^h 6.19	^s —14.010	^h 6.19	^s —14.010	^u —0.0007
14	M.	8	0.91	— 5.166	0.91	— 5.174	—0.0064	9	Br.	5	15.00	—14.016	15.00	—13.919	—0.0007
16	Ei.	8	3.34	— 5.512	3.34	— 5.512	—0.0064	10	Ei.	8	6.31	—13.970	10.32	—13.978	—0.0008
18	Br.	7	3.37	— 5.866	3.37	— 5.769	—0.0065	10	M.	7	14.90	—13.979			
19	Ei.	10	3.23	— 5.959	7.06	— 5.982	—0.0065	11	M.	8	4.00	—13.928	4.00	—13.936	—0.0008
19	Br.	9	11.31	— 6.104				13	Y.	7	5.37	—14.006	5.37	—14.024	—0.0008
20	Br.	8	4.95	— 6.232	7.66	— 6.140	—0.0066	14	Br.	7	6.07	—14.096	6.07	—13.999	—0.0008
20	M.	6	11.27	— 6.138				15	M.	6	4.92	—14.103	4.92	—14.111	—0.0008
21	Ei.	10	3.77	— 6.252	3.77	— 6.252	—0.0066	16	Y.	8	5.94	—14.072	5.94	—14.090	—0.0008
22	Br.	7	5.01	— 6.551	5.01	— 6.454	—0.0066	17	Br.	5	5.74	—14.192	9.89	—14.121	—0.0009
28	M.	6	1.03	— 7.458	1.03	— 7.466	—0.0068	17	Ei.	10	9.02	—14.149			
29	Br.	9	3.34	— 7.709	3.34	— 7.612	—0.0068	17	M.	6	14.80	—14.087			
30	M.	6	1.43	— 7.725	6.48	— 7.808	—0.0069	18	Ei.	10	7.30	—14.128	7.30	—14.128	—0.0009
30	Br.	5	12.54	— 7.994				20	Br.	10	13.37	—14.258	13.37	—14.161	—0.0008
1905 Jan. 4	M.	7	1.90	— 8.533	1.90	— 8.541	—0.0071	23	Br.	6	15.72	—14.312	15.72	—14.215	—0.0005
12	Br.	6	13.70	—10.132	13.70	—10.035	—0.0078	24	Ei.	14	8.06	—14.279	10.56	—14.284	—0.0006
13	M.	8	12.71	—10.162	12.71	—10.170	—0.0074	24	M.	7	15.56	—14.286			
14	Ei.	6	3.90	—10.278	3.90	—10.278	—0.0074	Mar. 1	Y.	8	16.04	—14.428	16.04	—14.446	—0.0006
15	Br.	8	4.50	—10.570	4.50	—10.473	—0.0075	2	Ei.	8	6.56	—14.440	6.56	—14.440	—0.0006
16	Y.	7	1.61	—10.636	5.77	—10.674	—0.0075	6	Ei.	6	6.42	—14.512	6.42	—14.512	—0.0005
16	Ei.	7	4.53	—10.651				10	Ei.	12	8.98	—14.527	10.64	—14.528	—0.0001
16	Br.	5	13.32	—10.832				10	M.	5	14.64	—14.524			
18	M.	8	1.84	—11.009	3.36	—11.021	—0.0075	12	Y.	6	16.30	—14.558	16.30	—14.576	—0.0002
18	Ei.	8	4.89	—11.025				13	Ei.	9	8.22	—14.487	11.77	—14.516	—0.0002
19	Y.	11	5.53	—11.176	9.04	—11.230	—0.0075	13	Br.	7	16.34	—14.650			
19	Br.	7	13.56	—11.374				15	M.	8	8.48	—14.459	12.15	—14.480	—0.0002
20	Br.	5	6.42	—11.464	6.42	—11.367	—0.0075	15	Y.	7	16.34	—14.477			
21	M.	9	2.86	—11.516	6.87	—11.555	—0.0075	16	Ei.	8	8.49	—14.496	8.49	—14.496	—0.0002
21	Br.	10	10.47	—11.679				17	Y.	5	9.48	—14.458	9.48	—14.476	—0.0001
22	Y.	7	12.86	—11.819	12.86	—11.837	—0.0076	18	M.	6	8.60	—14.447	8.60	—14.455	0.0000
27	Ei.	6	4.67	—12.682	4.67	—12.682	—0.0077	23	Ei.	4	7.55	—14.448	7.55	—14.448	+0.0002
28	M.	8	2.72	—12.878	3.50	—12.881	—0.0077	25	Ei.	11	10.05	—14.490	12.27	—14.490	+0.0001
28	Ei.	5	4.76	—12.872				25	Br.	7	15.77	—14.586			
30	Y.	6	3.20	—13.237	4.98	—13.289	—0.0078	26	Y.	5	17.00	—14.500	17.00	—14.518	+0.0001
30	Ei.	9	6.16	—13.311				27	Ei.	9	9.91	—14.511	12.47	—14.524	+0.0001
Feb. 2	Y.	8	4.25	—13.789	4.25	—13.807	—0.0079	27	Br.	7	15.77	—14.637			
Feb. 3.0 pressure in clock case increased 15mm.								28	Br.	8	9.21	—14.632	12.69	—14.553	+0.0001
5	Y.	8	6.50	—13.925	9.98	—13.948	—0.0007	28	M.	7	16.66	—14.566			
6	Br.	6	14.63	—14.052				29	Ei.	9	9.18	—14.584	11.92	—14.562	+0.0001
								29	Y.	6	16.02	—14.512			

Relative personal equation correction: Ei.—0.000; Br.—+0.097; M.——0.008; Y.——0.018; Hl.—+0.120.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1905			h	s	h	s	s	1905			h	s	h	s	s
Mar. 30	Ei.	8	10.55	-14.560	12.94	-14.553	+0.0001	May 16	Br.	7	12.34	-14.236	12.34	-14.139	+0.0004
30	Br.	5	16.76	-14.638				18	Br.	9	17.07	-14.237	17.07	-14.140	+0.0004
31	Y.	4	8.02	-14.482	11.87	-14.494	+0.0001	19	Ei.	10	16.41	-14.120	16.41	-14.120	+0.0003
31	Ei.	9	10.56	-14.492				20	M.	6	16.80	-14.058	16.80	-14.066	+0.0003
31	M.	8	15.28	-14.486				21	Br.	8	17.12	-14.202	17.12	-14.105	+0.0003
Apr. 1	Ei.	5	10.90	-14.482	10.90	-14.482	0.0000	22	Hi.	4	12.48	-14.208	14.27	-14.105	+0.0003
2	Y.	7	17.01	-14.451	17.01	-14.469	0.0000	22	Ei.	6	15.47	-14.117			
4	Br.	5	8.50	-14.522	8.50	-14.425	+0.0002	23	Br.	8	16.42	-14.211	17.90	-14.127	+0.0003
7	M.	6	17.15	-14.430	17.15	-14.438	+0.0005	23	M.	7	19.59	-14.133			
8	Ei.	10	12.45	-14.444	12.45	-14.444	+0.0005	24	M.	6	12.77	-14.107	15.22	-14.112	+0.0003
9	Y.	7	16.93	-14.439	16.93	-14.457	+0.0004	24	Ei.	10	16.69	-14.110			
13	Y.	4	9.45	-14.370	13.29	-14.413	+0.0004	25	Hi.	4	13.65	-14.245	16.17	-14.113	+0.0003
13	Ei.	10	11.80	-14.419				25	Br.	10	17.18	-14.205			
13	Br.	8	17.08	-14.514				27	M.	6	16.57	-14.093	16.57	-14.101	+0.0002
14	Ei.	10	14.19	-14.436	14.19	-14.436	+0.0004	28	Hi.	4	19.92	-14.225	19.92	-14.105	+0.0002
16	Br.	5	11.64	-14.480	11.64	-14.383	+0.0003	June 1	Ei.	10	16.77	-14.055	16.77	-14.055	+0.0007
17	Ei.	10	14.26	-14.373	14.26	-14.373	+0.0003	2	Br.	8	13.86	-14.080	16.65	-14.011	+0.0007
18	Br.	4	12.38	-14.448	15.10	-14.375	+0.0003	2	M.	6	16.80	-14.000			
18	M.	7	16.66	-14.380				2	Hi.	7	19.70	-14.166			
19	Ei.	5	13.02	-14.368	14.67	-14.385	+0.0003	3	Ei.	7	16.67	-14.043	16.67	-14.043	+0.0006
19	Y.	5	16.64	-14.388				5	Ei.	7	14.97	-14.001	14.97	-14.001	+0.0006
20	Ei.	9	13.33	-14.380	14.75	-14.379	+0.0003	8	Ei.	9	16.29	-13.914	16.29	-13.914	+0.0006
20	Br.	5	17.32	-14.474				9	Br.	7	14.51	-13.973	16.46	-13.905	+0.0007
22	M.	5	11.80	-14.340	13.34	-14.351	+0.0002	9	Hi.	5	18.73	-14.058			
22	Ei.	9	14.20	-14.352				13	Br.	8	14.81	-13.946	14.81	-13.849	+0.0012
23	Y.	5	17.72	-14.290	17.72	-14.308	+0.0002	14	Ei.	8	16.11	-13.880	16.11	-13.880	+0.0012
24	Ei.	7	13.16	-14.324	15.08	-14.332	+0.0002	15	M.	7	15.11	-13.820	15.11	-13.828	+0.0013
24	Br.	7	16.99	-14.437				16	Br.	7	15.23	-13.824	15.23	-13.727	+0.0014
25	Br.	5	10.58	-14.388	10.58	-14.291	+0.0002	17	Hi.	5	14.94	-13.838	14.94	-13.718	+0.0015
27	Y.	7	12.00	-14.280	14.21	-14.281	+0.0002	18	Ei.	8	18.65	-13.656	18.65	-13.656	+0.0016
27	Br.	5	16.80	-14.358				19	Br.	9	14.90	-13.720	16.91	-13.631	+0.0017
28	Br.	7	12.00	-14.381	12.00	-14.284	+0.0002	19	Hi.	5	20.52	-13.766			
30	Y.	7	16.96	-14.200	16.96	-14.218	+0.0001	21	Hi.	5	20.18	-13.612	20.18	-13.492	+0.0019
May 1	Y.	6	12.27	-14.220	12.27	-14.238	+0.0002	Aug. 13	M.	5	0.72	-9.638	0.72	-9.646	+0.0034
2	Br.	5	12.10	-14.296	14.66	-14.207	+0.0003	15	Hi.	7	23.21	-9.561	23.21	-9.441	+0.0033
2	M.	6	16.80	-14.205				17	M.	7	18.19	-9.216	18.19	-9.224	+0.0032
7	Y.	6	16.80	-14.225	16.80	-14.243	+0.0005	18	Br.	7	18.19	-9.266	20.48	-9.161	+0.0032
8	Y.	6	16.80	-14.163	16.80	-14.181	+0.0005	18	Hi.	7	22.27	-9.296			
12	Br.	5	12.22	-14.292	14.72	-14.168	+0.0005								
12	Y.	6	16.80	-14.127											

Relative personal equation correction to July 1: Ei.=0.000; Br.=+0.097; M.=+0.008; Hi.=+0.120; after July 1: Ei.=0.000; Br.=+0.120; M.=+0.008; Hi.=+0.120; Br.=+0.133.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1905 Aug. 19	HI.	7	^h 18. 96	^s -9. 234	^h 18. 96	^s -9. 114	+0. 0032	1905 Sept. 27	Bs.	7	^h 22. 24	^s -2. 833	^h 0. 94	^s -2. 983	+0. 0107
21	M.	7	18. 54	-8. 963	22. 62	-8. 961	+0. 0032	27	HI.	6	4. 10	-3. 122			
21	Br.	10	1. 49	-9. 074				28	HI.	7	21. 10	-2. 876	21. 10	-2. 756	+0. 0107
22	Br.	8	18. 98	-9. 019	18. 98	-8. 899	+0. 0032	29	Bs.	6	22. 08	-2. 348	1. 34	-2. 450	+0. 0107
23	HI.	6	20. 35	-8. 972	22. 21	-8. 843	+0. 0032	29	HI.	7	4. 14	-2. 544			
23	M.	8	23. 61	-8. 828				30	HI.	7	22. 99	-2. 404	22. 99	-2. 284	+0. 0106
26	HI.	5	19. 52	-8. 808	19. 52	-8. 688	+0. 0032	Oct. 3	Bs.	9	3. 31	-1. 184	3. 31	-1. 317	+0. 0105
28	Br.	7	1. 83	-8. 677	1. 83	-8. 557	+0. 0031	4	Bs.	7	22. 24	-1. 020	1. 13	-1. 140	+0. 0105
29	Br.	6	19. 58	-8. 548	22. 72	-8. 439	+0. 0030	4	HI.	8	3. 65	-1. 248			
29	HI.	5	2. 48	-8. 573				5	HI.	5	22. 18	-1. 084	2. 39	-0. 899	+0. 0104
30	HI.	7	20. 21	-8. 521	20. 21	-8. 401	+0. 0030	5	Br.	7	5. 39	-0. 973			
31	Br.	9	2. 31	-8. 399	2. 31	-8. 279	+0. 0030	Oct. 6 clock dropped 4s.							
Sept. 4	HI.	4	22. 38	-8. 192	22. 38	-8. 072	+0. 0030	6	Br.	10	21. 95	+3. 214	21. 95	+3. 334	+0. 0104
5	Bs.	3	19. 73	-7. 787	19. 73	-7. 920	+0. 0030	7	Bs.	7	22. 04	+3. 741	22. 04	+3. 608	+0. 0104
6	HI.	6	20. 22	-7. 993	0. 13	-7. 854	+0. 0030	8	Bs.	8	22. 09	+3. 979	1. 03	+3. 868	+0. 0103
6	Bs.	10	2. 48	-7. 709				8	HI.	7	4. 39	+3. 774			
7	Bs.	10	20. 45	-7. 645	21. 29	-7. 787	+0. 0030	9	HI.	6	23. 68	+4. 007	23. 68	+4. 127	+0. 0103
7	HI.	3	0. 10	-7. 937				11	Bs.	4	5. 18	+4. 772	5. 18	+4. 639	+0. 0103
Sept. 7.9 clock dropped 4s.								12	Bs.	11	23. 02	+5. 001	0. 96	+4. 866	+0. 0103
8	HI.	7	21. 16	-3. 843	23. 66	-3. 705	+0. 0029	12	Br.	9	3. 32	+4. 744			
8	Bs.	6	2. 57	-3. 550				13	Br.	9	23. 24	+4. 953	23. 24	+5. 073	+0. 0103
9	Bs.	11	22. 59	-3. 517	22. 59	-3. 650	+0. 0028	14	Bs.	6	3. 50	+5. 477	3. 50	+5. 344	+0. 0104
12	Bs.	10	21. 81	-3. 292	23. 43	-3. 406	+0. 0026	15	HI.	7	4. 90	+5. 500	4. 90	+5. 620	+0. 0104
12	HI.	6	2. 12	-3. 495				16	Br.	5	5. 22	+5. 726	5. 22	+5. 846	+0. 0104
13	Bs.	6	3. 15	-3. 217	3. 15	-3. 350	+0. 0026	17	Br.	7	0. 03	+5. 913	0. 03	+6. 033	+0. 0104
14	Bs.	8	20. 55	-3. 132	23. 51	-3. 255	+0. 0026	21	Bs.	9	22. 53	+7. 280	0. 20	+7. 168	+0. 0104
14	HI.	7	2. 90	-3. 364				21	HI.	2	7. 70	+7. 140			
15	HI.	5	21. 68	-3. 326	1. 01	-3. 185	+0. 0025	22	HI.	5	5. 10	+7. 326	5. 10	+7. 446	+0. 0105
15	Bs.	8	3. 09	-3. 038				23	HI.	5	23. 00	+7. 516	23. 00	+7. 636	+0. 0105
18	HI.	7	22. 14	-3. 170	0. 50	-3. 057	+0. 0026	28	Bs.	7	0. 64	+9. 109	0. 64	+8. 976	+0. 0108
18	Bs.	7	2. 87	-2. 931				29	HI.	6	5. 55	+9. 200	5. 55	+9. 320	+0. 0108
19	Bs.	7	21. 17	-2. 906	21. 17	-3. 039	+0. 0027	Oct. 30.1 pressure in clock case reduced 16mm.							
Sept. 21 clock jumped ahead 2s.								30	HI.	6	23. 60	+9. 307	4. 01	+9. 451	+0. 0024
21	Bs.	5	21. 23	-4. 633	0. 29	-4. 743	+0. 0107	30	Br.	8	7. 32	+9. 349			
21	HI.	5	3. 35	-4. 840				31	Br.	12	23. 55	+9. 370	23. 55	+9. 490	+0. 0024
22	HI.	5	21. 53	-4. 560	23. 34	-4. 400	+0. 0107	Nov. 1	Bs.	7	0. 66	+9. 703	2. 09	+9. 563	+0. 0025
22	Bs.	7	0. 90	-4. 233				1	HI.	4	4. 60	+9. 432			
24	HI.	5	3. 45	-3. 845	3. 45	-3. 725	+0. 0108	2	HI.	4	0. 02	+9. 472	4. 48	+9. 646	+0. 0025
25	Bs.	7	21. 39	-3. 446	21. 39	-3. 579	+0. 0108	2	Br.	5	8. 04	+9. 570			
26	HI.	7	22. 31	-3. 473	0. 84	-3. 306	+0. 0108								
26	Bs.	6	3. 80	-3. 118											

Relative personal equation correction: EI.=0.000; Br.=+0.120; HI.=+0.120; Bs.=+0.133.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock.*—Continued.

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1905 Nov. 3	Bs.	4	^h 7.95 ^s + 9.838	^h 7.95 ^s + 9.705	+0.0025			1905 Dec. 16	Hl.	6	^h 10.15 ^s +12.943	^h 10.15 ^s +13.063	+0.0040		
6	Bs.	6	23.70 +10.068	23.70 + 9.935	+0.0026			18	Bs.	9	0.87 +13.344	0.87 +13.211	+0.0041		
8	Bs.	6	1.23 +10.227	1.23 +10.094	+0.0027			19	Hl.	4	1.82 +13.182	7.60 +13.367	+0.0041		
10	Bs.	8	1.11 +10.399	4.43 +10.260	+0.0028			19	Bs.	7	10.91 +13.537				
10	Hl.	7	8.23 +10.134					21	Hl.	6	0.62 +13.342	4.52 +13.493	+0.0042		
11	Hl.	6	5.03 +10.162	5.03 +10.282	+0.0028			21	Bs.	4	10.38 +13.672				
12	Hl.	6	5.98 +10.207	5.98 +10.327	+0.0029			22	Bs.	4	0.48 +13.730	0.48 +13.597	+0.0042		
14	Br.	10	23.72 +10.315	3.03 +10.463	+0.0029			23	Ei.	8	4.10 +13.730	4.10 +13.730	+0.0043		
14	Bs.	7	7.76 +10.637					26	Hl.	6	1.00 +13.947	6.13 +14.103	+0.0044		
16	Br.	8	8.76 +10.531	8.76 +10.651	+0.0030			26	Ei.	11	5.72 +14.106				
17	Br.	12	0.07 +10.501	0.07 +10.621	+0.0030			26	Br.	7	11.17 +14.010				
20	Br.	8	9.61 +10.755	9.61 +10.875	+0.0031			27	Br.	9	1.70 +14.080	4.91 +14.228	+0.0044		
21	Br.	10	0.79 +10.813	3.20 +10.964	+0.0032			27	Hl.	5	10.70 +14.158				
21	Bs.	5	8.02 +11.158					29	Br.	9	2.12 +14.311	5.77 +14.445	+0.0045		
22	Bs.	6	1.10 +11.145	4.98 +11.059	+0.0032			29	Hl.	7	10.47 +14.343				
22	Hl.	7	8.31 +10.979					30	Hl.	6	0.85 +14.398	0.85 +14.518	+0.0045		
23	Hl.	8	2.12 +10.945	6.39 +11.091	+0.0032			1906 Jan. 1	Hl.	6	2.30 +14.653	7.00 +14.784	+0.0046		
23	Br.	9	9.23 +10.989					1	Br.	6	11.70 +14.675				
25	Bs.	5	3.48 +11.426	3.48 +11.293	+0.0033			2	Br.	2	0.80 +14.715	0.80 +14.835	+0.0046		
26	Hl.	8	8.80 +11.251	8.80 +11.371	+0.0033			5	Br.	8	1.79 +15.055	5.74 +15.205	+0.0047		
29	Bs.	8	2.48 +11.684	2.48 +11.551	+0.0034			5	Ei.	7	5.97 +15.219				
Dec. 1	Br.	11	23.53 +11.652	23.53 +11.772	+0.0035			5	Hl.	4	13.25 +15.120				
4	Hl.	7	23.56 +11.821	4.63 +11.976	+0.0036			6	Hl.	7	1.81 +15.153	4.70 +15.310	+0.0048		
4	Ei.	8	3.46 +11.961					6	Ei.	10	6.72 +15.336				
4	Br.	8	10.25 +11.902					9	Br.	8	3.06 +15.540	4.68 +15.672	+0.0049		
5	Ei.	8	3.34 +12.120	6.90 +12.109	+0.0036			9	Ei.	8	6.30 +15.684				
5	Bs.	9	10.07 +12.232					10	Bs.	4	3.12 +15.875	6.39 +15.783	+0.0049		
6	Bs.	7	23.93 +12.277	3.71 +12.154	+0.0037			10	Ei.	13	7.39 +15.795				
6	Ei.	8	3.25 +12.142					Jan. 11.2 clock dropped 8 ^s . Jan. 12.2 clock dropped 4 ^s .							
6	Hl.	6	8.72 +12.063					12	Hl.	6	12.28 +27.943	12.28 +28.063	+0.0050		
7	Hl.	8	23.70 +12.135	5.19 +12.275	+0.0037			16	Br.	6	2.58 +28.377	7.51 +28.518	+0.0051		
7	Ei.	8	3.76 +12.272					16	Bs.	5	13.42 +28.676				
7	Br.	11	10.22 +12.171					18	Hl.	5	2.72 +28.580	5.33 +28.757	+0.0052		
10	Hl.	7	2.14 +12.416	2.14 +12.536	+0.0038			18	Ei.	10	6.64 +28.785				
11	Hl.	8	1.39 +12.483	3.96 +12.621	+0.0039			Jan. 18.6 new clock in circuit.							
11	Br.	7	7.27 +12.524					18	Br.	7	13.47 - 4.367	13.47 - 4.247	+0.0005		
12	Br.	6	3.35 +12.598	3.35 +12.718	+0.0039			24	Bs.	6	3.32 - 4.095	8.11 - 4.216	+0.0007		
13	Bs.	10	0.38 +12.911	2.64 +12.793	+0.0039			24	Ei.	13	8.11 - 4.206				
13	Ei.	8	3.78 +12.790					24	Hl.	5	13.88 - 4.350				
13	Hl.	3	7.10 +12.730					28	Bs.	7	13.77 - 4.121	13.77 - 4.254	+0.0003		
14	Hl.	5	0.92 +12.738	0.92 +12.858	+0.0040			29	Bs.	6	3.32 - 4.140	8.94 - 4.272	+0.0001		
								29	Ei.	12	7.85 - 4.257				
								29	Br.	10	13.61 - 4.410				

Relative personal equation correction: Ei.—0.000; Br.—+0.120; Hl.—+0.120; Bs.—-0.133.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1906			h	s	h	s	s	1906			h	s	h	s	s
Jan. 30	Br.	7	3.40	-4.370	5.94	-4.252	+0.0002	Mar. 6	Br.	8	7.74	-3.000	8.66	-2.882	+0.0028
30	Ei.	10	7.71	-4.254				6	Ei.	5	10.14	-2.886			
31	Bs.	7	4.31	-4.117	8.56	-4.260	+0.0002	9	Ei.	6	11.30	-2.707	11.30	-2.707	+0.0035
31	Hi.	5	14.50	-4.394				10	Hi.	5	7.20	-2.684	9.47	-2.582	+0.0036
Feb. 2	Br.	11	4.39	-4.332	4.39	-4.212	+0.0002	10	Ei.	7	11.09	-2.594			
3	Hi.	7	5.04	-4.304	5.04	-4.184	+0.0001	17	Bs.	6	16.03	-1.752	16.03	-1.885	+0.0048
4	Hi.	6	7.65	-4.342	7.65	-4.222	+0.0001	19	Br.	4	16.28	-1.840	16.28	-1.720	+0.0048
5	Bs.	4	6.70	-4.095	6.70	-4.228	+0.0002	20	Br.	8	8.60	-1.711	11.40	-1.614	+0.0051
7	Bs.	5	5.18	-4.056	6.90	-4.199	+0.0005	20	Ei.	13	13.12	-1.628			
7	Ei.	6	8.33	-4.208				21	Bs.	6	8.55	-1.377	9.94	-1.501	+0.0054
9	Br.	7	5.74	-4.313	9.08	-4.186	+0.0005	21	Ei.	6	11.32	-1.492			
9	Hi.	6	12.97	-4.297				22	Bs.	7	8.56	-1.247	11.81	-1.395	+0.0058
10	Hi.	6	6.05	-4.253	6.05	-4.133	+0.0006	22	Br.	5	16.36	-1.536			
13	Br.	4	5.30	-4.172	7.28	-4.062	+0.0010	23	Br.	10	8.36	-1.356	8.36	-1.236	+0.0058
13	Ei.	7	8.41	-4.067				31	Bs.	6	13.32	+0.230	13.32	+0.097	+0.0079
15	Hi.	5	6.58	-4.078	6.58	-3.958	+0.0013	Apr. 1	Bs.	6	16.73	+0.442	16.73	+0.309	+0.0081
16	Br.	6	6.18	-4.063	10.20	-3.936	+0.0015	2	Bs.	5	9.00	+0.626	11.98	+0.504	+0.0083
16	Hi.	6	14.23	-4.048				2	Ei.	11	13.33	+0.509			
17	Hi.	7	8.67	-3.989	8.67	-3.869	+0.0018	6	Br.	8	9.15	+1.234	9.89	+1.350	+0.0090
19	Bs.	6	6.98	-3.677	11.36	-3.796	+0.0018	6	Ei.	3	11.87	+1.340			
19	Br.	7	15.11	-3.904				7	Bs.	5	10.26	+1.652	12.41	+1.553	+0.0091
20	Br.	6	7.30	-3.865	7.30	-3.745	+0.0020	7	Ei.	8	13.75	+1.575			
22	Hi.	7	8.89	-3.706	11.86	-3.609	+0.0022	10	Br.	6	9.45	+2.138	11.71	+2.288	+0.0096
22	Bs.	6	15.32	-3.503				10	Ei.	10	13.07	+2.306			
Feb. 22 clock dropped 2.								12	Bs.	7	10.03	+2.816	13.78	+2.727	+0.0096
23	Bs.	5	5.74	-1.428	10.06	-1.549	+0.0022	12	Br.	7	17.53	+2.650			
23	Ei.	7	8.84	-1.560				13	Br.	6	9.45	+2.880	11.74	+3.001	+0.0096
23	Hi.	6	15.08	-1.645				13	Ei.	9	13.26	+3.002			
24	Hi.	5	6.76	-1.612	8.35	-1.500	+0.0023	Apr. 15, 4 new clock in circuit.							
24	Ei.	6	9.68	-1.507				15	Bs.	5	17.46	+8.436	17.46	+8.303	-0.0022
26	Bs.	6	6.98	-1.277	6.98	-1.410	+0.0024	16	Bs.	7	10.47	+8.481	12.92	+8.350	-0.0022
27	Br.	5	7.50	-1.396	7.50	-1.276	+0.0024	16	Ei.	10	14.63	+8.351			
28	Bs.	6	7.82	-1.097	7.82	-1.230	+0.0024	17	Br.	6	10.23	+8.241	11.73	+8.339	-0.0022
Feb. 28 clock jumped ahead 2.								17	Ei.	7	13.66	+8.311			
Mar. 1	Hi.	7	6.19	-3.287	6.19	-3.167	+0.0025	18	Bs.	7	11.84	+8.317	11.84	+8.184	-0.0021
2	Br.	8	6.59	-3.271	6.59	-3.151	+0.0026	19	Bs.	5	11.16	+8.280	13.52	+8.179	-0.0021
4	Hi.	6	8.83	-3.133	8.83	-3.013	+0.0025	19	Ei.	8	14.99	+8.199			
5	Bs.	4	6.95	-2.822	11.79	-2.959	+0.0027	20	Br.	4	11.00	+8.042	11.00	+8.162	-0.0022
5	Ei.	7	10.36	-2.953				23	Bs.	6	11.02	+8.103	11.02	+7.970	-0.0021
5	Br.	7	15.99	-3.089				24	Br.	8	10.75	+7.855	12.60	+7.969	-0.0022
								24	Ei.	7	14.71	+7.963			

Relative personal equation correction: Ei.—0.000; Br.—+0.120; Hi.—+0.120; Bs.—-0.133.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1906			h	s	h	s	s	1906			h	s	h	s	s
Apr. 27	Br.	8	11.76	+7.708	14.67	+7.806	-0.0023	Aug. 23	Ei.	7	19.26	+4.134	22.24	+4.131	+0.0003
27	Bs.	7	17.99	+7.914				23	Br.	6	1.72	+4.008			
30	Bs.	7	11.23	+7.769	14.35	+7.633	-0.0024	30	Ei.	3	18.37	+4.110	23.27	+4.093	-0.0016
30	Br.	6	17.98	+7.510				30	Br.	6	1.72	+3.965			
May 1	Br.	9	11.40	+7.483	11.40	+7.603	-0.0025	31	Ei.	4	18.32	+4.055	19.38	+4.052	-0.0019
2	Bs.	8	11.70	+7.675	11.70	+7.542	-0.0025	31	Br.	5	20.22	+3.930			
3	Br.	5	17.92	+7.358	17.92	+7.478	-0.0024	Sept. 2	Hi.	5	0.32	+3.836	0.32	+3.956	-0.0024
4	Br.	6	11.83	+7.328	14.90	+7.392	-0.0024	3	Hi.	7	22.26	+3.790	22.26	+3.910	-0.0025
4	Bs.	9	16.94	+7.487				4	Br.	6	20.02	+3.707	22.18	+3.843	-0.0027
21	Ei.	4	15.00	+6.738	15.00	+6.738	-0.0022	4	P.	4	1.42	+3.848			
29	Ei.	4	15.00	+6.445	15.00	+6.445	-0.0017	5	P.	5	20.46	+3.782	23.85	+3.800	-0.0029
June 8	Br.	2	15.75	+5.935	15.75	+6.055	-0.0014	5	Hi.	6	2.68	+3.678			
11	Ei.	8	16.50	+5.912	16.50	+5.912	-0.0013	8	Ei.	11	21.03	+3.745	21.03	+3.745	-0.0025
22	Ei.	8	16.55	+5.444	16.55	+5.444	-0.0005	7	Ei.	8	21.20	+3.628	21.20	+3.628	-0.0023
24	Hi.	6	18.73	+5.217	18.73	+5.337	-0.0007	8	Ei.	9	20.94	+3.566	20.94	+3.566	-0.0021
25	Ei.	11	18.02	+5.296	18.02	+5.296	-0.0007	9	Hi.	5	2.52	+3.362	2.52	+3.482	-0.0018
27	Hi.	7	20.87	+5.151	20.87	+5.271	-0.0011	10	P.	3	4.10	+3.407	4.10	+3.427	-0.0016
28	Br.	2	20.00	+5.070	20.00	+5.190	-0.0012	11	Ei.	4	19.70	+3.402	19.70	+3.402	-0.0016
29	Ei.	11	19.65	+5.201	19.65	+5.201	-0.0014	14	Hi.	4	18.52	+3.298	18.52	+3.418	-0.0025
30	Ei.	6	16.78	+5.197	16.78	+5.197	-0.0012	18	P.	4	18.52	+3.152	18.52	+3.172	-0.0026
July 1	Hi.	6	21.62	+4.982	21.62	+5.102	-0.0009	19	Hi.	4	18.52	+3.032	23.51	+3.084	-0.0021
2	Br.	2	21.55	+4.965	21.55	+5.085	-0.0007	19	Ei.	9	21.23	+3.077			
5	Ei.	8	16.96	+4.995	16.96	+4.995	-0.0013	19	P.	10	3.56	+3.044			
6	Bs.	7	21.26	+5.060	21.26	+4.927	-0.0015	20	Ei.	14	22.69	+3.002	0.33	+3.017	-0.0014
7	Ei.	8	18.76	+4.936	18.76	+4.936	-0.0017	20	Hi.	6	4.17	+2.932			
9	Hi.	6	19.97	+4.780	19.97	+4.900	-0.0019	21	Hi.	6	20.13	+2.923	22.60	+3.005	-0.0010
19	Bs.	5	17.70	+4.580	17.70	+4.447	-0.0011	21	P.	8	0.45	+2.956			
21	Bs.	5	17.66	+4.538	17.66	+4.405	-0.0006	24	Hi.	4	18.95	+2.872	0.32	+2.916	-0.0028
26	Bs.	5	18.12	+4.550	18.12	+4.417	-0.0020	24	Ei.	13	22.59	+2.915			
28	Bs.	6	17.92	+4.422	17.92	+4.289	-0.0019	24	P.	10	4.72	+2.868			
Aug. 4	Hi.	4	19.62	+3.998	19.62	+4.118	-0.0002	25	P.	4	19.52	+2.892	22.09	+2.874	-0.0035
11	Hi.	4	19.22	+4.018	19.22	+4.138	+0.0001	25	Ei.	11	23.02	+2.860			
15	Ei.	7	18.89	+4.081	20.39	+4.109	0.0000	29	Hi.	3	20.13	+2.390	20.13	+2.510	-0.0043
15	Hi.	5	22.50	+4.028				Oct. 6	Ei.	8	23.24	+1.590	1.56	+1.595	-0.0050
19	Hi.	6	22.80	+3.978	22.80	+4.098	+0.0003	6	Hi.	6	4.65	+1.482			
22	Hi.	5	1.30	+4.026	1.30	+4.146	+0.0003	7	Hi.	8	3.44	+1.351	3.44	+1.471	-0.0052
								8	Hi.	4	19.88	+1.225	22.97	+1.374	-0.0052
								8	Ei.	11	0.10	+1.385			
								11	Br.	7	20.13	+0.910	0.52	+1.048	-0.0055
								11	Ei.	11	0.47	+1.070			
								11	Hi.	6	5.72	+0.910			
								12	Hi.	5	21.34	+0.848	23.44	+0.984	-0.0054
								12	Ei.	8	0.76	+0.994			

Relative personal equation correction: Ei.=0.000; Hi.=+0.120; Bs.= -0.133; Br.=+0.120; P.=+0.020

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1906			h	s	h	s	s	1907			h	s	h	s	s
Oct. 13	P. Ei.	6	21. 95	+ 0. 803	22. 46	+ 0. 819	-0. 0054	May 27	Ei. P.	5	14. 42	+10. 854	15. 02	+10. 936	+0. 0040
13		8	22. 84	+ 0. 816				27		6	15. 52	+10. 925			
14	Hi.	8	2. 75	+ 0. 558	2. 75	+ 0. 678	-0. 0054	28	M. P.	6	13. 52	+10. 952	16. 51	+10. 998	+0. 0039
15	Hi.	8	21. 78	+ 0. 382	23. 59	+ 0. 496	-0. 0054	28		7	19. 07	+10. 977			
15	Ei.	7	1. 14	+ 0. 491				29	M.	6	19. 15	+11. 108	19. 15	+11. 108	+0. 0038
23	Hi.	8	21. 37	- 0. 563	21. 37	- 0. 443	-0. 0053	May 30.3 new clock in circuit.							
25	Hi.	4	23. 22	- 0. 795	0. 77	- 0. 688	-0. 0053	30	M.	4	12. 80	+12. 830	12. 80	+12. 830	-0. 0003
25	Ei.	8	1. 54	- 0. 695				June 3	M. P.	7	14. 29	+12. 770	16. 62	+12. 774	-0. 0007
1907								3		7	18. 94	+12. 716			
Apr. 17	Ei. P.	8	9. 40	+ 5. 970	10. 79	+ 5. 999	+0. 0064	5	M.	6	14. 08	+12. 727	14. 08	+12. 727	-0. 0008
17		7	12. 37	+ 5. 947				6	P.	6	14. 18	+12. 685	17. 16	+12. 713	-0. 0008
18	M.	8	10. 28	+ 6. 140	10. 28	+ 6. 140	+0. 0063	6	M.	7	19. 71	+12. 684			
19	Hi. P.	6	11. 07	+ 6. 150	14. 00	+ 6. 234	+0. 0063	8	P.	8	14. 74	+12. 640	14. 74	+12. 701	-0. 0011
19		6	16. 92	+ 6. 190				14	M. P.	7	15. 80	+12. 443	17. 82	+12. 438	-0. 0013
20	P.	7	10. 48	+ 6. 304	10. 48	+ 6. 365	+0. 0062	14		7	19. 84	+12. 371			
21	Hi.	9	10. 40	+ 6. 433	13. 31	+ 6. 525	+0. 0061	15	P.	7	15. 14	+12. 323	15. 14	+12. 384	-0. 0013
21	M.	6	17. 68	+ 6. 563				16	M.	7	19. 97	+12. 349	19. 97	+12. 349	-0. 0013
24	P.	8	11. 17	+ 6. 898	14. 27	+ 6. 964	+0. 0060	17	Ei. P.	6	16. 82	+12. 252	18. 35	+12. 315	-0. 0016
24	M.	8	17. 37	+ 6. 970				17		7	19. 67	+12. 290			
25	M.	7	10. 69	+ 7. 051	13. 92	+ 7. 058	+0. 0059	19	P.	7	20. 34	+12. 174	20. 34	+12. 235	-0. 0019
25	Hi.	7	17. 16	+ 6. 999				20	P.	7	15. 31	+12. 164	15. 31	+12. 225	-0. 0019
29	M.	7	14. 17	+ 7. 683	14. 17	+ 7. 683	+0. 0057	21	M. P.	7	15. 59	+12. 163	17. 94	+12. 175	-0. 0022
30	Hi.	5	12. 34	+ 7. 738	12. 34	+ 7. 804	+0. 0056	21		7	20. 30	+12. 126			
May 4	P. Hi.	7	11. 50	+ 8. 314	14. 78	+ 8. 396	+0. 0054	22	P.	8	15. 71	+12. 026	15. 71	+12. 087	-0. 0023
4		7	18. 06	+ 8. 351				23	P.	7	15. 59	+11. 983	15. 59	+12. 044	-0. 0025
9	M. Ei. Hi.	4	12. 90	+ 9. 112	15. 15	+ 9. 146	+0. 0050	24	M. Hi.	6	15. 63	+11. 922	18. 34	+11. 917	-0. 0029
9		4	12. 62	+ 9. 110				24		9	20. 14	+11. 847			
9	Hi.	6	18. 33	+ 9. 113				25	P.	8	20. 46	+11. 859	20. 46	+11. 920	-0. 0032
11	P.	7	11. 87	+ 9. 357	11. 87	+ 9. 418	+0. 0049	26	Hi.	6	20. 40	+11. 648	20. 40	+11. 714	-0. 0035
12	M.	7	18. 37	+ 9. 556	18. 37	+ 9. 556	+0. 0049	27	Hi. P.	6	16. 22	+11. 602	18. 90	+11. 700	-0. 0038
13	M. Hi.	7	12. 70	+ 9. 637	15. 76	+ 9. 629	+0. 0048	27		9	20. 69	+11. 661			
13		7	18. 39	+ 9. 557				30	P.	8	21. 09	+11. 411	21. 09	+11. 472	-0. 0036
14	Hi. P.	7	12. 89	+ 9. 657	15. 17	+ 9. 740	+0. 0047	July 3	P.	9	18. 27	+11. 137	18. 27	+11. 198	-0. 0039
14		6	17. 83	+ 9. 698				4	Hi.	8	21. 20	+10. 978	21. 20	+11. 044	-0. 0039
17	Hi.	9	13. 38	+ 9. 922	13. 38	+ 9. 988	+0. 0046	5	Hi. M.	6	18. 08	+10. 935	19. 47	+10. 974	-0. 0037
18	P.	7	12. 76	+10. 063	12. 76	+10. 124	+0. 0045	5		7	20. 66	+10. 950			
19	M.	8	17. 48	+10. 122	17. 48	+10. 122	+0. 0044	7	Hi.	9	21. 30	+10. 706	21. 30	+10. 772	-0. 0031
20	M. Hi.	7	12. 86	+10. 206	15. 84	+10. 222	+0. 0044	8	Hi. M.	7	17. 60	+10. 677	19. 64	+10. 744	-0. 0027
20		7	18. 83	+10. 173				8		7	21. 67	+10. 744			
21	Hi.	8	13. 68	+10. 288	13. 68	+10. 354	+0. 0043								
23	M.	5	12. 82	+10. 546	12. 82	+10. 546	+0. 0042								

Relative personal equation correction to Nov. 1: Ei.=0.000; Br.=+0.120; Hi.=+0.120; Bs.=+0.133; P.=+0.020; after Apr. 1: M.=0.000; Hi.=+0.066; P.=+0.061; Ei.=+0.021.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1907 July 12	HI.	5	^h 20.84	^s +10.488	^h 20.84	^s +10.554	^m -0.0022	1907 Aug. 22	P.	8	^h 18.44	^m +8.412	^h 18.44	^s +8.473	^s -0.0032
14	HI.	4	18.75	+10.390	18.75	+10.456	-0.0025	24	P.	7	1.33	+8.204	1.33	+8.265	-0.0038
16	Ei.	8	18.50	+10.348	20.04	+10.374	-0.0023	25	HI.	7	0.00	+8.066	0.00	+8.132	-0.0041
16	HI.	8	21.58	+10.314				26	HI.	7	18.77	+8.056	22.43	+8.111	-0.0041
19	M.	5	17.06	+10.254	17.06	+10.254	-0.0016	26	P.	7	2.09	+8.039			
20	M.	6	17.23	+10.255	17.23	+10.255	-0.0016	29	M.	7	18.64	+7.689	22.32	+7.707	-0.0047
21	HI.	9	18.60	+10.146	20.30	+10.217	-0.0013	29	HI.	7	2.01	+7.659			
21	M.	7	22.49	+10.224				30	HI.	6	19.60	+7.513	23.41	+7.573	-0.0050
22	HI.	6	22.65	+10.085	22.65	+10.151	-0.0011	30	M.	8	2.26	+7.569			
23	HI.	8	17.50	+10.089	19.24	+10.159	-0.0008	31	M.	6	19.03	+7.475	19.03	+7.475	-0.0053
23	P.	8	20.99	+10.102				Sept. 5	HI.	6	23.73	+6.808	23.73	+6.874	-0.0041
25	Ei.	7	18.14	+10.116	20.68	+10.098	-0.0001	6	HI.	7	19.37	+6.751	23.38	+6.811	-0.0044
25	HI.	8	22.90	+9.998				6	M.	8	2.88	+6.806			
26	HI.	5	17.72	+10.056	21.21	+10.153	-0.0001	7	M.	6	19.00	+6.723	19.00	+6.723	-0.0046
26	P.	8	23.39	+10.111				10	Ei.	4	18.90	+6.435	23.14	+6.435	-0.0048
27	P.	9	17.74	+10.151	17.74	+10.212	-0.0006	10	HI.	6	1.97	+6.355			
29	M.	6	18.60	+10.025	21.49	+10.027	-0.0015	11	HI.	7	19.83	+6.300	23.52	+6.366	-0.0045
29	HI.	8	23.66	+9.962				11	M.	7	3.20	+6.367			
30	Ei.	4	17.00	+10.032	20.66	+10.029	-0.0016	12	M.	8	19.88	+6.279	22.75	+6.276	-0.0043
30	HI.	8	19.49	+9.948				12	HI.	5	3.34	+6.204			
30	P.	8	23.65	+9.972				13	HI.	8	19.78	+6.091	23.34	+6.149	-0.0046
31	P.	7	18.09	+9.954	18.09	+10.015	-0.0016	13	P.	7	3.40	+6.079			
Aug 1	HI.	8	23.01	+9.791	23.01	+9.857	-0.0016	14	P.	8	19.78	+6.039	19.78	+6.100	-0.0048
2	P.	6	22.93	+9.797	22.93	+9.858	-0.0016	15	HI.	8	19.82	+5.886	23.32	+5.939	-0.0052
4	HI.	5	22.94	+9.656	22.94	+9.722	-0.0023	15	M.	7	3.31	+5.924			
6	P.	8	18.49	+9.575	20.02	+9.638	-0.0025	16	M.	8	19.72	+5.796	22.06	+5.775	-0.0054
6	HI.	8	21.55	+9.575				16	HI.	7	0.74	+5.684			
7	HI.	8	19.50	+9.474	21.80	+9.544	-0.0028	20	P.	13	21.17	+5.318	21.17	+5.379	-0.0052
7	P.	8	0.11	+9.488				21	M.	8	19.65	+5.170	22.66	+5.174	-0.0053
8	P.	8	18.52	+9.460	18.52	+9.521	-0.0029	21	P.	8	22.71	+5.100			
11	HI.	8	0.22	+9.182	0.22	+9.248	-0.0029	21	HI.	7	2.04	+5.117			
12	HI.	8	18.50	+9.148	21.58	+9.202	-0.0030	23	M.	6	20.00	+4.995	0.14	+4.953	-0.0048
12	P.	8	0.65	+9.128				23	HI.	6	4.28	+4.845			
13	P.	7	18.41	+9.117	21.31	+9.122	-0.0030	24	P.	7	3.93	+4.894	3.93	+4.955	-0.003
13	HI.	7	0.21	+9.001				25	P.	8	20.26	+4.941	23.89	+5.002	-0.0019
14	HI.	4	18.20	+9.022	22.37	+9.088	-0.0030	25	M.	6	4.72	+5.003			
14	P.	7	0.76	+9.027				26	M.	7	20.06	+5.031	23.78	+5.025	-0.0015
15	P.	7	19.14	+8.944	19.14	+9.005	-0.0030	26	HI.	7	3.49	+4.953			
18	P.	8	18.65	+8.746	21.78	+8.734	-0.0034	27	HI.	5	19.76	+4.958	0.65	+4.997	-0.0020
18	HI.	8	0.90	+8.594				27	P.	8	3.70	+4.919			
20	P.	7	18.59	+8.513	21.83	+8.532	-0.0034	29	M.	6	21.75	+4.860	21.75	+4.860	-0.0032
20	HI.	7	1.07	+8.423				30	M.	7	20.67	+4.790	0.92	+4.785	-0.0036
								30	HI.	7	5.17	+4.714			

Relative personal equation correction: M. = -0.000; HI. = +0.006; P. = +0.061; Ei. = +0.021.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1907 Oct.			^h	^s	^h	^s	^s	1907 Nov.			^h	^s	^h	^s	^s
1	HI.	7	21. 10	+4. 653	1. 20	+4. 732	-0. 0035	4	Ei.	4	22. 35	+2. 072	2. 17	+2. 097	-0. 0019
1	P.	7	4. 71	+4. 683				4	M.	6	23. 07	+2. 088			
								4	HI.	7	7. 00	+2. 041			
2	P.	7	21. 40	+4. 534	1. 06	+4. 614	-0. 0037	5	HI.	5	23. 06	+1. 958	3. 74	+2. 028	-0. 0019
2	M.	7	4. 71	+4. 633				5	P.	7	7. 09	+1. 970			
3	P.	7	21. 16	+4. 473	21. 16	+4. 534	-0. 0037	7	M.	7	23. 56	+1. 924	2. 41	+1. 946	-0. 0017
4	P.	7	5. 36	+4. 376	5. 36	+4. 437	-0. 0036	7	HI.	4	7. 40	+1. 918			
5	P.	7	21. 16	+4. 346	21. 16	+4. 407	-0. 0037	8	P.	7	8. 40	+1. 863	8. 40	+1. 924	-0. 0014
II	M.	7	5. 31	+4. 299	5. 31	+4. 299	-0. 0038	10	M.	7	8. 30	+1. 799	8. 30	+1. 799	-0. 0012
8	P.	7	21. 34	+4. 060	1. 46	+4. 102	-0. 0039	11	M.	7	22. 80	+1. 791	22. 80	+1. 791	-0. 0012
8	M.	7	5. 57	+4. 084				13	P.	7	23. 61	+1. 673	4. 29	+1. 763	-0. 0007
9	M.	7	21. 16	+4. 029	1. 38	+4. 004	-0. 0040	13	M.	8	8. 38	+1. 788			
9	P.	7	5. 59	+3. 919				14	M.	8	0. 08	+1. 746	3. 91	+1. 771	-0. 0007
10	HI.	8	5. 50	+3. 804	5. 50	+3. 870	-0. 0040	14	HI.	7	8. 29	+1. 733			
12	M.	7	21. 39	+3. 730	21. 39	+3. 730	-0. 0037	15	HI.	7	23. 66	+1. 713	4. 14	+1. 763	-0. 0005
13	HI.	5	21. 30	+3. 502	1. 85	+3. 570	-0. 0037	15	P.	7	8. 61	+1. 686			
13	M.	6	5. 65	+3. 572				16	P.	7	23. 61	+1. 671	23. 61	+1. 732	-0. 0005
14	M.	7	21. 09	+3. 480	1. 34	+3. 482	-0. 0037	17	HI.	8	23. 40	+1. 622	23. 40	+1. 688	-0. 0003
14	HI.	7	5. 59	+3. 419				19	HI.	7	2. 77	+1. 554	2. 77	+1. 620	-0. 0002
15	HI.	7	21. 04	+3. 326	1. 38	+3. 378	-0. 0036	24	M.	8	9. 68	+1. 675	9. 68	+1. 675	+0. 0009
15	P.	7	5. 73	+3. 304				25	M.	8	0. 51	+1. 669	2. 59	+1. 670	+0. 0011
16	P.	7	20. 89	+3. 256	1. 80	+3. 318	-0. 0036	25	P.	3	8. 13	+1. 610			
16	M.	8	6. 09	+3. 319				26	P.	7	3. 16	+1. 623	6. 33	+1. 710	+0. 0009
17	M.	9	21. 08	+3. 241	1. 41	+3. 238	-0. 0036	26	HI.	7	9. 50	+1. 669			
17	HI.	8	6. 28	+3. 169				27	HI.	5	23. 04	+1. 656	4. 58	+1. 711	+0. 0008
18	HI.	8	0. 70	+3. 086	3. 24	+3. 175	-0. 0035	27	M.	5	10. 12	+1. 700			
18	P.	7	6. 14	+3. 140				28	HI.	7	5. 40	+1. 654	5. 40	+1. 720	+0. 0006
19	P.	7	23. 11	+3. 033	23. 11	+3. 094	-0. 0034	29	HI.	8	0. 15	+1. 699	4. 56	+1. 761	+0. 0005
20	HI.	5	2. 36	+2. 884	4. 77	+2. 982	-0. 0033	29	P.	7	9. 61	+1. 696			
20	M.	6	6. 77	+3. 008				30	P.	7	0. 16	+1. 667	0. 16	+1. 728	+0. 0007
21	M.	7	22. 93	+2. 940	1. 96	+2. 943	-0. 0033	Dec. 2	M.	7	0. 24	+1. 787	0. 24	+1. 787	+0. 0011
21	HI.	7	5. 00	+2. 880				4	M.	6	10. 53	+1. 888	10. 53	+1. 888	+0. 0016
22	HI.	7	1. 51	+2. 754	1. 51	+2. 820	-0. 0032	5	HI.	7	8. 44	+1. 921	8. 44	+1. 987	+0. 0018
23	P.	8	23. 11	+2. 676	2. 35	+2. 765	-0. 0032	6	HI.	7	1. 16	+1. 923	5. 74	+1. 986	+0. 0018
23	M.	6	6. 67	+2. 802				II	P.	7	10. 31	+1. 921			
24	M.	6	23. 38	+2. 740	3. 28	+2. 722	-0. 0032	7	P.	7	1. 14	+1. 916	1. 14	+1. 977	+0. 0018
24	P.	7	6. 63	+2. 646				8	M.	6	10. 17	+2. 088	10. 17	+2. 088	+0. 0020
25	P.	7	23. 29	+2. 563	1. 76	+2. 630	-0. 0030	10	HI.	5	6. 20	+2. 138	6. 20	+2. 204	0. 00
25	HI.	7	4. 23	+2. 570				11	Ei.	4	0. 95	+2. 398	5. 25	+2. 471	+0. 0037
29	HI.	8	23. 20	+2. 312	2. 84	+2. 401	-0. 0023	11	M.	6	2. 22	+2. 438			
29	P.	7	7. 00	+2. 366				11	HI.	7	10. 31	+2. 464			
30	P.	8	23. 05	+2. 268	2. 63	+2. 336	-0. 0023								
30	M.	7	6. 73	+2. 344											

Relative personal equation correction: M. = 0.000; HI. = +0.066; P. = +0.061; Ei. = +0.021.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1907 Dec. 12	HI.	7	^h 2.06	^s + 2.486	^h 2.06	^s + 2.552	^s +0.0037	1908 Jan. 16	HI.	6	^h 5.68	^s + 6.475	^h 7.40	^s + 6.554	^s +0.0054
			Dec. 12.5 new clock in circuit.					16	P.	7	^h 8.90	^s + 6.504			
12	M.	9	10.62	+12.640	10.62	+12.640	+0.003	17	P.	7	4.39	+ 6.586	6.25	+ 6.675	+0.0054
14	HI.	6	3.30	+12.683	3.30	+12.749	+0.003	17	M.	7	8.11	+ 6.703			
15	M.	4	11.85	+12.808	11.85	+12.808	+0.003	18	M.	7	4.37	+ 6.794	6.24	+ 6.770	+0.0055
18	P.	9	2.38	+12.970	4.80	+13.074	+0.003	18	P.	7	8.10	+ 6.684			
18	M.	7	7.90	+13.129				19	HI.	8	11.19	+ 6.910	11.19	+ 6.976	+0.0055
			Dec. 19.0 new clock in circuit.					20	HI.	7	2.81	+ 6.963	2.81	+ 7.029	+0.0055
19	M.	7	2.17	+ 3.289	5.08	+ 3.341	+0.0041	21	P.	7	12.09	+ 7.131	12.09	+ 7.192	+0.0056
19	HI.	7	7.99	+ 3.327				22	P.	7	4.23	+ 7.191	7.66	+ 7.270	+0.0056
20	HI.	2	0.95	+ 3.360	8.42	+ 3.495	+0.0041	22	M.	5	12.46	+ 7.296			
20	P.	8	10.29	+ 3.451				24	HI.	8	4.10	+ 7.520	5.64	+ 7.614	+0.0057
21	P.	7	1.49	+ 3.451	5.34	+ 3.538	+0.0041	24	P.	7	7.39	+ 7.584			
21	HI.	7	9.19	+ 3.498				25	HI.	7	4.30	+ 7.666	7.91	+ 7.736	+0.0058
23	M.	8	2.19	+ 3.748	2.19	+ 3.748	+0.0042	25	M.	7	7.29	+ 7.760			
24	HI.	8	6.00	+ 3.772	8.45	+ 3.870	+0.0043	25	P.	7	12.13	+ 7.654			
24	P.	9	10.09	+ 3.831				27	P.	9	4.50	+ 7.934	4.50	+ 7.995	+0.0059
25	M.	6	11.78	+ 3.958	11.78	+ 3.958	+0.0043	29	P.	7	4.77	+ 8.206	4.77	+ 8.267	+0.0060
27	P.	7	11.60	+ 4.107	11.60	+ 4.168	+0.0044	30	M.	6	4.97	+ 8.398	4.66	+ 8.382	+0.0060
28	P.	7	5.39	+ 4.223	5.39	+ 4.284	+0.0045	30	Ei.	6	4.35	+ 8.345			
30	M.	7	12.79	+ 4.530	12.79	+ 4.530	+0.0046	Feb. 1	P.	8	4.76	+ 8.648	4.76	+ 8.709	+0.0061
31	M.	7	2.16	+ 4.564	2.16	+ 4.564	+0.0046	3	P.	10	5.11	+ 8.984	5.11	+ 9.045	+0.0062
1908 Jan. 2	M.	7	2.16	+ 4.787	2.16	+ 4.787	+0.0047	4	P.	10	5.06	+ 9.136	5.06	+ 9.197	+0.0063
3	P.	7	2.43	+ 4.870	2.43	+ 4.931	+0.0047	6	P.	8	4.41	+ 9.434	4.41	+ 9.495	+0.0064
5	M.	6	12.18	+ 5.208	12.18	+ 5.208	+0.0049	7	P.	9	6.76	+ 9.551	6.76	+ 9.612	+0.0064
6	M.	7	2.30	+ 5.309	2.30	+ 5.309	+0.0049	8	P.	7	13.61	+ 9.797	13.61	+ 9.858	+0.0065
7	P.	7	12.10	+ 5.390	12.10	+ 5.451	+0.0049	9	HI.	7	5.90	+ 9.966	5.90	+10.032	+0.0065
8	M.	6	12.28	+ 5.577	12.28	+ 5.577	+0.0050	12	P.	8	5.98	+10.349	5.98	+10.410	+0.0067
9	M.	7	2.30	+ 5.637	7.24	+ 5.676	+0.0050	16	M.	6	11.62	+11.175	11.62	+11.175	+0.0068
9	P.	7	12.17	+ 5.654				17	Ei.	4	6.38	+11.268	8.99	+11.342	+0.0069
10	P.	7	2.44	+ 5.677	7.54	+ 5.754	+0.0051	17	M.	5	7.48	+11.358			
10	M.	7	12.64	+ 5.769				17	HI.	7	11.56	+11.296			
12	P.	7	4.54	+ 5.904	7.85	+ 6.000	+0.0052	19	P.	7	6.71	+11.516	6.71	+11.577	+0.0070
12	M.	4	13.65	+ 6.060				20	M.	7	8.11	+11.881	10.69	+11.880	+0.0070
14	P.	10	3.27	+ 6.213	6.93	+ 6.271	+0.0053	20	HI.	6	13.70	+11.812			
14	M.	7	12.17	+ 6.267				21	HI.	5	7.82	+12.002	12.30	+12.023	+0.0071
15	M.	7	2.40	+ 6.354	3.69	+ 6.348	+0.0053	21	P.	9	14.79	+11.937			
15	Ei.	4	2.10	+ 6.270				24	M.	6	8.03	+12.533	11.43	+12.561	+0.0072
15	HI.	7	5.90	+ 6.309				24	HI.	5	15.52	+12.528			
								26	P.	8	9.22	+12.754	11.71	+12.864	+0.0073
								26	M.	8	15.02	+12.930			

Relative personal equation correction: M.=+0.000; HI.=+0.066; P.=+0.061; Ei.=+0.021.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1908			^h	^s	^h	^s	^s	1908			^h	^s	^h	^s	^s
Feb. 28	HL.	6	7. 60	+13. 210	7. 60	+13. 276	+0. 0074	Apr. 13	M. Fk.	5	8. 72	+21. 768	13. 40	+21. 808	+0. 0081
Mar. 2	HL.	9	14. 14	+13. 754	14. 14	+13. 820	+0. 0075	13		7	16. 74	+21. 760			
3	HL.	7	8. 19	+13. 996	11. 00	+14. 008	+0. 0076	16	M. Fk.	6	12. 93	+22. 385	15. 34	+22. 394	+0. 0081
3	P.	7	13. 80	+13. 894				16		7	17. 41	+22. 323			
4	P.	7	9. 60	+14. 053	11. 63	+14. 154	+0. 0076	17	P.	6	16. 57	+22. 523	16. 57	+22. 584	+0. 0085
4	M.	6	14. 00	+14. 200				19	M.	7	16. 86	+23. 011	16. 86	+23. 011	+0. 0088
7	P.	7	9. 50	+14. 583	9. 50	+14. 644	+0. 0078	20	M. P.	7	13. 64	+23. 217	15. 45	+23. 212	+0. 0088
9	M.	7	9. 73	+15. 103	12. 28	+15. 134	+0. 0079	20		7	17. 26	+23. 147			
9	HL.	7	14. 84	+15. 100				21	P. Fk.	8	13. 34	+23. 318	15. 19	+23. 422	+0. 0088
10	HL.	7	8. 51	+15. 244	11. 68	+15. 282	+0. 0079	21		8	17. 04	+23. 386			
10	P.	7	14. 86	+15. 193				22	Fk.	9	13. 69	+23. 524	13. 69	+23. 602	+0. 0088
11	P.	4	7. 62	+15. 362	7. 62	+15. 423	+0. 0080	30	P.	7	18. 00	+25. 173	18. 00	+25. 271	+0. 0080
12	HL.	7	9. 73	+15. 614	11. 36	+15. 672	+0. 0080	May 1	P. Fk.	7	13. 29	+25. 331	14. 95	+25. 458	+0. 0080
12	M.	7	13. 00	+15. 664				1		6	16. 88	+25. 413			
13	Ei.	4	8. 62	+15. 782	12. 13	+15. 807	+0. 0081	2	Fk.	6	13. 30	+25. 578	13. 30	+25. 656	+0. 0080
13	M.	5	9. 52	+15. 828				9	Fk.	5	12. 33	+26. 932	12. 33	+27. 010	+0. 0079
13	P.	7	15. 99	+15. 733				10	P. M.	7	13. 49	+27. 151	15. 10	+27. 265	+0. 0079
14	P.	7	9. 73	+15. 856	9. 73	+15. 917	+0. 0081	10		6	16. 98	+27. 283			
15	HL.	7	11. 17	+16. 129	11. 17	+16. 195	+0. 0081	11	M.	7	13. 47	+27. 399	13. 47	+27. 399	+0. 0079
17	P.	9	13. 67	+16. 488	13. 67	+16. 549	+0. 0083	12	P.	12	13. 19	+27. 511	13. 19	+27. 609	+0. 0079
20	P.	7	15. 87	+17. 084	15. 87	+17. 145	+0. 0079	17	P. M.	8	13. 55	+28. 416	15. 47	+28. 505	+0. 0071
21	P.	7	9. 50	+17. 207	12. 15	+17. 290	+0. 0079	17		7	17. 67	+28. 494			
21	Fk.	6	15. 25	+17. 238				18	M.	7	13. 29	+28. 727	13. 29	+28. 727	+0. 0071
24	Fk.	7	9. 97	+17. 753	13. 00	+17. 901	+0. 0079	20	Fk.	6	13. 47	+28. 945	13. 47	+29. 023	+0. 0064
24	P.	8	15. 65	+17. 902				22	P.	6	12. 62	+29. 172	12. 62	+29. 270	+0. 0063
25	P.	7	10. 27	+17. 993	13. 04	+18. 096	+0. 0082	23	M.	6	13. 37	+29. 432	15. 79	+29. 441	+0. 0059
25	M.	7	15. 81	+18. 139				23	P.	7	17. 86	+29. 351			
26	M.	5	11. 14	+18. 282	11. 14	+18. 282	+0. 0082	24	M.	7	17. 97	+29. 613	17. 97	+29. 613	+0. 0059
27	Ei.	4	8. 62	+18. 462	12. 48	+18. 505	+0. 0082	25	M. P.	7	13. 56	+29. 783	16. 28	+29. 762	+0. 0056
27	M.	5	9. 57	+18. 510				25		7	18. 99	+29. 644			
27	Fk.	6	12. 73	+18. 390				26	Fk.	8	18. 82	+29. 931	18. 82	+30. 009	+0. 0052
27	P.	10	15. 63	+18. 471				27	Fk. M.	7	13. 84	+30. 071	16. 50	+30. 136	+0. 0063
Apr. 3	Fk.	6	12. 88	+19. 757	14. 41	+19. 861	+0. 0082	27		8	18. 82	+30. 124			
3	P.	8	15. 56	+19. 821				28	M. P.	7	13. 84	+30. 231	16. 12	+30. 244	+0. 0063
4	P.	7	13. 17	+19. 944	13. 17	+20. 005	+0. 0082	28		7	18. 39	+30. 160			
6	M.	5	8. 56	+20. 408	12. 82	+20. 410	+0. 0085	31	Fk.	7	16. 11	+30. 637	16. 11	+30. 715	+0. 0062
6	Fk.	7	15. 87	+20. 333				June 1	Fk. P.	7	14. 10	+30. 819	16. 54	+30. 880	+0. 0061
7	Fk.	6	12. 48	+20. 455	12. 48	+20. 533	+0. 0085	1		7	18. 99	+30. 766			
9	M.	5	8. 60	+20. 992	12. 46	+21. 006	+0. 0085	2	P. Fk.	7	14. 04	+30. 886	16. 56	+31. 009	+0. 0060
9	Fk.	5	16. 32	+20. 942				2		7	19. 09	+30. 956			
11	P.	7	11. 19	+21. 287	11. 19	+21. 348	+0. 0081								
12	Fk.	8	11. 61	+21. 489	11. 61	+21. 567	+0. 0081								

Relative personal equation correction to Apr. 25: M.=0.000; HL.=+0.066; P.=+0.061; Ei.=+0.021; Fk.=+0.078; after Apr. 25: M.=0.000; P.=+0.098; Fk.=+0.078.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1908			^h	^s	^h	^s	^s	1908			^h	^s	^h	^s	^s
June 4	M.	7	14. 36	+31. 220	16. 86	+31. 246	+0. 0056	July 10	P.	12	17. 48	+0. 882	19. 03	+1. 013	+0. 0016
4	P.	7	19. 36	+31. 173				10	Fk.	8	21. 35	+0. 985			
5	P.	7	14. 49	+31. 304	16. 44	+31. 424	+0. 0055	11	Fk.	7	17. 17	+0. 940	17. 17	+1. 018	+0. 0017
5	Fk.	6	18. 72	+31. 372				13	M.	6	17. 68	+1. 087	19. 83	+1. 080	+0. 0019
6	Fk.	7	14. 31	+31. 463	14. 31	+31. 541	+0. 0053	13	P.	9	21. 27	+0. 978			
7	P.	7	14. 31	+31. 537	16. 54	+31. 657	+0. 0052	15	Fk.	6	16. 88	+1. 180	19. 46	+1. 256	+0. 0022
7	M.	6	19. 15	+31. 683				15	M.	8	21. 40	+1. 256			
8	M.	7	14. 80	+31. 753	17. 18	+31. 750	+0. 0050	16	M.	7	17. 54	+1. 277	19. 75	+1. 296	+0. 0023
8	P.	7	19. 56	+31. 649				16	P.	9	21. 47	+1. 212			
9	P.	5	14. 10	+31. 780	14. 10	+31. 878	+0. 0049	17	P.	7	17. 19	+1. 186	17. 19	+1. 284	+0. 0024
11	M.	7	15. 31	+32. 147	17. 44	+32. 113	+0. 0047	18	P.	5	22. 70	+1. 258	22. 70	+1. 356	+0. 0025
11	P.	7	19. 56	+31. 981				20	M.	7	17. 30	+1. 496	19. 45	+1. 508	+0. 0028
12	P.	7	14. 80	+32. 070	17. 06	+32. 198	+0. 0045	20	P.	8	21. 34	+1. 421			
12	Fk.	7	19. 33	+32. 151				July 26.9 new clock in circuit.							
13	Fk.	7	15. 83	+32. 239	17. 58	+32. 202	+0. 0043	27	P.	12	17. 95	-3. 315	17. 95	-3. 217	0. 0000
13	P.	7	19. 33	+32. 186				28	Fk.	7	19. 24	-3. 343	20. 94	-3. 242	-0. 0003
14	P.	7	15. 91	+32. 294	15. 91	+32. 392	+0. 0042	28	P.	7	22. 64	-3. 317			
15	P.	8	19. 95	+32. 450	19. 95	+32. 548	+0. 0040	29	P.	7	19. 57	-3. 350	21. 04	-3. 257	-0. 0005
16	P.	7	15. 71	+32. 480	18. 22	+32. 604	+0. 0039	29	Fk.	8	22. 32	-3. 340			
16	Fk.	7	20. 74	+32. 551				30	Fk.	2	18. 00	-3. 315	21. 73	-3. 288	-0. 0005
17	Fk.	4	15. 22	+32. 605	15. 22	+32. 683	+0. 0038	30	P.	7	22. 80	-3. 400			
18	M.	7	15. 70	+32. 771	17. 84	+32. 770	+0. 0036	Aug. 1	Fk.	7	19. 24	-3. 387	19. 24	-3. 309	-0. 0008
18	P.	7	19. 97	+32. 671				2	P.	8	22. 94	-3. 488	22. 94	-3. 390	-0. 0009
19	P.	10	15. 67	+32. 751	15. 67	+32. 849	+0. 0035	3	P.	7	19. 24	-3. 474	20. 94	-3. 342	-0. 0010
20	Fk.	8	16. 61	+32. 896	18. 01	+32. 992	+0. 0033	3	Fk.	7	22. 64	-3. 386			
20	P.	7	19. 61	+32. 914				4	Fk.	7	19. 24	-3. 457	21. 35	-3. 383	-0. 0011
22	Fk.	7	20. 43	+33. 041	20. 43	+33. 119	+0. 0030	4	P.	8	23. 20	-3. 484			
23	Fk.	7	15. 70	+33. 094	17. 97	+33. 146	+0. 0028	7	P.	8	17. 58	-3. 521	17. 58	-3. 423	-0. 0015
23	M.	7	20. 24	+33. 119				9	Fk.	9	19. 09	-3. 576	20. 90	-3. 522	-0. 0017
26	M.	6	15. 87	+33. 323	18. 49	+33. 347	+0. 0024	9	P.	8	22. 94	-3. 646			
26	Fk.	7	20. 74	+33. 286				10	P.	7	19. 40	-3. 690	21. 02	-3. 594	-0. 0018
27	Fk.	7	16. 49	+33. 363	16. 49	+33. 441	+0. 0022	10	Fk.	7	22. 63	-3. 674			
28	M.	8	20. 42	+33. 416	20. 42	+33. 416	+0. 0020	11	Fk.	7	19. 96	-3. 703	19. 96	-3. 625	-0. 0018
29	M.	7	16. 36	+33. 481	16. 36	+33. 481	+0. 0018	12	Fk.	8	0. 29	-3. 744	0. 29	-3. 666	-0. 0020
July 1	M.	7	17. 19	+33. 640	18. 84	+33. 644	+0. 0014	13	P.	10	0. 64	-3. 840	0. 64	-3. 742	-0. 0021
1	Fk.	7	20. 50	+33. 569				15	Fk.	9	19. 03	-3. 902	22. 05	-3. 808	-0. 0023
July 5 new clock in circuit.								15	P.	8	1. 44	-3. 889			
5	M.	7	20. 41	+ 0. 861	20. 41	+ 0. 861	+0. 0010	18	P.	7	19. 40	-4. 133	19. 40	-4. 035	-0. 0026
6	M.	7	16. 69	+ 0. 861	19. 39	+ 0. 867	+0. 0011	19	Fk.	7	19. 17	-4. 166	19. 17	-4. 088	-0. 0027
6	P.	12	20. 96	+ 0. 772				20	P.	7	19. 27	-4. 197	22. 09	-4. 117	-0. 0028
8	Fk.	7	16. 66	+ 0. 886	18. 96	+ 0. 935	+0. 0013	20	Fk.	8	0. 55	-4. 211			
8	M.	7	21. 26	+ 0. 906				28	P.	13	21. 94	-4. 863	21. 94	-4. 765	-0. 0035
9	M.	6	16. 33	+ 0. 942	16. 33	+ 0. 942	+0. 0014								

Relative personal equation correction: M.—0.000; P.—+0.008; Fk.—+0.078.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1908 Aug. 29	M.	6	^h 19.45	^s -4.862	^h 20.32	^s -4.842	^s -0.0035	1908 Oct. 12	M.	7	^h 19.84	^s -1.783	^h 0.94	^s -1.746	^s -0.0018
29	Fk.	6	21.18	-4.900				12	P.	7	6.03	-1.807			
30	M.	7	1.80	-4.999	1.80	-4.999	-0.0036	13	P.	8	19.84	-1.876	0.22	-1.783	-0.0018
31	M.	7	19.40	-5.073	22.95	-5.086	-0.0037	13	M.	6	6.07	-1.790			
31	P.	8	2.06	-5.195				14	M.	7	19.84	-1.850	0.96	-1.839	-0.0017
Sept. 1	Fk.	8	2.35	-5.232	2.35	-5.154	-0.0039	14	P.	7	6.07	-1.926			
2	Fk.	11	20.05	-5.305	23.54	-5.240	-0.0041	15	P.	7	19.84	-1.983	0.79	-1.882	-0.0017
2	M.	9	1.87	-5.248				15	M.	7	5.74	-1.879			
3	M.	6	19.77	-5.372	19.77	-5.372	-0.0041	16	M.	6	19.83	-1.873	1.47	-1.902	-0.0016
								16	P.	8	5.70	-2.021			
			Sept. 3 new clock in circuit.					17	P.	7	20.14	-2.020	20.14	-1.922	-0.0016
3	P.	7	2.33	+0.004	2.33	+0.102	-0.0019	18	M.	11	5.28	-1.872	5.28	-1.872	-0.0015
4	M.	5	18.26	+0.066	18.26	+0.066	-0.0019	20	P.	7	20.47	-2.084	0.30	-1.983	-0.0015
5	P.	11	21.63	-0.113	21.63	-0.015	-0.0019	20	L.	5	5.66	-2.094			
7	M.	7	19.57	-0.077	22.96	-0.091	-0.0019	26	M.	7	20.57	-2.110	20.57	-2.110	-0.0012
7	P.	7	2.36	-0.203				27	P.	7	20.57	-2.317	20.57	-2.219	-0.0011
8	P.	8	23.09	-0.224	0.93	-0.108	-0.0019	29	P.	8	6.42	-2.380	6.42	-2.282	-0.0011
8	Fk.	7	3.03	-0.166				30	P.	7	20.87	-2.451	1.14	-2.339	-0.0010
9	Fk.	6	23.02	-0.198	23.02	-0.120	-0.0019	30	L.	6	6.10	-2.437			
10	P.	10	2.12	-0.295	2.12	-0.197	-0.0019	31	L.	7	20.79	-2.506	20.79	-2.391	-0.0010
11	M.	10	19.50	-0.217	22.00	-0.227	-0.0019	Nov. 1	P.	7	20.84	-2.434	1.34	-2.316	-0.0009
11	Fk.	7	1.57	-0.320				1	M.	6	6.58	-2.293			
12	P.	7	0.67	-0.397	0.67	-0.299	-0.0018	2	M.	6	20.75	-2.370	2.51	-2.352	-0.0009
14	M.	7	23.39	-0.356	1.50	-0.388	-0.0018	2	P.	6	8.27	-2.432			
14	P.	8	3.34	-0.514				3	P.	7	20.83	-2.511	2.79	-2.427	-0.0008
15	P.	7	23.46	-0.554	1.23	-0.450	-0.0018	3	L.	8	8.00	-2.554			
15	Fk.	11	3.30	-0.522				5	M.	7	21.01	-2.343	2.55	-2.320	-0.0006
16	Fk.	7	23.47	-0.603	23.47	-0.525	-0.0018	5	P.	7	8.09	-2.394			
17	P.	9	3.71	-0.656	3.71	-0.558	-0.0018	6	P.	7	21.77	-2.504	3.00	-2.402	-0.0005
18	P.	9	19.03	-0.719	19.03	-0.621	-0.0018	6	L.	7	8.24	-2.513			
21	M.	6	19.00	-0.698	19.00	-0.698	-0.0018	7	L.	6	21.08	-2.573	21.08	-2.458	-0.0005
22	P.	7	19.07	-0.866	23.67	-0.756	-0.0017	8	M.	8	5.21	-2.429	5.21	-2.429	-0.0003
22	Fk.	7	4.27	-0.821				9	M.	11	21.33	-2.528	21.33	-2.528	-0.0003
23	Fk.	7	19.19	-0.860	23.78	-0.798	-0.0017	10	P.	7	21.40	-2.627	1.88	-2.517	-0.0002
23	M.	7	4.36	-0.814				10	L.	5	8.16	-2.616			
25	P.	8	19.19	-1.035	19.19	-0.937	-0.0017	11	M.	7	8.44	-2.441	8.44	-2.441	-0.0001
28	P.	8	4.56	-1.079	4.56	-0.981	-0.0017	12	M.	7	21.39	-2.549	3.02	-2.524	-0.0001
Oct. 6	P.	7	19.84	-1.574	0.72	-1.504	-0.0020	12	P.	7	8.64	-2.596			
6	L.	7	5.59	-1.647				13	P.	7	21.74	-2.617	2.00	-2.521	-0.0001
7	L.	7	19.71	-1.680	0.72	-1.552	-0.0020	13	L.	5	7.96	-2.638			
7	M.	7	5.74	-1.540				14	P.	7	8.36	-2.631	8.36	-2.533	0.0000
11	M.	7	4.43	-1.734	4.43	-1.734	-0.0018	15	M.	7	8.36	-2.466	8.36	-2.466	+0.0001

Relative personal equation correction: M. = 0.000; P. = +0.098; Fk. = +0.078; L. = +0.115.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Side- real Time.	Observed Clock Correc- tion.	Side- real Time.	Prelimi- nary Adopted Clock Correc- tion.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Side- real Time.	Observed Clock Correc- tion.	Side- real Time.	Prelimi- nary Adopted Clock Correc- tion.	Adopted Hourly Rate.
1908			^h	^s	^h	^s	^s	1909			^h	^s	^h	^s	^s
Nov. 16	M. P.	6	21. 32	-2. 515	3. 61	-2. 485	+0. 0002	Jan. 3	P.	9	5. 68	- 0. 533	5. 68	- 0. 435	+0. 0034
16		7	9. 01	-2. 557				5	L.	6	12. 78	- 0. 472	12. 78	- 0. 357	+0. 0041
17	P.	7	21. 73	-2. 550	21. 73	-2. 452	+0. 0004	6	L.	7	1. 76	- 0. 480	1. 76	- 0. 365	+0. 0041
18	L.	7	21. 73	-2. 559	3. 36	-2. 424	+0. 0005	12	L.	7	11. 74	+ 0. 147	11. 74	+ 0. 262	+0. 0038
18	M.	7	8. 99	-2. 403				17	M.	9	11. 77	+ 0. 712	11. 77	+ 0. 712	+0. 0035
20	P.	7	21. 83	-2. 529	3. 14	-2. 392	+0. 0007	18	M.	6	2. 40	+ 0. 797	7. 27	+ 0. 824	+0. 0035
20	L.	7	8. 46	-2. 467				18	P.	7	11. 44	+ 0. 750			
21	L.	7	23. 63	-2. 556	23. 63	-2. 441	+0. 0007	19	P.	7	2. 79	+ 0. 751	2. 79	+ 0. 849	+0. 0034
25	L.	7	23. 63	-2. 597	23. 63	-2. 482	0. 000	20	L.	12	3. 84	+ 0. 784	7. 35	+ 0. 920	+0. 0034
26	P.	7	9. 41	-2. 549	9. 41	-2. 451	0. 000	20	M.	7	13. 36	+ 0. 957			
27	P.	8	22. 30	-2. 559	3. 48	-2. 486	0. 000	21	M.	7	2. 44	+ 0. 999	2. 44	+ 0. 999	+0. 0033
27	L.	7	9. 40	-2. 629				22	P.	9	3. 98	+ 0. 969	3. 98	+ 1. 067	+0. 0033
29	P.	6	2. 55	-2. 627	2. 55	-2. 529	0. 000	25	M.	6	3. 98	+ 1. 280	3. 98	+ 1. 280	+0. 0031
30	M.	7	22. 44	-2. 516	22. 44	-2. 516	0. 000	26	L.	10	5. 36	+ 1. 294	8. 75	+ 1. 402	+0. 0031
Dec. 1	P.	7	23. 29	-2. 669	4. 62	-2. 564	+0. 0020	26	P.	7	13. 60	+ 1. 294			
1	M.	7	9. 96	-2. 557				27	P.	7	4. 11	+ 1. 340	4. 11	+ 1. 438	+0. 0030
2	M.	8	1. 32	-2. 478	5. 92	-2. 474	+0. 0021	28	M.	7	4. 13	+ 1. 529	4. 13	+ 1. 529	+0. 0030
2	P.	9	10. 00	-2. 569				31	P.	9	6. 39	+ 1. 682	6. 39	+ 1. 780	+0. 0028
3	P.	7	0. 74	-2. 513	5. 50	-2. 402	+0. 0021	Feb. 1	M.	7	6. 29	+ 1. 873	10. 25	+ 1. 864	+0. 0028
3	M.	7	10. 27	-2. 389				1	P.	7	14. 21	+ 1. 756			
5	L.	7	3. 29	-2. 451	3. 29	-2. 336	+0. 0022	2	P.	7	6. 29	+ 1. 810	10. 29	+ 1. 908	+0. 0027
7	M.	7	23. 61	-2. 153	4. 94	-2. 123	+0. 0023	2	L.	6	14. 95	+ 1. 793			
7	P.	7	10. 20	-2. 191				3	L.	7	6. 99	+ 1. 820	6. 99	+ 1. 935	+0. 0027
8	P.	7	23. 57	-2. 169	4. 96	-2. 098	+0. 0023	4	M.	7	4. 20	+ 2. 040	9. 86	+ 2. 034	+0. 0026
8	L.	7	10. 36	-2. 241				4	P.	10	13. 82	+ 1. 932			
9	L.	5	0. 42	-2. 202	6. 38	-2. 046	+0. 0024	6	L.	10	4. 67	+ 2. 052	4. 67	+ 2. 167	+0. 0040
9	M.	7	10. 63	-2. 016				8	P.	7	4. 20	+ 2. 290	4. 20	+ 2. 388	+0. 0039
15	P.	7	0. 04	-1. 827	0. 04	-1. 729	+0. 0026	11	M.	7	4. 20	+ 2. 690	9. 86	+ 2. 735	+0. 0038
18	P.	5	23. 32	-1. 758	6. 45	-1. 641	+0. 0028	11	P.	10	13. 83	+ 2. 669			
18	L.	7	11. 54	-1. 743				13	L.	10	4. 63	+ 2. 845	7. 44	+ 2. 943	+0. 0037
19	L.	9	1. 10	-1. 723	1. 10	-1. 608	+0. 0028	13	M.	6	12. 13	+ 2. 915			
23	L.	7	1. 69	-1. 454	1. 69	-1. 339	+0. 0030	16	P.	6	4. 77	+ 3. 045	4. 77	+ 3. 143	+0. 0036
26	L.	7	0. 94	-1. 229	0. 94	-1. 114	+0. 0031	17	L.	9	4. 91	+ 3. 147	9. 89	+ 3. 277	+0. 0035
27	M.	8	10. 64	-0. 951	10. 64	-0. 951	+0. 0031	17	M.	10	14. 37	+ 3. 290			
28	M.	6	0. 25	-0. 930	6. 56	-0. 880	+0. 0032	18	M.	6	4. 78	+ 3. 300	8. 95	+ 3. 330	+0. 0035
28	P.	9	10. 76	-0. 944				18	P.	6	13. 12	+ 3. 262			
29	P.	7	1. 56	-0. 891	1. 56	-0. 793	+0. 0032	Feb. 19 clock dropped 134 ^s .							
31	M.	6	0. 58	-0. 722	0. 58	-0. 722	+0. 0033	19	L.	7	15. 69	+17. 373	15. 69	+17. 488	+0. 0034
1909								20	L.	7	4. 86	+17. 447	9. 76	+17. 575	+0. 0034
Jan. 1	P.	7	1. 27	-0. 696	6. 07	-0. 599	+0. 0033	20	M.	6	15. 47	+17. 590			
1	L.	6	11. 67	-0. 715											
2	L.	8	2. 46	-0. 696	2. 46	-0. 581	+0. 0034								

Relative personal equation correction: M. = 0.000; P. = +0.098; L. = +0.115.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1909 Feb. 24	M.	9	^h 14. 27	^s +17. 874	^h 14. 27	^s +17. 874	+0. 0021	1909 Mar. 31	L.	7	^h 9. 73	^s +19. 130	^h 13. 06	^s +19. 228	+0. 0011
25	M.	6	5. 27	+17. 918	10. 82	+17. 932	+0. 0021	31	M.	7	16. 39	+19. 210			
25	P.	11	13. 84	+17. 842				Apr. 2	P.	9	12. 02	+19. 197	14. 17	+19. 313	+0. 0010
26	P.	7	5. 41	+17. 867	10. 68	+17. 966	+0. 0021	2	L.	8	16. 58	+19. 218			
26	L.	7	15. 94	+17. 853				3	L.	8	12. 70	+19. 234	12. 70	+19. 349	+0. 0010
27	L.	7	11. 17	+17. 857	11. 17	+17. 972	+0. 0021	4	P.	6	12. 65	+19. 235	14. 78	+19. 340	+0. 0009
28	P.	7	5. 41	+17. 927	10. 66	+18. 031	+0. 0020	4	M.	7	16. 61	+19. 346			
28	M.	7	15. 90	+18. 037				5	P.	8	13. 99	+19. 256	13. 99	+19. 354	+0. 0009
Mar. 1	M.	5	5. 66	+18. 114	5. 66	+18. 114	+0. 0020	6	P.	9	8. 92	+19. 284	12. 55	+19. 376	+0. 0009
2	P.	8	8. 76	+18. 095	8. 76	+18. 193	+0. 0020	6	L.	10	15. 82	+19. 256			
4	P.	7	15. 90	+18. 181	15. 90	+18. 279	+0. 0019	7	L.	7	9. 23	+19. 274	12. 85	+19. 408	+0. 0009
5	P.	7	5. 76	+18. 286	5. 76	+18. 384	+0. 0019	7	M.	8	16. 01	+19. 424			
7	M.	11	14. 38	+18. 370	14. 38	+18. 370	+0. 0018	9	P.	7	8. 81	+19. 397	13. 16	+19. 472	+0. 0025
10	L.	7	15. 90	+18. 366	15. 90	+18. 481	+0. 0017	9	L.	7	17. 50	+19. 334			
11	L.	7	6. 54	+18. 457	11. 57	+18. 565	+0. 0017	10	L.	7	8. 89	+19. 503	12. 76	+19. 605	+0. 0018
11	P.	8	15. 98	+18. 461				10	P.	7	16. 63	+19. 494			
13	P.	7	16. 24	+18. 531	16. 24	+18. 629	+0. 0016	11	M.	7	16. 63	+19. 546	16. 63	+19. 546	+0. 0017
14	M.	7	15. 96	+18. 660	15. 96	+18. 660	+0. 0016	12	M.	8	9. 17	+19. 623	9. 17	+19. 623	+0. 0021
15	M.	7	6. 61	+18. 747	11. 28	+18. 741	+0. 0016	15	M.	6	9. 22	+19. 933	13. 64	+19. 926	+0. 0031
15	P.	7	15. 96	+18. 637				15	P.	7	17. 43	+19. 821			
16	P.	9	7. 14	+18. 668	11. 51	+18. 756	+0. 0015	16	P.	7	10. 03	+19. 856	13. 73	+19. 985	+0. 0036
16	L.	8	16. 42	+18. 631				16	L.	7	17. 43	+19. 901			
17	L.	15	8. 89	+18. 678	11. 24	+18. 779	+0. 0015	17	L.	8	9. 60	+19. 945	9. 60	+20. 060	+0. 0035
17	M.	7	16. 26	+18. 749				18	M.	7	17. 43	+20. 196	17. 43	+20. 196	+0. 0034
18	M.	6	6. 77	+18. 842	6. 77	+18. 842	+0. 0015	22	M.	6	11. 97	+20. 397	14. 10	+20. 387	+0. 0035
19	L.	7	16. 26	+18. 744	16. 26	+18. 859	+0. 0014	22	P.	5	16. 66	+20. 278			
20	L.	16	9. 18	+18. 806	9. 18	+18. 921	+0. 0014	23	L.	7	18. 14	+20. 339	18. 14	+20. 454	+0. 0034
21	M.	7	16. 26	+18. 933	16. 26	+18. 933	+0. 0014	24	L.	6	11. 85	+20. 397	11. 85	+20. 512	+0. 0033
22	M.	7	7. 13	+19. 023	11. 70	+19. 012	+0. 0014	25	P.	8	10. 14	+20. 482	10. 14	+20. 580	+0. 0031
22	P.	7	16. 26	+18. 904				26	M.	6	10. 13	+20. 600	14. 06	+20. 615	+0. 0030
23	P.	7	7. 24	+19. 086	12. 14	+19. 099	+0. 0013	26	P.	7	17. 43	+20. 530			
23	L.	8	16. 42	+18. 909				28	L.	10	11. 02	+20. 719	13. 67	+20. 831	+0. 0027
25	M.	7	9. 47	+19. 104	9. 47	+19. 104	+0. 0013	28	M.	7	17. 46	+20. 827			
26	P.	7	9. 57	+19. 026	12. 98	+19. 122	+0. 0012	30	P.	4	10. 32	+20. 850	10. 32	+20. 948	+0. 0025
26	L.	7	16. 39	+19. 004				May 11	P.	5	11. 64	+21. 640	11. 64	+21. 688	+0. 0034
28	P.	8	7. 79	+19. 121	10. 94	+19. 199	+0. 0012	12	L.	6	11. 85	+21. 672	11. 85	+21. 778	+0. 0033
28	M.	5	15. 98	+19. 168				13	M.	5	11. 64	+21. 792	11. 64	+21. 792	+0. 0033
29	M.	4	7. 90	+19. 200	7. 90	+19. 200	+0. 0011	15	L.	9	12. 18	+21. 874	12. 18	+21. 980	+0. 0032
30	P.	7	9. 29	+19. 096	12. 84	+19. 199	+0. 0011	17	M.	7	12. 44	+22. 143	12. 44	+22. 143	+0. 0031
30	L.	7	16. 39	+19. 089				18	P.	6	12. 62	+22. 198	12. 62	+22. 246	+0. 0030

Relative personal equation correction to May 1: M.=0.000; P.=+0.098; L.=+0.115; after May 1: M.=0.000; P.=+0.048; L.=+0.106.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1909 May 28	P.	7	^h 13.04	^s +22.834	^h 13.04	^s +22.882	^s +0.0025	1909 Aug. 6	L.	12	^h 20.81	^s -17.538	^h 20.81	^s -17.432	^s -0.0128
29	L.	8	13.15	+22.796	13.15	+22.902	+0.0024	7	P.	13	18.34	-17.759	18.34	-17.711	-0.0129
30	P.	6	13.98	+22.883	13.98	+22.931	+0.0024	9	L.	11	18.19	-18.419	18.19	-18.313	-0.0131
31	L.	5	14.38	+22.894	14.38	+23.000	+0.0023	10	P.	10	18.13	-18.744	18.13	-18.696	-0.0132
June 2	L.	4	13.20	+23.020	13.20	+23.126	+0.0022	16	P.	6	17.67	-20.590	17.67	-20.542	-0.0139
12	M.	4	14.12	+23.602	14.12	+23.602	+0.0017	19	L.	16	20.28	-21.719	20.28	-21.613	-0.0142
June 14 new clock in circuit.								21	L.	16	20.24	-22.439	20.24	-22.333	-0.0144
14	L.	6	19.38	- 4.870	19.38	- 4.764	-0.0071	22	P.	5	0.48	-22.780	0.48	-22.732	-0.0145
16	L.	5	15.14	- 5.184	15.14	- 5.078	-0.0073	23	L.	11	18.32	-23.083	18.32	-22.977	-0.0146
18	L.	4	14.12	- 5.480	14.12	- 5.374	-0.0075	24	P.	11	18.54	-23.378	18.54	-23.330	-0.0147
19	M.	5	14.44	- 5.602	14.44	- 5.602	-0.0076	25	L.	7	18.11	-23.837	18.11	-23.731	-0.0148
23	L.	4	14.52	- 6.368	14.52	- 6.262	-0.0081	Aug. 27 new clock in circuit.							
24	M.	6	15.32	- 6.537	15.32	- 6.537	-0.0082	26	P.	5	0.48	+ 7.018	0.48	+ 7.066	+0.0034
29	M.	7	15.69	- 7.610	15.69	- 7.610	-0.0087	27	L.	9	18.38	+ 7.023	18.38	+ 7.129	+0.0035
30	L.	8	15.86	- 7.948	15.86	- 7.842	-0.0088	30	M.	15	20.44	+ 7.393	20.44	+ 7.393	+0.0038
July 2	P.	6	15.40	- 8.347	15.40	- 8.299	-0.0090	31	P.	10	18.65	+ 7.439	18.65	+ 7.487	+0.0039
3	L.	8	15.45	- 8.572	15.45	- 8.466	-0.0092	Sept. 1	L.	16	20.49	+ 7.452	20.49	+ 7.558	+0.0040
6	L.	5	22.44	- 9.398	22.44	- 9.292	-0.0095	2	M.	14	20.86	+ 7.667	20.86	+ 7.667	+0.0040
7	L.	9	15.77	- 9.473	15.77	- 9.367	-0.0096	7	P.	10	18.84	+ 8.174	18.84	+ 8.222	+0.0045
8	M.	7	15.73	- 9.667	15.73	- 9.667	-0.0097	8	L.	30	20.41	+ 8.225	20.41	+ 8.331	+0.0046
9	P.	7	15.71	- 9.959	17.35	- 9.935	-0.0098	11	L.	10	19.26	+ 8.538	19.26	+ 8.644	+0.0048
9	L.	2	23.10	-10.125				13	L.	25	20.72	+ 8.695	20.72	+ 8.801	+0.001
10	L.	10	15.86	-10.287	17.07	-10.198	-0.0099	14	P.	39	22.21	+ 8.771	22.21	+ 8.819	+0.001
10	P.	2	23.10	-10.330				17	M.	9	22.93	+ 8.937	23.57	+ 8.941	+0.0048
14	L.	8	15.96	-11.212	15.96	-11.106	-0.0103	17	P.	1	5.30	+ 8.930			
15	M.	10	17.19	-11.404	17.19	-11.404	-0.0104	18	P.	12	23.28	+ 8.979	23.28	+ 9.027	+0.0049
17	L.	15	16.97	-11.983	16.97	-11.877	-0.0107	24	M.	1	20.30	+ 9.790	4.03	+ 9.840	+0.0054
24	P.	9	17.48	-13.734	17.48	-13.686	-0.0114	24	P.	5	5.58	+ 9.802			
27	P.	16	17.69	-14.531	17.69	-14.483	-0.0117	25	P.	17	20.84	+ 9.891	20.84	+ 9.939	+0.0055
28	M.	13	17.68	-14.691	17.68	-14.691	-0.0118	26	P.	19	23.65	+10.065	0.68	+10.116	+0.0056
29	P.	7	17.41	-15.039	17.41	-14.991	-0.0119	26	M.	4	5.58	+10.128			
30	M.	14	17.81	-15.256	17.81	-15.256	-0.0121	27	P.	5	5.58	+10.242	5.58	+10.290	+0.0057
Aug. 2	L.	19	18.93	-16.272	18.93	-16.166	-0.0124	28	P.	39	22.52	+10.338	22.52	+10.386	+0.0058
4	L.	17	19.65	-16.871	19.65	-16.765	-0.0126	29	L.	16	23.96	+10.421	1.53	+10.543	+0.0059
5	P.	4	0.90	-17.250	0.90	-17.202	-0.0127	29	P.	6	5.70	+10.537			
								30	P.	11	0.57	+10.665	2.38	+10.714	+0.0060
								30	M.	6	5.70	+10.715			

Relative personal equation correction: M.=0.000; P.=+0.048; L.=+0.106.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1909 Oct. 1	M. L.	17	^h 1.29	^s +10.813	^h 2.79	^s +10.837	^s +0.0061	1909 Nov. 15	M.	13	^h 6.70	^s +18.629	^h 6.70	^s +18.629	^s +0.0082
1	L.	9	5.62	+10.776				19	P.	7	21.50	+19.266	4.52	+19.386	+0.0085
2	L. P.	1	18.90	+10.790	3.81	+11.028	+0.0062	19	L.	16	7.59	+19.312			
2	P.	21	4.23	+10.986				20	L.	5	21.90	+19.366	21.90	+19.472	+0.0085
4	M. P.	1	18.90	+11.220	4.80	+11.245	+0.0064	21	P.	5	22.76	+19.678	22.76	+19.726	+0.0086
4	P.	18	5.35	+11.198				22	M. P.	14	23.14	+19.941	1.07	+19.957	+0.0087
5	P. L.	1	18.90	+11.250	5.00	+11.398	+0.0065	22	P.	6	5.57	+19.947			
5	L.	16	5.63	+11.298				25	M. P.	5	2.56	+20.550	6.26	+20.639	+0.0080
6	L. M.	1	18.90	+11.310	4.86	+11.523	+0.0066	25	P.	13	7.69	+20.625			
6	M.	14	5.57	+11.531				26	P. L.	6	22.28	+20.695	4.04	+20.800	+0.0072
7	P.	15	5.52	+11.619	5.52	+11.677	+0.0067	26	L.	18	5.96	+20.713			
8	L.	15	5.59	+11.719	5.59	+11.825	+0.0068	27	L. P.	2	21.75	+20.875	3.47	+21.003	+0.0071
11	P.	14	5.60	+12.323	5.60	+12.371	+0.0071	27	P.	6	5.37	+20.962			
12	L.	13	5.39	+12.470	5.39	+12.576	+0.0072	28	M.	9	5.68	+21.182	5.68	+21.182	+0.0071
19	M.	11	5.69	+13.874	5.69	+13.874	+0.0064	29	M. P.	4	23.00	+21.258	6.32	+21.332	+0.0071
21	M.	8	5.76	+14.229	5.76	+14.229	+0.0065	29	P.	20	7.78	+21.299			
22	M.	27	22.16	+14.284	22.16	+14.284	+0.0066	30	P. L.	6	23.17	+21.377	4.03	+21.479	+0.0071
24	P. M.	5	0.96	+14.616	3.95	+14.705	+0.0067	30	L.	11	6.68	+21.403			
24	M.	8	5.82	+14.731				Dec. 1	L. M.	7	22.31	+21.456	4.32	+21.654	+0.0071
25	M. P.	13	23.95	+14.790	2.24	+14.803	+0.0068	1	M.	12	7.83	+21.707			
25	P.	8	5.95	+14.776				2	M. P.	2	22.60	+21.740	7.16	+21.830	+0.0071
26	P. L.	21	22.69	+14.896	1.22	+14.955	+0.0069	2	P.	5	10.58	+21.818			
26	L.	12	5.64	+14.869				3	L.	15	23.24	+21.886	6.10	+22.003	+0.0071
27	L. M.	10	0.34	+14.982	3.10	+15.142	+0.0069	3	P.	5	8.39	+21.920			
27	M.	10	5.86	+15.196				4	L. P.	5	23.04	+21.986	5.94	+22.146	+0.0071
28	M. P.	19	3.06	+15.344	3.94	+15.336	+0.0070	4	P.	7	10.86	+22.137			
28	P.	9	5.80	+15.272				5	M.	14	8.14	+22.354	8.14	+22.354	+0.0070
29	P. L.	7	21.54	+15.411	2.33	+15.493	+0.0071	6	L.	6	5.70	+22.417	5.70	+22.523	+0.0070
29	L.	23	3.79	+15.397				8	M.	4	23.18	+22.760	23.18	+22.760	+0.0070
30	P.	26	3.11	+15.627	3.11	+15.675	+0.0071	9	L.	11	3.04	+22.905	3.04	+23.011	+0.0070
31	M.	11	6.06	+15.866	6.06	+15.866	+0.0072	10	M.	10	7.91	+23.286	7.91	+23.286	+0.0070
Nov. 3	M.	12	5.90	+16.342	5.90	+16.342	+0.0074	14	M.	8	4.92	+24.162	4.92	+24.162	+0.0073
4	L.	15	7.05	+16.467	7.05	+16.573	+0.0075	15	L.	6	5.57	+24.285	5.57	+24.391	+0.0073
5	L.	8	21.54	+16.539	21.54	+16.645	+0.0075	16	M. L.	13	6.24	+24.530	6.98	+24.543	+0.0074
10	L. M.	10	21.61	+17.409	3.40	+17.590	+0.0079	16	L.	2	11.80	+24.520			
10	M.	16	7.02	+17.635				17	L. M.	12	6.36	+24.621	7.85	+24.726	+0.0075
11	M. L.	7	21.70	+17.706	3.54	+17.781	+0.0080	17	P.	5	11.42	+24.722			
11	L.	13	6.69	+17.716				18	M.	7	0.93	+24.791	0.93	+24.791	+0.0075
12	L. M.	8	21.63	+17.842	3.42	+17.988	+0.0080	20	M. P.	6	1.62	+25.222	4.25	+25.246	+0.0076
12	M.	13	6.99	+18.013				20	P.	2	12.15	+25.270			
13	M.	8	21.62	+18.095	21.62	+18.095	+0.0081	21	P.	14	2.99	+25.380	2.99	+25.428	+0.0077

Relative personal equation correction: M.=+0.000; P.=+0.048; L.=+0.106.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1909 Dec. 22	L.	16	^h 2.96	^s +25.450	^h 2.96	^s +25.556	^s +0.0077	1910 Feb. 19	L.	13	^h 5.90	^s +38.842	^h 5.90	^s +38.948	^s +0.0113
24	P.	17	2.68	+25.875	2.68	+25.923	+0.0079	22	P.	11	7.73	+39.752	7.73	+39.800	+0.0114
26	M.	5	7.40	+26.342	7.40	+26.342	+0.0080	24	P.	6	12.73	+40.430	12.73	+40.478	+0.0116
28	P.	6	0.93	+26.627	4.46	+26.703	+0.0081	25	P.	12	8.81	+40.665	8.81	+40.713	+0.0116
28	L.	10	6.58	+26.614				26	L.	7	12.64	+40.871	12.64	+40.977	+0.0117
29	L.	4	1.65	+26.708	1.65	+26.814	+0.0082	Mar. 3	M.	11	5.68	+42.400	7.21	+42.414	+0.0120
30	M.	4	1.65	+27.008	1.65	+27.008	+0.0082	3	P.	1	16.40	+42.450			
31	P.	15	4.80	+27.266	6.41	+27.324	+0.0083	4	P.	5	5.56	+42.628	9.66	+42.702	+0.0120
31	M.	5	11.24	+27.352				4	L.	6	13.07	+42.618			
1910 Jan. 3	P.	18	8.23	+27.863	8.23	+27.911	+0.0085	5	L.	5	5.56	+42.766	9.96	+42.970	+0.0121
4	P.	6	3.50	+28.055	3.50	+28.103	+0.0085	5	P.	6	13.63	+42.995			
7	P.	19	5.24	+28.718	5.24	+28.766	+0.0087	7	M.	6	5.68	+43.508	5.68	+43.508	+0.0122
8	L.	20	4.74	+28.866	4.74	+28.972	+0.0088	8	P.	6	5.68	+43.770	5.68	+43.818	+0.0123
10	M.	16	5.36	+29.394	5.36	+29.394	+0.0089	Mar. 13 new clock in circuit.							
14	L.	8	12.85	+30.180	12.85	+30.286	+0.0091	13	M.	4	13.68	+ 6.175	13.68	+ 6.175	-0.0197
15	L.	18	5.07	+30.381	5.07	+30.487	+0.0092	14	M.	3	5.93	+ 5.880	8.80	+ 5.796	-0.0198
16	P.	19	5.06	+30.685	5.06	+30.733	+0.0092	14	L.	1	17.40	+ 5.440			
18	L.	6	13.95	+31.103	13.95	+31.209	+0.0094	15	L.	3	5.93	+ 5.313	8.80	+ 5.362	-0.0198
19	L.	18	5.18	+31.279	5.18	+31.385	+0.0094	15	M.	1	17.40	+ 5.190			
20	M.	6	3.23	+31.515	3.23	+31.515	+0.0095	17	L.	2	6.25	+ 4.415	11.88	+ 4.357	-0.0200
22	M.	6	6.80	+32.085	6.80	+32.085	+0.0096	17	P.	2	17.50	+ 4.145			
23	P.	11	6.15	+32.288	6.15	+32.336	+0.0097	18	P.	4	6.30	+ 3.978	10.03	+ 3.942	-0.0200
25	P.	21	5.49	+32.782	5.49	+32.830	+0.0098	18	M.	2	17.50	+ 3.775			
26	L.	6	7.20	+32.963	8.90	+33.040	+0.0098	19	M.	4	6.38	+ 3.540	6.38	+ 3.540	-0.0201
26	M.	6	10.60	+33.012				21	M.	7	8.91	+ 2.540	11.39	+ 2.484	-0.0202
27	P.	6	11.30	+33.295	11.30	+33.343	+0.0099	21	P.	3	17.17	+ 2.307			
29	L.	6	7.20	+33.652	10.09	+33.809	+0.0100	22	P.	9	10.62	+ 1.950	10.62	+ 1.998	-0.0203
29	P.	6	12.98	+33.812				23	L.	11	11.25	+ 1.375	11.25	+ 1.481	-0.0204
30	M.	9	14.01	+33.999	14.01	+33.999	+0.0101	24	M.	7	11.47	+ 0.977	12.81	+ 0.958	-0.0204
Feb. 1	M.	18	5.11	+34.457	7.39	+34.485	+0.0102	24	P.	2	17.55	+ 0.845			
1	P.	6	14.22	+34.522				25	P.	5	12.14	+ 0.478	12.14	+ 0.526	-0.0205
2	P.	15	5.32	+34.745	5.32	+34.793	+0.0103	26	L.	7	13.19	- 0.170	13.19	- 0.064	-0.0206
4	P.	8	5.26	+35.200	5.26	+35.248	+0.0104	27	M.	5	14.74	- 0.538	14.74	- 0.538	-0.0206
5	L.	12	4.88	+35.355	4.88	+35.461	+0.0104	28	P.	8	16.28	- 1.202	16.28	- 1.154	-0.0207
7	P.	5	15.10	+35.944	15.10	+35.992	+0.0106	Apr. 2	P.	6	13.23	- 3.597	13.23	- 3.549	-0.0210
18	P.	11	5.24	+38.675	5.24	+38.723	+0.0112	5	L.	4	17.82	- 5.310	17.82	- 5.204	-0.0212
								7	P.	4	17.82	- 6.305	17.82	- 6.257	-0.0214
								8	L.	4	17.82	- 6.820	17.82	- 6.714	-0.0214
								12	L.	4	17.82	- 8.912	17.82	- 8.806	-0.0217

Relative personal equation correction: M.=0.000; P.=+0.045; L.=+0.103.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Side-real Time.	Observed Clock Correction.	Side-real Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Side-real Time.	Observed Clock Correction.	Side-real Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1910 Apr. 13	M.	5	^h 17. 96	^s — 9. 356	^h 17. 96	^s — 9. 356	^s —0. 0218	1910 June 6	M. P.	5 4	^h 13. 92 17. 82	^s —39. 534 —39. 708	^h 15. 65	^s —39. 590	^s —0. 0252
14	P.	5	17. 96	— 9. 938	17. 96	— 9. 890	—0. 0218	7	P. L.	6 6	14. 37 18. 12	—40. 163 —40. 390	16. 24	—40. 200	—0. 0252
15	L.	5	17. 96	—10. 544	17. 96	—10. 438	—0. 0219	8	L. M.	6 6	14. 37 18. 12	—40. 822 —40. 863	16. 24	—40. 790	—0. 0253
19	P. L.	6 5	11. 78 17. 96	—12. 410 —12. 666	14. 59	—12. 452	—0. 0221	13	M.	4	17. 82	—43. 982	17. 82	—43. 982	—0. 0254
22	P. L.	6 6	11. 80 18. 12	—13. 970 —14. 212	14. 96	—14. 014	—0. 0223	14	M.	5	14. 48	—44. 480	14. 48	—44. 480	—0. 0254
25	P.	7	16. 97	—15. 734	16. 97	—15. 686	—0. 0225	19	M.	9	17. 59	—47. 629	17. 59	—47. 629	—0. 0254
26	P. L.	6 9	11. 63 17. 28	—16. 120 —16. 341	15. 02	—16. 170	—0. 0226	20	M.	6	14. 65	—48. 185	14. 65	—48. 185	—0. 0255
27	L. M.	6 7	12. 73 18. 03	—16. 747 —16. 769	15. 58	—16. 710	—0. 0227	21	L. P.	11 11	14. 89 18. 12	—48. 922 —48. 947	16. 03	—48. 845	—0. 0255
28	M. P.	5 7	10. 82 18. 03	—17. 110 —17. 360	15. 03	—17. 228	—0. 0227	22	P. M.	8 12	14. 90 18. 23	—49. 434 —49. 488	16. 90	—49. 447	—0. 0255
30	L. P.	9 6	11. 99 18. 12	—18. 239 —18. 390	14. 44	—18. 217	—0. 0228	23	L.	12	18. 48	—50. 182	18. 48	—50. 076	—0. 0255
May 4	L. M.	5 8	10. 46 18. 44	—20. 442 —20. 539	15. 37	—20. 461	—0. 0230	24	M.	9	18. 88	—50. 657	18. 88	—50. 657	—0. 0255
5	P.	9	18. 30	—21. 170	18. 30	—21. 122	—0. 0231	25	L.	13	19. 77	—51. 423	19. 77	—51. 317	—0. 0255
6	L.	6	18. 12	—21. 743	18. 12	—21. 637	—0. 0232	26	M.	16	20. 24	—51. 898	20. 24	—51. 898	—0. 0256
9	M. P.	1 8	13. 10 18. 28	—23. 170 —23. 402	17. 70	—23. 334	—0. 0234	29	M.	11	17. 69	—53. 705	17. 69	—53. 705	—0. 0256
12	P.	6	18. 12	—25. 067	18. 12	—25. 019	—0. 0236	30	L.	13	16. 30	—54. 361	16. 30	—54. 255	—0. 0256
14	L.	6	11. 58	—26. 045	11. 58	—25. 939	—0. 0237	July 5	M.	6	18. 12	—57. 467	18. 12	—57. 467	—0. 0257
15	P. M.	6 6	12. 35 18. 12	—26. 573 —26. 667	15. 24	—26. 596	—0. 0238	8	L.	7	17. 86	—59. 424	17. 86	—59. 318	—0. 0257
16	M. P.	2 6	11. 55 18. 12	—27. 025 —27. 313	16. 48	—27. 205	—0. 0238	9	M.	10	17. 79	—59. 914	17. 79	—59. 914	—0. 0257
17	P.	6	12. 35	—27. 735	12. 35	—27. 687	—0. 0239	11	L.	9	17. 87	—61. 258	17. 87	—61. 152	—0. 0258
18	L. M.	8 6	12. 44 18. 12	—28. 348 —28. 383	14. 88	—28. 302	—0. 0239	14	M.	12	18. 03	—63. 006	18. 03	—63. 006	—0. 0258
19	M. P.	6 10	13. 03 18. 39	—28. 792 —29. 063	16. 38	—28. 931	—0. 0240	15	L.	6	15. 82	—63. 628	15. 82	—63. 522	—0. 0258
21	L.	12	13. 52	—30. 140	13. 52	—30. 034	—0. 0241	July 18.9 clock set back 60 ^s .							
23	M.	10	18. 22	—31. 305	18. 22	—31. 305	—0. 0243	19	L.	8	18. 36	— 6. 261	18. 36	— 6. 155	—0. 0274
26	P.	11	18. 62	—33. 037	18. 62	—32. 989	—0. 0245	20	M.	12	18. 22	— 6. 833	18. 22	— 6. 833	—0. 0274
27	L.	7	18. 27	—33. 779	18. 27	—33. 673	—0. 0245	21	P.	12	18. 42	— 7. 533	18. 42	— 7. 485	—0. 0274
28	L. P.	7 8	13. 47 20. 00	—34. 160 —34. 342	16. 48	—34. 165	—0. 0246	22	M.	14	19. 20	— 8. 126	19. 20	— 8. 126	—0. 0274
30	P.	8	19. 26	—35. 476	19. 26	—35. 428	—0. 0247	23	P.	7	20. 93	— 8. 943	20. 93	— 8. 895	—0. 0273
June 3	L.	6	18. 12	—37. 910	18. 12	—37. 804	—0. 0250	24	M.	11	21. 23	— 9. 508	21. 23	— 9. 508	—0. 0273
								25	P.	10	18. 13	—10. 140	18. 13	—10. 092	—0. 0273
								26	M.	11	18. 06	—10. 693	18. 06	—10. 693	—0. 0273
								28	M.	10	18. 13	—12. 024	18. 13	—12. 024	—0. 0273
								29	P.	10	17. 85	—12. 760	17. 85	—12. 712	—0. 0273

Relative personal equation correction: M.—0^s.000; P.—+0^s.048; L.—+0^s.106.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1910 July 30	M.	9	^h 18. 21	^m -13. 338	^h 18. 21	^s -13. 338	^s -0. 0273	1910 Sept. 22	L.	18	^h 0. 72	^s -50. 574	^h 1. 79	^s -50. 499	^s -0. 0293
Aug. 1	P.	10	18. 10	-14. 709	18. 10	-14. 661	-0. 0273	22	M.	5	5. 62	-50. 612			
3	M.	10	18. 36	-15. 995	18. 36	-15. 995	-0. 0273	24	M.	10	4. 95	-52. 037	4. 95	-52. 037	-0. 0294
4	P.	12	18. 12	-16. 672	18. 12	-16. 624	-0. 0273	25	M.	13	5. 03	-52. 713	5. 03	-52. 713	-0. 0294
5	M.	10	18. 32	-17. 293	18. 32	-17. 293	-0. 0273	26	M.	2	18. 70	-53. 160	3. 32	-53. 421	-0. 0294
6	L.	13	18. 58	-18. 136	18. 58	-18. 030	-0. 0280	26	P.	24	4. 04	-53. 491			
9	L.	9	18. 20	-20. 082	18. 20	-19. 976	-0. 0280	27	P.	1	18. 90	-53. 940	4. 07	-54. 112	-0. 0295
10	P.	6	18. 12	-20. 760	18. 12	-20. 712	-0. 0280	27	L.	6	5. 60	-54. 255			
11	L.	7	18. 17	-21. 473	18. 17	-21. 367	-0. 0280	28	L.	1	18. 90	-54. 730	4. 54	-54. 861	-0. 0295
12	P.	8	18. 10	-22. 116	18. 10	-22. 068	-0. 0281	28	M.	8	5. 75	-54. 891			
13	L.	11	18. 10	-22. 792	18. 10	-22. 686	-0. 0281	Oct 1	L.	6	19. 03	-56. 825	19. 03	-56. 719	-0. 0296
16	P.	7	18. 03	-24. 819	18. 03	-24. 771	-0. 0281	2	M.	5	5. 73	-57. 710	5. 73	-57. 710	-0. 0297
18	P.	10	18. 27	-26. 158	18. 27	-26. 110	-0. 0281	3	P.	6	5. 73	-58. 488	5. 73	-58. 440	-0. 0297
19	L.	16	19. 31	-26. 923	19. 31	-26. 817	-0. 0282	4	P.	1	18. 90	-58. 860	4. 43	-59. 100	-0. 0298
20	P.	14	19. 59	-27. 539	19. 59	-27. 491	-0. 0282	4	L.	8	5. 62	-59. 242			
21	L.	8	23. 84	-28. 375	23. 84	-28. 269	-0. 0282	9	M.	9	5. 58	-62. 749	5. 58	-62. 749	-0. 0300
22	P.	15	21. 26	-28. 943	21. 26	-28. 895	-0. 0282	10	M.	5	19. 54	-63. 210	1. 99	-63. 389	-0. 0300
23	L.	18	21. 16	-29. 676	21. 16	-29. 570	-0. 0282	10	P.	9	5. 58	-63. 536			
24	P.	8	18. 04	-30. 256	18. 04	-30. 208	-0. 0282	11	P.	5	20. 68	-64. 054	2. 40	-64. 128	-0. 0301
25	L.	10	18. 21	-30. 946	18. 21	-30. 840	-0. 0282	11	L.	9	5. 58	-64. 302			
26	P.	8	2. 90	-31. 764	2. 90	-31. 716	-0. 0283	12	L.	6	20. 67	-64. 807	20. 67	-64. 701	-0. 0301
27	L.	14	21. 08	-32. 388	21. 08	-32. 282	-0. 0283	13	P.	9	5. 94	-65. 672	5. 94	-65. 624	-0. 0301
30	L.	8	18. 30	-34. 339	18. 30	-34. 233	-0. 0283	14	P.	9	22. 22	-66. 250	22. 22	-66. 202	-0. 0302
Sept. 6	P.	9	18. 77	-39. 216	18. 77	-39. 168	-0. 0286	15	M.	9	23. 12	-66. 906	23. 12	-66. 906	-0. 0302
7	M.	5	18. 26	-39. 818	18. 26	-39. 818	-0. 0287	16	P.	8	1. 58	-67. 784	1. 58	-67. 736	-0. 0303
8	P.	7	18. 63	-40. 570	18. 63	-40. 522	-0. 0287	17	M.	8	1. 39	-68. 400	3. 80	-68. 492	-0. 0303
10	P.	5	18. 58	-41. 950	18. 58	-41. 902	-0. 0288	17	P.	9	5. 94	-68. 621			
12	P.	5	18. 56	-43. 354	18. 56	-43. 306	-0. 0289	18	P.	8	0. 20	-69. 155	0. 20	-69. 107	-0. 0303
15	M.	11	20. 12	-45. 452	20. 12	-45. 452	-0. 0290	20	M.	12	2. 95	-70. 658	4. 22	-70. 682	-0. 0304
16	P.	10	20. 53	-46. 171	20. 53	-46. 123	-0. 0290	20	P.	9	5. 92	-70. 761			
17	L.	13	21. 38	-46. 929	21. 38	-46. 823	-0. 0291	22	L.	13	0. 39	-72. 140	2. 71	-72. 079	-0. 0305
20	L.	11	23. 82	-49. 123	1. 03	-49. 051	-0. 0292	22	P.	10	5. 72	-72. 187			
20	M.	3	5. 47	-49. 177				23	M.	22	4. 57	-72. 822	4. 57	-72. 822	-0. 0280
21	M.	12	3. 09	-49. 864	3. 81	-49. 872	-0. 0292	24	P.	21	4. 92	-73. 539	4. 92	-73. 491	-0. 0280
21	L.	5	5. 54	-49. 998				25	L.	16	4. 82	-74. 276	4. 82	-74. 170	-0. 0279
								26	M.	7	5. 70	-74. 860	5. 70	-74. 860	-0. 0279
												Oct. 27.0 clock set back 60 ^s .			
								28	P.	17	23. 46	-16. 095	1. 48	-16. 097	-0. 0278
								28	L.	8	5. 76	-16. 310			
								30	M.	8	5. 76	-17. 472	5. 76	-17. 472	-0. 0277

Relative personal equation correction: M.=0.000; P.=+0.048; L.=+0.106.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1910 Oct. 31	P.	7	^h 5.67	^s -18.220	^h 5.67	^s -18.172	^s -0.0276	1910 Dec. 16	P. L.	6 5	^h 6.57 11.82	^s -47.522 -47.828	^h 8.96	^s -47.587	^s -0.0264
Nov. 1	M.	5	5.65	-18.790	5.65	-18.790	-0.0276	17	L.	12	6.57	-48.339	6.57	-48.233	-0.0265
4	L.	6	5.57	-20.887	5.57	-20.781	-0.0274	19	P.	11	10.51	-49.695	10.51	-49.647	-0.0266
6	M.	7	5.67	-22.093	5.67	-22.093	-0.0273	20	P. L.	11 8	6.51 11.12	-50.216 -50.409	8.45	-50.225	-0.0267
8	P.	10	22.27	-23.255	1.32	-23.295	-0.0272	21	L.	6	5.73	-50.845	5.73	-50.739	-0.0267
8	L.	7	5.67	-23.526				22	M. P.	5 5	23.58 10.84	-51.322 -51.616	5.21	-51.445	-0.0268
9	L.	8	21.58	-23.965	21.58	-23.859	-0.0271	24	P.	7	11.74	-52.931	11.74	-52.883	-0.0269
11	P.	15	0.01	-25.264	2.04	-25.281	-0.0265	26	P.	16	8.17	-54.102	8.17	-54.054	-0.0271
11	L.	8	5.84	-25.509				27	L.	4	11.70	-55.015	11.70	-54.909	-0.0271
14	P.	5	5.58	-27.300	5.58	-27.252	-0.0263	29	M.	5	2.50	-55.942	2.50	-55.942	-0.0272
16	M.	12	4.54	-28.482	4.54	-28.482	-0.0265	1911 Jan. 4	L.	16	4.62	-60.015	4.62	-59.909	-0.0277
17	M.	8	23.82	-29.041	3.19	-29.094	-0.0266	5	M.	9	3.73	-60.607	3.73	-60.607	-0.0279
17	P.	12	5.43	-29.178				6	P.	11	3.12	-61.243	3.12	-61.195	-0.0279
19	L.	8	21.66	-30.392	2.44	-30.340	-0.0267	7	L.	15	4.27	-62.033	4.27	-61.927	-0.0280
19	P.	21	4.26	-30.408				8	P.	6	2.65	-62.510	2.65	-62.462	-0.0280
20	L.	7	1.77	-31.136	5.23	-31.076	-0.0268	9	M.	19	4.83	-63.264	4.83	-63.264	-0.0280
20	M.	13	7.09	-31.100				10	P.	23	5.07	-63.959	5.07	-63.911	-0.0281
21	P.	8	5.84	-31.766	5.84	-31.718	-0.0269	15	M.	20	10.22	-7.470	10.22	-7.470	-0.0283
22	L.	16	7.67	-32.554	7.67	-32.448	-0.0270	16	P.	12	7.24	-8.038	7.24	-7.990	-0.0284
24	P.	6	9.52	-33.833	9.52	-33.785	-0.0272	18	L.	8	3.84	-9.425	3.84	-9.319	-0.0285
25	L.	6	5.70	-34.448	5.70	-34.342	-0.0273	19	M. P.	14 7	5.71 13.61	-10.035 -10.317	8.34	-10.113	-0.0285
26	L.	8	22.40	-34.949	22.40	-34.843	-0.0273	20	P.	10	4.95	-10.783	4.95	-10.735	-0.0286
29	L.	10	7.69	-37.123	7.69	-37.017	-0.0265	23	M. P.	13 7	5.71 14.33	-12.813 -13.030	8.73	-12.872	-0.0287
Dec. 1	P.	8	5.70	-38.223	5.70	-38.175	-0.0255	24	P. L.	11 6	6.38 14.55	-13.465 -13.855	9.26	-13.534	-0.0288
2	P.	6	22.68	-38.680	4.20	-38.780	-0.0256	25	L.	10	6.30	-14.288	6.30	-14.182	-0.0288
2	L.	5	10.82	-39.064				27	P. L.	4 6	2.65 14.53	-15.550 -15.985	9.78	-15.728	-0.0289
3	L.	14	3.77	-39.466	3.77	-39.360	-0.0256	28	L.	11	6.43	-16.399	6.43	-16.293	-0.0289
7	L.	11	2.54	-41.939	3.24	-41.857	-0.0259	30	M. P.	13 6	5.76 14.50	-17.645 -17.913	8.52	-17.714	-0.0290
7	M.	1	10.90	-42.120				Feb. 2	P.	6	14.78	-20.033	14.78	-19.985	-0.0292
8	M.	11	2.79	-42.492	5.29	-42.539	-0.0259								
8	P.	5	10.78	-42.690											
9	P.	13	2.90	-43.095	2.90	-43.047	-0.0260								
11	P.	5	1.60	-44.320	1.60	-44.272	-0.0261								
12	P.	17	4.23	-44.986	4.23	-44.938	-0.0262								
13	M.	13	4.56	-45.621	4.56	-45.621	-0.0262								
14	L.	12	4.84	-46.400	6.48	-46.338	-0.0263								
14	M.	4	11.40	-46.472											
15	M.	10	6.10	-46.911	6.10	-46.911	-0.0264								

Relative personal equation correction: M. = 0.000; P. = +0.048; L. = +0.106.

TABLE XX.—*The Corrections and Adopted Rates of the Standard Sidereal Clock—Continued.*

Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.	Date.	Observer.	No. Stars.	Sidereal Time.	Observed Clock Correction.	Sidereal Time.	Preliminary Adopted Clock Correction.	Adopted Hourly Rate.
1911 Feb. 4	L.	22	^h 4. 86	^s -21. 365	^h 4. 86	^s -21. 259	^s -0. 0291	1911 Mar. 15	L. M.	6 1	^h 12. 45 17. 40	^s -42. 447 -42. 490	^h 13. 16	^s -42. 362	^s -0. 0281
5	P.	6	3. 22	-21. 888	3. 22	-21. 840	-0. 0291	15							
7	P.	15	4. 83	-23. 334	4. 83	-23. 286	-0. 0290	16	M. P.	5 7	6. 44 14. 80	-56. 930 -57. 263	11. 32	-57. 096	-0. 034
			Feb. 8 clock dropped 6 ^s .									Mar. 16.1 clock dropped 46 ^s .			
10	P.	14	6. 23	-19. 607	8. 78	-19. 653	-0. 0290	17	P.	4	6. 45	+ 2. 190	6. 45	+ 2. 238	-0. 034
10	M.	8	14. 73	-19. 872				18	P.	7	15. 46	+ 1. 096	15. 46	+ 1. 144	-0. 0285
12	P.	6	9. 63	-21. 132	12. 72	-21. 190	-0. 0289	20	M. P.	5 7	6. 60 16. 90	+ 0. 044 - 0. 380	12. 61	- 0. 175	-0. 0288
12	L.	7	15. 36	-21. 387				21	P. L.	4 6	6. 75 17. 05	- 0. 650 - 1. 160	12. 93	- 0. 873	-0. 0289
13	L.	6	5. 70	-21. 798	8. 14	-21. 740	-0. 0289	23	M. P.	5 7	6. 88 16. 90	- 2. 070 - 2. 380	12. 72	- 2. 223	-0. 0292
13	P.	8	10. 58	-21. 837				24	P. L.	4 5	6. 95 17. 24	- 2. 682 - 3. 218	12. 67	- 2. 900	-0. 0293
17	P.	11	5. 57	-24. 433	5. 57	-24. 385	-0. 0288	25	L.	5	7. 04	- 3. 516	7. 04	- 3. 410	-0. 0294
18	P.	6	15. 45	-25. 410	15. 45	-25. 362	-0. 0287	27	M. P.	6 4	9. 57 17. 68	- 5. 045 - 5. 198	12. 81	- 5. 087	-0. 0297
20	P.	6	15. 55	-26. 852	15. 55	-26. 804	-0. 0287	28	P. L.	5 4	7. 46 17. 58	- 5. 566 - 6. 028	11. 96	- 5. 698	-0. 0298
21	P.	6	5. 70	-27. 178	5. 70	-27. 130	-0. 0287	29	L.	8	8. 84	- 6. 490	8. 84	- 6. 384	-0. 0299
23	M.	10	5. 33	-28. 528	8. 76	-28. 626	-0. 0286	30	M. P.	6 7	9. 00 17. 56	- 7. 083 - 7. 430	13. 61	- 7. 244	-0. 0301
23	P.	5	15. 62	-28. 870				31	P. L.	5 5	7. 46 17. 64	- 7. 976 - 8. 422	12. 55	- 8. 122	-0. 0332
24	P.	6	5. 70	-29. 207	10. 66	-29. 373	-0. 0286	Apr. 1	L.	6	9. 00	- 8. 905	9. 00	- 8. 799	-0. 0327
24	L.	8	15. 62	-29. 693				6	P.	5	17. 78	-12. 808	17. 78	-12. 760	-0. 0294
25	L.	6	5. 70	-30. 008	5. 70	-29. 902	-0. 0286	9	L. M.	6 6	10. 55 17. 82	-14. 712 -14. 792	14. 18	-14. 699	-0. 0277
27	M.	8	5. 56	-31. 275	5. 56	-31. 275	-0. 0285	10	M. P.	11 5	11. 07 17. 76	-15. 285 -15. 502	14. 11	-15. 362	-0. 0271
Mar. 1	L.	6	5. 62	-32. 758	5. 62	-32. 652	-0. 0285								
3	P.	6	5. 70	-33. 970	5. 70	-33. 922	-0. 0284								
6	M.	10	5. 80	-36. 044	5. 80	-36. 044	-0. 0283								
8	L.	10	5. 83	-37. 456	5. 83	-37. 350	-0. 0283								
9	M.	10	6. 05	-38. 080	6. 05	-38. 080	-0. 0283								
10	P.	10	6. 96	-38. 789	6. 96	-38. 741	-0. 0282								
11	L.	9	7. 61	-39. 589	7. 61	-39. 483	-0. 0282								

Relative personal equation correction: M. = -0.000; P. = +0.048; L. = +0.106.

TABLE XXI.—*The Constants c, b, a, n, and m.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1903 Sept. 3	Ei.	^h 19.0— ^h 19.8	^s -0.039	^s +0.178	^s -0.209	^s -0.214	^h 18 50— ^m 22 25	^s -0.042	^s +0.281	^h +0.015
3		22.4—22.8	-0.047	+0.198	-0.199	-0.206	22 55—1 15	-0.042	+0.281	+0.030
3		1.3—1.7	-0.043	+0.203	-0.210	-0.192				
4	L.	3.7—4.1	-0.048	+0.214	-0.210	-0.209	4 30—6 20	-0.040	+0.294	+0.042
4		6.4—6.7	-0.037	+0.217	-0.206	-0.184				
4		10.0—10.4	-0.022	+0.194	-0.146	-0.158	10 12	-0.018	+0.247	+0.054
5		12.3—13.0	-0.017	+0.169	-0.197	-0.181	12 36	-0.018	+0.247	+0.016
5		18.2 .....	.....	.....	-0.224	-0.173	18 12	-0.022	+0.257	-0.009
							19 48	-0.022	+0.257	+0.019
5	Ei.	19.7—20.0	-0.056	+0.149	-0.228	-0.163	19 48	-0.039	+0.266	+0.019
5		22.7—22.9	-0.048	+0.201	-0.175	-0.161	22 48	-0.039	+0.266	+0.053
5		0.8—1.1	-0.050	+0.221	-0.171	-0.174	22 55—0 35	-0.039	+0.266	+0.058
6	R.	21.0—21.4	-0.042	+0.254	-0.245	-0.201	21 30—0 5	-0.034	+0.326	+0.068
6		0.5—1.2	-0.044	+0.246	-0.208	-0.190				
6	L.	3.4—3.8	-0.064	+0.264	-0.229	-0.203	3 50—6 20	-0.060	+0.330	+0.074
6		6.4—6.7	-0.055	+0.265	-0.194	-0.218				
6		10.3—10.6	-0.052	+0.283	-0.226	-0.220	10 55—12 40	-0.054	+0.343	+0.070
7		12.7—13.0	-0.052	+0.262	-0.214	-0.235				
7		17.0—17.3	-0.064	+0.214	-0.236	-0.237	17 20—19 55	-0.063	+0.322	+0.024
7		20.0—20.3	-0.055	+0.235	-0.224	-0.248				
9	L.	10.5—10.9	-0.029	+0.224	-0.190	-0.219	10 42	-0.036	+0.295	+0.026
10		12.9—13.2	-0.035	+0.157	-0.207	-0.141	13 0	-0.036	+0.234	+0.026
10		16.6—17.0	-0.026	+0.164	-0.158	-0.184	17 10—19 35	-0.036	+0.227	+0.018
10	Ei.	19.8—20.2	-0.045	+0.151	-0.163	-0.152	20 0	-0.044	+0.226	+0.021
10		22.9—23.2	-0.039	+0.191	-0.141	-0.143	23 6	-0.044	+0.226	+0.059
10		1.7—2.1	-0.047	+0.206	-0.120	-0.141	23 15—2 30	-0.044	+0.226	+0.066
10	R.	10.5—10.9	-0.025	+0.202	-0.170	-0.113	10 42	-0.035	+0.237	+0.068
11		12.7—13.4	-0.043	+0.150	-0.119	-0.127	13 0	-0.035	+0.189	+0.038
11		16.9—17.3	-0.029	+0.133	-0.119	-0.139	17 25—19 50	-0.034	+0.186	+0.024
11	Ei.	19.9—20.4	-0.032	+0.146	-0.126	-0.137	20 40—22 45	-0.042	+0.196	+0.028
11		22.8—23.2	-0.052	+0.149	-0.141	-0.140	23 0	-0.042	+0.196	+0.028
11		1.2—2.0	-0.042	+0.163	-0.116	-0.109	1 36	-0.042	+0.196	+0.058
11	L.	5.1—6.3	-0.037	+0.176	-0.110	-0.119	3 10—6 0	-0.040	+0.194	+0.060
11		10.5—10.8	-0.023	+0.179	-0.086	-0.123	11 15—11 20	-0.032	+0.188	+0.067
12		17.3—17.5	-0.023	+0.156	-0.115	-0.140	17 35—20 15	-0.034	+0.198	+0.038
12	Ei.	20.5—20.9	-0.048	+0.149	-0.152	-0.115	21 10—23 20	-0.041	+0.197	+0.044
12		23.4—23.7	-0.052	+0.150	-0.119	-0.106	23 50—2 10	-0.041	+0.197	+0.060
12		2.2—2.7	-0.039	+0.181	-0.122	-0.109				
12	R.	3.8—4.5	-0.026	+0.191	-0.110	-0.119	4 15—6 35	-0.024	+0.210	+0.080
12		6.8—7.1	-0.024	+0.195	-0.119	-0.103				
13	L.	3.7—4.1	-0.041	+0.210	-0.114	-0.129	4 10—6 45	-0.046	+0.224	+0.072
13		6.8—7.1	-0.036	+0.195	-0.111	-0.161				
13		10.7—11.0	-0.021	+0.171	-0.159	-0.128	11 20—12 55	-0.020	+0.210	+0.036
14		13.1—13.4	-0.034	+0.132	-0.152	-0.126				
14		17.4—17.7	-0.045	+0.126	-0.184	-0.142	17 45—20 20	-0.034	+0.220	+0.007
14	Ei.	20.5—20.9	-0.047	+0.136	-0.194	-0.147	21 5—23 20	-0.044	+0.216	+0.024
14		23.5—0.0	-0.049	+0.161	-0.142	-0.137	23 45—1 50	-0.044	+0.216	+0.050
14		1.9—2.3	-0.052	+0.181	-0.129	-0.121				
14	R.	10.6—11.1	-0.036	+0.164	-0.157	-0.129	11 25—13 0	-0.028	+0.218	+0.041
15		12.6—13.3	-0.035	+0.158	-0.157	-0.121				
15		17.5—17.9	-0.043	+0.120	-0.172	-0.148	18 15—20 45	-0.037	+0.210	-0.004
15	Ei.	20.9—21.3	-0.047	+0.123	-0.191	-0.158	21 30—23 50	-0.044	+0.214	+0.008
15		23.9—0.3	-0.055	+0.135	-0.148	-0.131	0 30—3 0	-0.044	+0.214	+0.034
15		3.1—3.5	-0.058	+0.163	-0.174	-0.119				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _m	a _s		c	n	m
1903										
Sept. 15	L.	h h 6.8—7.5	s -0.033	s +0.180	s -0.146	s -0.136	h m h m 3 55—7 20	s -0.036	s +0.225	s +0.050
15		10.9—11.2	-0.055	+0.139	-0.225	-0.117	11 30—13 0	-0.041	+0.222	+0.010
16		13.2—13.6	-0.042	+0.139	-0.158	-0.168				
16		17.5—17.8	-0.043	+0.124	-0.224	-0.193	17 55—19 55	-0.036	+0.246	-0.013
16		20.1—20.4	-0.039	+0.155	-0.193	-0.187				
Micrometer removed to insert new thread.										
18	Ei.	20.9—21.3	-0.196	+0.235	-0.225	-0.137	21 30—23 50	-0.173	+0.302	+0.091
18		23.9—0.4	-0.171	+0.266	-0.163	-0.167	0 12	-0.173	+0.302	+0.101
18		3.1—3.6	-0.170	+0.296	-0.161	-0.149	3 18	-0.173	+0.302	+0.136
18	L.	7.1—7.4	-0.147	+0.331	-0.118	-0.140	3 18	-0.160	+0.306	+0.136
							7 18	-0.160	+0.306	+0.172
Collimation adjusted.										
18		10.9—11.4	-0.032	+0.318	-0.173	.....			
19		17.7—18.0	-0.061	+0.261	-0.212	-0.219	18 0—19 10	-0.062	+0.342	+0.081
19		20.3—20.7	-0.060	+0.299	-0.245	-0.255				
19	Ei.	21.3—21.7	-0.066	+0.284	-0.222	-0.203	21 45—0 15	-0.066	+0.344	+0.098
19		0.2—0.7	-0.087	+0.278	-0.225	-0.171	0 24	-0.066	+0.344	+0.103
19		3.3—4.0	-0.068	+0.331	-0.183	-0.171	3 36	-0.066	+0.344	+0.149
20	R.	4.9—5.4	-0.060	+0.287	-0.204	-0.203	5 40—7 25	-0.057	+0.342	+0.106
20		7.7—8.0	-0.054	+0.309	-0.196	-0.197				
20		10.8—11.3	-0.068	+0.297	-0.186	-0.135	11 6	-0.068	+0.315	+0.132
21		12.9—13.5	-0.068	+0.259	-0.184	-0.189	13 18	-0.068	+0.315	+0.084
21		17.8—18.2	-0.068	+0.235	-0.233	-0.245	18 25—20 50	-0.074	+0.326	+0.022
21	Ei.	21.2—21.6	-0.070	+0.218	-0.220	-0.258	21 45—0 15	-0.075	+0.332	+0.018
21		0.2—0.9	-0.078	+0.234	-0.257	-0.252	0 35—3 10	-0.075	+0.360	+0.034
21		3.3—3.6	-0.068	+0.273	-0.259	-0.268				
21	L.	6.9—7.2	-0.061	+0.259	-0.238	-0.231	4 30—6 50	-0.064	+0.360	+0.050
22		17.7—18.2	-0.048	+0.154	-0.255	-0.233	18 0—20 40	-0.048	+0.304	-0.029
22	Ei.	20.8—21.2	-0.061	+0.170	-0.287	-0.245	21 25—23 50	-0.060	+0.306	-0.018
22		23.7—0.3	-0.068	+0.179	-0.242	-0.232	0 35—3 0	-0.060	+0.306	+0.008
22		3.3—3.8	-0.061	+0.205	-0.223	-0.216				
22	R.	7.7—8.1	-0.046	+0.203	-0.200	-0.174	4 30—7 30	-0.049	+0.289	+0.034
22		11.0—11.6	-0.030	+0.241	-0.191	-0.210	11 10—12 0	-0.036	+0.304	+0.058
23		19.7—20.2	-0.036	+0.168	-0.277	-0.210	18 45—22 10	-0.024	+0.309	-0.004
23		21.9—22.7	-0.046	+0.180	-0.272	-0.213				
23	L.	4.5—4.8	-0.045	+0.217	-0.226	-0.229	4 55—6 45	-0.048	+0.324	+0.034
23		7.1—7.4	-0.050	+0.245	-0.233	-0.238				
23		11.1—11.5	-0.034	+0.256	-0.220	-0.252	12 0—12 5	-0.049	+0.340	+0.045
24		14.7—15.2	-0.042	+0.232	-0.183	-0.236	15 0—15 5	-0.049	+0.300	+0.038
24		18.0—18.3	-0.057	+0.210	-0.234	-0.267	18 12	-0.068	+0.321	0.000
							21 30	-0.068	+0.373	+0.061
24	Ei.	21.3—21.8	-0.076	+0.276	-0.261	-0.242	21 30	-0.063	+0.373	+0.061
24		0.3—0.8	-0.061	+0.335	-0.294	-0.268	0 36	-0.063	+0.434	+0.090
24		3.6—4.3	-0.082	+0.329	-0.234	-0.222	1 10—3 30	-0.063	+0.424	+0.100
24	R.	7.9—8.4	-0.048	+0.357	-0.225	-0.244	4 40—7 50	-0.060	+0.408	+0.118
24		11.0—11.7	-0.075	+0.320	-0.174	.....	11 5—12 10	-0.079	+0.339	+0.137
25		13.3 .....	.....	.....	.....	-0.185	15 55—16 0	-0.079	+0.311	+0.059
25		15.9—16.5	-0.071	+0.259	-0.174	-0.236	16 18	-0.079	+0.311	+0.046
							19 18	-0.079	+0.356	+0.046
25		19.0—19.5	-0.072	+0.251	-0.255	-0.258	19 55—20 55	-0.079	+0.359	+0.046
25	Ei.	21.3—21.7	-0.075	+0.266	-0.258	-0.233	22 0—0 25	-0.080	+0.358	+0.056
25		0.3—0.7	-0.087	+0.267	-0.236	-0.244	0 36	-0.080	+0.350	+0.055
25		3.6—4.0	-0.077	+0.292	-0.206	-0.223	3 48	-0.080	+0.350	+0.090

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1903 Sept.	L.	h h	s	s	s	s	h m h m	s	s	s
		7.8—8.0	-0.052	+0.302	-0.193	-0.201	4 40—7 40	-0.068	+0.344	+0.100
		11.3—11.7	-0.063	+0.281	-0.220	-0.203	11 5—12 10	-0.058	+0.345	+0.090
		17.2—17.5	-0.058	+0.172	-0.241	-0.271	16 50—21 15	-0.072	+0.305	-0.022
	L.	21.4—21.7	-0.073	+0.189	-0.239	-0.255				
		4.8—5.1	-0.052	+0.271	-0.189	-0.252	5 15—7 40	-0.071	+0.340	+0.062
		7.8—8.1	-0.078	+0.261	-0.244	-0.220				
		11.4—11.8	-0.042	+0.298	-0.238	-0.243	11 0—12 20	-0.043	+0.374	+0.080
	Ei.	18.2—18.4	-0.052	+0.246	-0.239	-0.265	18 0—20 50	-0.066	+0.352	+0.037
		21.7—22.2	-0.071	+0.262	-0.248	-0.252	21 54	-0.071	+0.372	+0.046
		0.9—1.4	-0.092	+0.286	-0.270	-0.228	1 12	-0.071	+0.372	+0.084
							1 12	-0.071	+0.380	+0.084
	R.	4.1—4.6	-0.073	+0.329	-0.213	-0.211	4 24	-0.071	+0.380	+0.124
		7.6—8.0	-0.070	+0.331	-0.197	-0.219	5 5—7 25	-0.074	+0.369	+0.123
		11.5—11.9	-0.074	+0.338	-0.223	-0.182	11 0—12 25	-0.064	+0.376	+0.144
		19.1—19.7	-0.110	+0.258	-0.233	-0.220	19 30	-0.108	+0.352	+0.061
	Ei.						22 0	-0.108	+0.352	+0.103
		21.7—22.2	-0.110	+0.306	-0.222	-0.215	22 15—1 40	-0.108	+0.359	+0.106
		1.0—2.1	-0.106	+0.310	-0.204	-0.213	2 0—4 0	-0.108	+0.356	+0.122
		4.1—4.6	-0.124	+0.312	-0.224	-0.162				
	L.						4 24	-0.103	+0.368	+0.134
		7.1—7.9	-0.084	+0.385	-0.163	-0.217	7 30	-0.103	+0.368	+0.169
		11.6—12.0	-0.103	+0.309	-0.238	-0.188	11 0—12 25	-0.090	+0.368	+0.117
		17.7—17.9	-0.097	+0.242	-0.237	-0.250	18 0—21 15	-0.097	+0.346	+0.031
Oct.	R.	21.4—21.7	-0.100	+0.238	-0.269	-0.244				
		5.1—5.7	-0.096	+0.295	-0.217	-0.212	5 50—7 30	-0.098	+0.354	+0.104
		7.7—8.0	-0.102	+0.312	-0.207	-0.207				
		11.3—11.8	-0.094	+0.293	-0.205	-0.149	11 0—12 30	-0.084	+0.331	+0.129
	L.	18.4—18.8	-0.090	+0.197	-0.245	-0.216	18 55—20 15	-0.087	+0.312	+0.019
		20.5—20.9	-0.097	+0.211	-0.239	-0.223				
		5.1—5.4	-0.087	+0.232	-0.232	-0.225	5 25—7 40	-0.092	+0.324	+0.040
		7.9—8.2	-0.094	+0.242	-0.214	-0.239				
	Micrometer removed to insert new thread.									
	L.	21.1—21.5	-0.100	+0.264	-0.238	-0.177	21 35—23 50	-0.089	+0.334	+0.084
		23.9—0.2	-0.098	+0.265	-0.213	-0.198				
	R.	5.6—6.0	-0.108	+0.265	-0.221	-0.176	5 15—7 30	-0.099	+0.322	+0.086
		7.9—8.2	-0.110	+0.255	-0.210	-0.182				
		11.3—11.8	-0.091	+0.281	-0.203	-0.173	10 55—12 45	-0.083	+0.327	+0.107
	R.	0.7—1.0	-0.116	+0.227	-0.233	-0.163	0 20—0 25	-0.098	+0.308	+0.067
		18.5—18.9	-0.093	+0.211	-0.194	-0.192	19 25—22 5	-0.092	+0.281	+0.046
		22.5—23.1	-0.091	+0.213	-0.186	-0.186				
		1.7—2.2	-0.103	+0.202	-0.193	-0.171	1 10—1 15	-0.097	+0.273	+0.048
	R.	11.9—12.4	-0.100	+0.234	-0.179	-0.160				
		18.5—19.9	-0.094	+0.182	-0.197	-0.176	18 55—21 50	-0.098	+0.266	+0.021
	Ei.	22.0—22.3	-0.113	+0.174	-0.212	-0.191				
		11.3—11.5	-0.096	+0.331	-0.187	-0.152	11 0—13 10	-0.087	+0.350	+0.152
		12.4—12.7	-0.087	+0.338	-0.181	-0.185				
		19.0—19.4	-0.107	+0.323	-0.235	-0.248	19 25—21 50	-0.108	+0.373	+0.092
	Ei.	21.9—22.2	-0.116	+0.284	-0.238	-0.209	22 40—1 15	-0.108	+0.354	+0.091
		1.3—1.6	-0.114	+0.295	-0.216	-0.211	1 30	-0.108	+0.354	+0.096
		4.6—5.4	-0.110	+0.328	-0.199	-0.181	5 0	-0.108	+0.354	+0.140
	Br.	8.6—9.3	-0.102	+0.359	-0.184	-0.186	5 55—8 55	-0.108	+0.363	+0.152
		12.0—12.7	-0.119	+0.313	-0.218	-0.160	11 0—13 15	-0.104	+0.353	+0.136
		18.8—19.2	-0.103	+0.276	-0.193	-0.226	19 20—21 50	-0.117	+0.330	+0.078

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1903										
Oct. 13	Ei.	h h 22.0—22.4	s -0.136	s +0.255	s -0.230	s -0.183	h m h m 22 40—1 15	s -0.117	s +0.328	s +0.086
13		1.3—1.6	-0.142	+0.264	-0.226	-0.170	2 5—4 35	-0.117	+0.340	+0.097
13		4.6—5.0	-0.136	+0.288	-0.232	-0.189				
13	R.	8.7—9.0	-0.115	+0.325	-0.233	-0.222	4 48	-0.117	+0.351	+0.106
13		12.0—12.9	-0.118	+0.278	-0.255	-0.148	8 48	-0.117	+0.383	+0.106
14		20.0—20.2	-0.117	+0.251	-0.245	-0.244	11 0—13 20	-0.118	+0.332	+0.089
14		23.3—23.6	-0.130	+0.236	-0.274	-0.234	20 50—23 10	-0.118	+0.350	+0.036
14	L.	6.0—6.3	-0.119	+0.314	-0.243	-0.204	6 25—9 25	-0.102	+0.372	+0.114
14		9.1—9.5	-0.101	+0.317	-0.219	-0.204				
14		12.8—13.0	-0.114	+0.313	-0.210	-0.144	11 0—11 5	-0.096	+0.345	+0.146
15		19.8—20.1	-0.126	+0.291	-0.222	-0.187	20 15—22 25	-0.115	+0.344	+0.099
15	Ei.	22.5—23.0	-0.121	+0.274	-0.229	-0.185	23 0—1 20	-0.115	+0.336	+0.102
15		1.6—2.0	-0.132	+0.283	-0.213	-0.164				
18	L.	6.3—6.7	-0.121	+0.321	-0.122	-0.140	6 30	-0.113	+0.316	+0.164
18		9.1—9.6	-0.093	+0.397	-0.098	-0.121	9 18	-0.113	+0.316	+0.234
18		12.7—13.3	-0.122	+0.355	-0.077	-0.093	11 5—13 35	-0.126	+0.305	+0.243
19		20.0—20.3	-0.113	+0.341	-0.171	-0.187	20 20—22 35	-0.124	+0.350	+0.142
19	Ei.	22.7—23.1	-0.135	+0.316	-0.205	-0.170	22 54	-0.124	+0.356	+0.136
19		1.8—2.1	-0.145	+0.344	-0.199	-0.155	2 0	-0.124	+0.356	+0.166
19		5.0—5.4	-0.135	+0.347	-0.170	-0.156	2 30—4 50	-0.124	+0.354	+0.168
19	Br.	8.9—9.2	-0.103	+0.418	-0.135	-0.155	5 12	-0.124	+0.360	+0.170
19		12.7—13.1	-0.114	+0.359	-0.167	-0.185	9 6	-0.124	+0.360	+0.230
20		19.4—19.8	-0.110	+0.280	-0.182	-0.192	20 5—23 5	-0.115	+0.326	+0.100
20	Ei.	23.2—23.6	-0.126	+0.279	-0.207	-0.180	23 50—2 35	-0.135	+0.314	+0.089
20		2.6—2.9	-0.148	+0.242	-0.189	-0.176	3 0—5 30	-0.135	+0.300	+0.084
20		5.7—6.2	-0.143	+0.260	-0.202	-0.131				
20	R.	8.8—9.5	-0.104	+0.276	-0.200	-0.173	6 0	-0.143	+0.313	+0.097
20		12.8—13.4	-0.104	+0.290	-0.202	-0.183	9 18	-0.096	+0.313	+0.097
21		19.7—20.0	-0.126	+0.233	-0.237	-0.181	19 48	-0.110	+0.322	+0.062
21		23.4—23.9	-0.121	+0.268	-0.213	-0.166	23 36	-0.110	+0.322	+0.100
21	L.	6.2—6.5	-0.107	+0.347	-0.224	-0.194	6 35—9 25	-0.102	+0.354	+0.152
21		9.5—9.7	-0.107	+0.323	-0.154	-0.145				
21		12.9—13.3	-0.092	+0.325	-0.160	-0.174				
22		20.0—20.3	-0.127	+0.242	-0.222	-0.192	20 15—22 55	-0.119	+0.322	+0.072
22	Ei.	23.2—23.5	-0.124	+0.255	-0.224	-0.185	23 50—2 35	-0.119	+0.319	+0.092
22		2.6—2.9	-0.135	+0.262	-0.206	-0.150	3 15—5 30	-0.119	+0.310	+0.101
22		5.6—6.0	-0.126	+0.267	-0.184	-0.173				
23	R.	12.9—13.3	-0.116	+0.381	-0.138	-0.150				
25	L.	6.5—6.9	-0.117	+0.416	-0.146	-0.144	7 0—9 40	-0.111	+0.374	+0.238
25		9.5—9.9	-0.115	+0.415	-0.156	-0.121	11 20—11 25	-0.105	+0.366	+0.232
25		13.2—13.6	-0.103	+0.400	-0.138	-0.147	13 0—14 5	-0.105	+0.360	+0.221
26		19.4—19.6	-0.110	+0.422	-0.145	-0.153	19 30	-0.121	+0.380	+0.229
26	Ei.	23.3—23.7	-0.138	+0.369	-0.122	-0.095	23 30	-0.121	+0.320	+0.229
26	Br.	6.7—7.8	-0.126	+0.434	-0.077	-0.075	6 50—9 50	-0.128	+0.328	+0.297
26		10.0—10.2	-0.129	+0.441	-0.057	-0.063	11 25—11 30	-0.125	+0.332	+0.297
26		12.9—13.6	-0.121	+0.439	-0.086	-0.080	14 0—14 5	-0.120	+0.341	+0.290
27		20.3—20.8	-0.095	+0.448	-0.082	-0.124	19 55—20 0	-0.106	+0.342	+0.280
27		23.3—23.5	-0.119	+0.428	-0.083	-0.075	21 0—23 10	-0.124	+0.342	+0.280
27	Ei.	2.3—2.9	-0.149	+0.389	-0.094	-0.058	0 0—2 25	-0.124	+0.320	+0.274
27		5.6—6.1	-0.145	+0.383	-0.079	-0.049	3 5—5 30	-0.124	+0.303	+0.263
27	R.	9.8—10.3	-0.122	+0.407	-0.073	-0.060	7 20—9 25	-0.124	+0.302	+0.271
27		12.9—13.7	-0.150	+0.392	-0.141	-0.008	11 25—11 30	-0.117	+0.317	+0.282
							13 10—14 10	-0.115	+0.326	+0.286

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>a</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1903		<i>h h</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>h m h m</i>	<i>s</i>	<i>s</i>	<i>s</i>
Oct. 28	R.	20.5—21.2	-0.131	+0.339	-0.174	-0.151	20 45—23 40	-0.132	+0.330	+0.172
28		23.9—0.2	-0.128	+0.347	-0.115	-0.158				
28	L.	6.7—7.1	-0.124	+0.368	-0.153	-0.163	0 54	-0.122	+0.350	+0.186
28		9.9—10.2	-0.114	+0.395	-0.125	-0.140	10 6	-0.122	+0.350	+0.220
28		13.3—13.8	-0.124	+0.355	-0.141	-0.090	11 30—11 35	-0.114	+0.335	+0.217
29		20.5—20.8	-0.135	+0.302	-0.233	-0.162	13 20—14 15	-0.110	+0.322	+0.214
29							20 42	-0.128	+0.356	+0.116
29							23 30	-0.128	+0.311	+0.116
29	Ei.	23.3—23.7	-0.128	+0.274	-0.176	-0.183	0 0—3 45	-0.128	+0.313	+0.116
29		2.3—2.7	-0.144	+0.287	-0.180	-0.158				
Nov. 2	Br.	6.7—7.6	-0.084	+0.355	-0.196	-0.222	8 55—9 40	-0.104	+0.379	+0.142
2		9.7—10.0	-0.119	+0.344	-0.209	-0.195	11 40—11 45	-0.102	+0.386	+0.130
2		13.5—14.2	-0.091	+0.336	-0.241	-0.229	13 50—14 35	-0.088	+0.396	+0.116
3		20.5—20.8	-0.100	+0.267	-0.247	-0.229	21 0—23 50	-0.111	+0.355	+0.072
3	Ei.	0.0—0.3	-0.127	+0.274	-0.245	-0.202	0 40—2 50	-0.111	+0.354	+0.080
3		2.9—3.3	-0.119	+0.281	-0.228	-0.224	3 20—5 45	-0.111	+0.347	+0.083
3		5.9—6.3	-0.134	+0.276	-0.225	-0.196	6 20—6 25	-0.111	+0.359	+0.094
3	R.	9.8—10.1	-0.106	+0.308	-0.241	-0.223	7 45—9 25	-0.111	+0.359	+0.094
3		13.4—13.8	-0.109	+0.343	-0.217	-0.149	11 45—11 50	-0.096	+0.373	+0.131
4		21.0—21.4	-0.102	+0.278	-0.243	-0.205	14 30—14 40	-0.091	+0.369	+0.166
4		0.3—0.6	-0.112	+0.271	-0.243	-0.193	21 30—23 50	-0.095	+0.352	+0.084
4	L.	11.8—12.2	-0.071	+0.275	-0.207	-0.249	11 50—14 5	-0.076	+0.334	+0.068
4		13.7—14.3	-0.082	+0.248	-0.229	-0.182	14 35—14 40	-0.076	+0.324	+0.074
5	Br.	11.7—12.3	-0.123	+0.353	-0.167	-0.169	11 50—11 55	-0.124	+0.352	+0.168
5		13.8—14.4	-0.113	+0.389	-0.180	-0.173	14 40—14 45	-0.111	+0.383	+0.193
5		20.7—21.5	-0.111	+0.426	-0.113	-0.150	21 12	-0.133	+0.364	+0.241
5							0 36	-0.133	+0.416	+0.265
5	Ei.	0.2—0.9	-0.134	+0.463	-0.166	-0.148	3 18	-0.133	+0.363	+0.323
6		2.7—3.6	-0.125	+0.482	-0.076	-0.084	6 12	-0.133	+0.314	+0.351
6		5.9—6.6	-0.151	+0.468	-0.028	-0.021	8 20—6 25	-0.133	+0.316	+0.352
6							6 12	-0.133	+0.316	+0.351
6	R.	10.6—11.0	-0.143	+0.486	-0.021	-0.008	10 48	-0.133	+0.316	+0.371
6		13.7—14.4	-0.136	+0.530	-0.018	-0.022	11 55—12 0	-0.133	+0.328	+0.389
7		20.4—20.8	-0.160	+0.466	-0.045	-0.027	14 45—14 50	-0.126	+0.337	+0.421
7		0.5—0.8	-0.148	+0.495	-0.048	-0.075	21 0—0 10	-0.154	+0.339	+0.342
7		5.9—6.3	-0.158	+0.482	-0.044	-0.018	5 35—5 40	-0.154	+0.331	+0.361
8	L.	6.4—6.9	-0.149	+0.471	+0.033	-0.025	0 40—10 5	-0.154	+0.296	+0.344
8		10.2—10.5	-0.145	+0.450	-0.034	-0.031	12 0—12 5	-0.126	+0.301	+0.357
8		14.0—14.6	-0.106	+0.489	+0.017	.....	14 25—15 0	-0.106	+0.294	+0.391
9		21.3—21.6	-0.142	+0.416	-0.103	-0.078	21 30	-0.143	+0.326	+0.271
9							0 30	-0.143	+0.326	+0.215
9	Ei.	0.3—0.7	-0.158	+0.355	-0.133	-0.091	1 5—3 45	-0.143	+0.316	+0.224
9		3.8—4.2	-0.180	+0.354	-0.133	-0.062	4 25—6 40	-0.143	+0.299	+0.240
9		6.7—7.1	-0.181	+0.345	-0.102	-0.032				
9	Br.	10.2—10.5	-0.131	+0.424	-0.089	-0.102	7 40—10 5	-0.143	+0.312	+0.257
9		14.1—14.7	-0.132	+0.427	-0.060	-0.112	12 5—12 10	-0.138	+0.334	+0.270
10		21.3—21.6	-0.125	+0.344	-0.138	-0.136	14 55—15 0	-0.141	+0.330	+0.271
10		0.5—0.6	-0.135	+0.334	-0.141	-0.137	21 45—1 30	-0.129	+0.320	+0.178
10	R.	8.2—9.0	-0.133	+0.319	-0.133	-0.128	8 40—11 20	-0.127	+0.311	+0.180
10		11.5—11.9	-0.146	+0.325	-0.173	-0.082	12 5—12 10	-0.128	+0.332	+0.189
10		14.1—14.4	-0.135	+0.360	-0.150	.....	15 0—15 5	-0.135	+0.343	+0.186

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1903		h h	s	s	s	s	h m h m	s	s	s
Nov. 11	L.	7.6—7.9	−0.125	+0.328	−0.203	−0.235	7 48	−0.140	+0.371	+0.118
11		10.8—11.0	−0.146	+0.305	−0.181	−0.180	10 54	−0.140	+0.332	+0.118
11		14.0—14.6	−0.136	+0.363	−0.187	−0.200	12 10—12 15	−0.142	+0.349	+0.137
							14 45—15 10	−0.139	+0.377	+0.158
12		21.4—21.7	−0.158	+0.326	−0.258	−0.195	21 50—0 25	−0.146	+0.386	+0.128
12	Ei.	0.9—1.4	−0.155	+0.338	−0.219	−0.207				
12	Br.	7.6—8.1	−0.137	+0.399	−0.168	−0.186	7 54	−0.130	+0.393	+0.196
12		10.9—11.2	−0.110	+0.460	−0.135	−0.164	11 0	−0.130	+0.393	+0.258
12		14.2—14.6	−0.142	+0.421	−0.138	−0.110				
Micrometer removed to insert new thread.										
20	Br.	8.5—8.8	−0.113	+0.568	+0.143	+0.135	8.42	−0.101	+0.243	+0.527
20		11.9—12.2	−0.078	+0.600	+0.187	+0.153	12 0	−0.101	+0.243	+0.567
							12 40—12 45	−0.096	+0.237	+0.564
20		15.0—15.3	−0.090	+0.600	+0.214	+0.127	15 40—15 45	−0.106	+0.235	+0.561
21		21.6—21.9	−0.128	+0.533	+0.122	+0.158	22 5—23 45	−0.117	+0.234	+0.512
21		0.7—0.9	−0.113	+0.553	+0.142	+0.132				
22	L.	8.9—9.2	−0.113	+0.550	+0.116	+0.117	9 6	−0.112	+0.255	+0.498
22		11.3—11.5	−0.105	+0.529	+0.153	+0.131	11 24	−0.112	+0.218	+0.498
23	Ei.	0.4—0.8	−0.124	+0.453	+0.070	+0.055	0 36	−0.124	+0.233	+0.388
23		3.9—4.3	−0.126	+0.418	+0.032	+0.053	4 6	−0.124	+0.233	+0.356
24	Br.	16.6—17.0	−0.106	+0.457	+0.004	+0.017	15 55—16 0	−0.103	+0.281	+0.364
24		20.7—21.0	−0.115	+0.473	−0.020	−0.003	20 25—20 30	−0.110	+0.309	+0.364
							20 54	−0.108	+0.322	+0.364
24		1.1—1.6	−0.104	+0.519	−0.008	−0.016	1 18	−0.108	+0.322	+0.394
25	R.	16.3—16.8	−0.127	+0.518	+0.055	+0.110	15 55—16 5	−0.112	+0.271	+0.466
25		21.5—21.8	−0.144	+0.484	+0.208	+0.277	21 15—22 20	−0.126	+0.127	+0.543
26	L.	21.7—22.4	−0.122	+0.568	+0.131	+0.158	21 45—22 20	−0.114	+0.250	+0.538
26	Br.	8.8—9.5	−0.132	+0.568	+0.214	+0.208	9 12	−0.137	+0.192	+0.573
26		12.3—12.6	−0.145	+0.608	+0.240	+0.261	12 24	−0.137	+0.192	+0.635
27		22.2—22.4	−0.148	+0.557	+0.220	+0.238	22 45—1 30	−0.136	+0.188	+0.582
27		1.7—1.9	−0.122	+0.587	+0.223	+0.198				
27	R.	9.7—10.2	−0.151	+0.568	+0.250	+0.267	10 25—12 5	−0.147	+0.168	+0.614
27		12.1—12.6	−0.167	+0.574	+0.214	+0.288	13 10—13 15	−0.152	+0.178	+0.622
27		15.1—15.4	−0.178	+0.576	+0.214	+0.293	16 10—16 15	−0.156	+0.178	+0.625
28		23.3—0.1	−0.138	+0.552	+0.269	+0.272	23 40—0 55	−0.144	+0.132	+0.592
28		1.2—1.5	−0.168	+0.519	+0.235	+0.301				
29	Br.	22.8—23.0	−0.112	+0.574	+0.295	+0.230	23 15—0 5	−0.128	+0.152	+0.598
29		0.7—0.9	−0.120	+0.575	+0.268	+0.237				
29	L.	9.0—9.4	−0.143	+0.561	+0.281	+0.282	9 30—12 11	−0.140	+0.130	+0.611
29		11.9—12.3	−0.148	+0.543	+0.262	+0.304	13 15—13 20	−0.144	+0.140	+0.597
29		15.5—15.9	−0.152	+0.550	+0.244	+0.254	16 20—16 25	−0.150	+0.153	+0.585
30		22.7—22.9	−0.154	+0.537	+0.229	+0.244	23 0—1 40	−0.150	+0.166	+0.570
30		1.8—2.1	−0.155	+0.550	+0.213	+0.228				
30	Br.	8.9—9.4	−0.144	+0.539	+0.263	+0.234	9 45—12 5	−0.150	+0.142	+0.580
30		12.4—12.7	−0.165	+0.533	+0.228	+0.289	13 20—13 25	−0.137	+0.150	+0.599
30		15.6—16.0	−0.119	+0.574	+0.252	+0.287	16 25—16 30	−0.110	+0.157	+0.624
Dec. 1		22.8—23.2	−0.131	+0.538	+0.217	+0.212	23 45—2 15	−0.130	+0.170	+0.552
1		1.7—1.9	−0.126	+0.539	+0.221	+0.209				
3	Br.	22.5—22.8	−0.133	+0.571	+0.229	+0.217	22 42	−0.150	+0.182	+0.582
							2 6	−0.150	+0.182	+0.551
3	Ei.	1.8—2.5	−0.173	+0.520	+0.168	+0.246	2 45—5 0	−0.150	+0.169	+0.548
3		5.1—5.4	−0.169	+0.508	+0.189	+0.249	5 45—8 0	−0.150	+0.155	+0.538
3		7.8—8.4	−0.177	+0.495	+0.193	+0.240				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1903		h h	s	s	s	s	h m h m	s	s	s
Dec. 3	R.	12.3—12.6	−0.140	+0.538	+0.232	+0.209	10 20—12 5	−0.150	+0.157	+0.542
3		15.8—16.2	−0.139	+0.580	+0.233	+0.222				
4	Br.	13.2—13.5	−0.131	+0.507	+0.157	+0.184				
4		15.8—16.2	−0.116	+0.516	+0.169	+0.104				
5		22.7—23.0	−0.121	+0.498	+0.120	+0.117	23 15—1 50	−0.123	+0.219	+0.466
5		2.1—2.3	−0.115	+0.507	+0.135	+0.115				
5		5.7—6.5	−0.116	+0.520	+0.147	+0.112	6 15—6 20	−0.123	+0.219	+0.474
6	R.	7.9—8.3	−0.127	+0.541	+0.211	+0.200	8 6	−0.134	+0.178	+0.562
6		11.7—12.0	−0.138	+0.581	+0.201	+0.196	11 48	−0.134	+0.210	+0.562
6		15.9—16.3	−0.151	+0.587	+0.206	+0.157	16 50—16 55	−0.160	+0.221	+0.564
7		22.7—23.1	−0.135	+0.533	+0.119	+0.140	22 54	−0.141	+0.225	+0.501
							2 12	−0.141	+0.225	+0.467
7	Ei.	1.9—2.5	−0.157	+0.492	+0.118	+0.136	2 0—5 0	−0.151	+0.210	+0.477
7		5.3—5.7	−0.150	+0.513	+0.149	+0.139	5 45—8 0	−0.151	+0.217	+0.488
7		7.9—8.5	−0.147	+0.526	+0.137	+0.125	8 20—8 25	−0.151	+0.226	+0.489
7	Br.	12.7—12.9	−0.136	+0.551	+0.148	+0.149	8 12	−0.143	+0.228	+0.489
							12 48	−0.143	+0.228	+0.522
7		16.2—16.5	−0.139	+0.555	+0.164	+0.101	13 50—13 55	−0.143	+0.234	+0.514
							16 55—17 0	−0.150	+0.238	+0.505
9	Br.	9.7—10.0	−0.133	+0.557	+0.140	+0.110	9 54	−0.134	+0.247	+0.506
9		12.9—13.2	−0.122	+0.592	+0.166	+0.151	13 6	−0.134	+0.247	+0.556
							13 55—14 0	−0.132	+0.248	+0.553
9		16.2—16.4	−0.151	+0.572	+0.124	+0.175	17 0—17 10	−0.137	+0.251	+0.550
10	R.	11.1—11.8	−0.142	+0.600	+0.146	+0.125	11 15—12 55	−0.143	+0.264	+0.554
10		12.7—13.0	.....	.....	+0.147	+0.153				
10		16.2—16.5	−0.140	+0.604	+0.166	+0.197	17 5—17 15	−0.132	+0.242	+0.590
11		23.3—23.7	−0.144	+0.555	+0.150	+0.182	0 0—2 5	−0.145	+0.224	+0.556
11	Ei.	2.5—3.1	−0.160	+0.576	+0.169	+0.201	3 10—6 25	−0.145	+0.216	+0.581
11		5.9—6.7	−0.151	+0.587	+0.198	+0.217				
11	Br.	10.0—10.7	−0.127	+0.610	+0.198	+0.199	10 50—13 30	−0.132	+0.226	+0.596
11		13.5—13.7	−0.127	+0.610	+0.216	+0.182	14 5—14 10	−0.132	+0.222	+0.593
11		16.3—16.6	−0.151	+0.613	+0.191	+0.218	17 10—17 20	−0.144	+0.230	+0.610
14	M.	0.3—0.8	−0.136	+0.564	+0.151	+0.139	1 30—3 40	−0.139	+0.236	+0.535
14		4.1—4.4	−0.142	+0.566	+0.153	+0.165				
14	Br.	12.8—13.1	−0.128	+0.581	+0.203	+0.191	13 20—14 10	−0.131	+0.210	+0.574
							14 15—14 20	−0.126	+0.226	+0.582
14		16.4—16.8	−0.115	+0.617	+0.191	+0.172	17 25—17 30	−0.120	+0.242	+0.590
15		23.5—23.9	−0.102	+0.617	+0.181	+0.153	23 42	−0.110	+0.246	+0.578
							3 6	−0.149	+0.246	+0.578
15	Ei.	2.8—3.3	−0.150	+0.597	+0.174	+0.177	3 6	−0.152	+0.239	+0.570
15		5.4—5.9	−0.172	+0.544	+0.175	+0.234	5 36	−0.152	+0.193	+0.570
16	R.	0.6—1.0	−0.126	+0.597	+0.255	+0.236	1 10—2 40	−0.134	+0.179	+0.606
16		2.9—3.2	−0.139	+0.574	+0.231	+0.244				
16	Br.	10.9—11.4	−0.145	+0.606	+0.286	+0.263	11 40—13 30	−0.146	+0.170	+0.643
16		13.7—14.0	−0.146	+0.610	+0.260	+0.278	14 25—14 30	−0.138	+0.182	+0.650
16		16.4—16.8	−0.126	+0.636	+0.284	+0.243	17 35—17 40	−0.136	+0.188	+0.653
17		23.2—23.5	−0.124	+0.609	+0.280	+0.246	23 35—2 10	−0.134	+0.180	+0.630
17		2.5—2.7	−0.132	+0.609	+0.256	+0.243				
17	M.	10.2—10.9	−0.170	+0.561	+0.255	+0.282	11 10—12 40	−0.157	+0.154	+0.618
17		13.0—13.3	−0.147	+0.592	+0.276	+0.261	14 30—14 35	−0.152	+0.166	+0.624
17		16.8—17.2	−0.150	+0.591	+0.252	+0.262	17 35—18 50	−0.152	+0.171	+0.624
18		19.0—19.4	−0.151	+0.598	+0.272	+0.250				
18		23.4—23.9	−0.154	+0.569	+0.246	+0.279	0 0—2 15	−0.146	+0.154	+0.616
18		2.9—3.2	−0.155	+0.565	+0.253	+0.288				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1903		h h	s	s	s	s	h m h m	s	s	■
Dec. 18	R.	11.2—11.7	−0.140	+0.552	+0.333	+0.323	12 0—13 30	−0.146	+0.104	+0.632
18		14.0—14.3	−0.148	+0.565	+0.304	+0.301	14 35—14 40	−0.149	+0.119	+0.629
18		17.3—18.0	−0.153	+0.597	+0.344	+0.346	17 40—17 50	−0.152	+0.108	+0.682
20	M.	10.3—10.7	−0.143	+0.564	+0.247	+0.246	11 5—12 40	−0.145	+0.166	+0.596
20		13.2—13.7	−0.148	+0.571	+0.242	+0.247	14 45—14 50	−0.147	+0.169	+0.598
21	Br.	11.7—12.0	−0.121	+0.593	+0.218	+0.179	12 10—13 30	−0.134	+0.206	+0.579
21		13.8—13.9	−0.139	+0.575	+0.202	+0.216				
21		17.1—17.6	−0.139	+0.556	+0.156	+0.202	17 55—18 0	−0.126	+0.218	+0.554
22		20.6—21.2	−0.126	+0.573	+0.173	+0.167	20 55—21 0	−0.128	+0.227	+0.552
22		23.3—23.5	−0.129	+0.570	+0.186	+0.183	23 45—2 35	−0.135	+0.216	+0.562
22	Ei.	2.7—3.3	−0.138	+0.578	+0.190	+0.184	3 25—7 25	−0.145	+0.205	+0.566
22		6.5—6.9	−0.158	+0.555	+0.192	+0.220				
22	R.	11.1—11.6	−0.132	+0.577	+0.231	+0.212	11 55—14 15	−0.140	+0.194	+0.596
22		14.0—14.5	−0.142	+0.600	+0.225	+0.227	14 50—15 0	−0.142	+0.194	+0.623
22		16.9—17.5	−0.138	+0.611	+0.250	+0.257	18 0—18 5	−0.136	+0.196	+0.623
23		19.2—19.7	−0.138	+0.588	+0.192	+0.253	19 15—19 20	−0.131	+0.196	+0.623
23		22.0—22.4	−0.130	+0.572	+0.205	+0.187	21 45—21 50	−0.131	+0.205	+0.574
23		1.8—2.1	−0.134	+0.559	+0.156	+0.178	22 40—1 30	−0.132	+0.214	+0.554
25	R.	17.1—17.6	−0.145	+0.570	+0.166	+0.216	18 15—18 20	−0.131	+0.226	+0.596
26		19.3—19.8	−0.143	+0.616	+0.183	+0.231				
26		23.7—0.6	−0.154	+0.573	+0.268	+0.262	0 6	−0.145	+0.158	+0.611
26		1.9—2.6	−0.142	+0.610	+0.276	+0.306	2 12	−0.145	+0.158	+0.664
27	M.	10.7—11.3	−0.169	+0.572	+0.260	+0.284	11 0	−0.155	+0.153	+0.621
27		12.6—13.0	−0.155	+0.600	+0.277	+0.303	12 48	−0.155	+0.153	+0.654
27		17.5—17.8	−0.142	+0.581	+0.292	+0.302	18 20—18 30	−0.140	+0.136	+0.641
28		23.7—0.4	−0.134	+0.601	+0.227	+0.267	0 35—2 10	−0.132	+0.180	+0.640
28		2.3—2.6	−0.148	+0.602	+0.264	+0.292				
28	Br.	17.4—17.8	−0.146	+0.632	+0.318	+0.374	18 25—18 35	−0.131	+0.137	+0.720
29		0.2—0.5	−0.135	+0.604	+0.316	+0.304	0 40—3 20	−0.137	+0.140	+0.662
29		3.9—4.2	−0.129	+0.613	+0.315	+0.292				
30	R.	19.4—19.7	−0.138	+0.611	+0.316	+0.327	18 30—20 0	−0.135	+0.135	+0.680
30		2.8—3.3	−0.141	+0.620	+0.351	+0.325	2 55—4 0	−0.148	+0.122	+0.689
30	Br.	11.7—12.2	−0.130	+0.639	+0.396	+0.355	12 20—13 55	−0.142	+0.096	+0.724
30		14.4—14.6	−0.142	+0.623	+0.389	+0.377	15 30—15 35	−0.145	+0.102	+0.718
30		17.7—18.1	−0.151	+0.620	+0.351	+0.370	18 35—18 40	−0.146	+0.113	+0.713
31		0.8—1.1	−0.144	+0.604	+0.305	+0.328	1 20—4 40	−0.138	+0.134	+0.670
31		4.9—5.1	−0.132	+0.606	+0.328	+0.309				
1904										
Jan. 13	Br.	12.3—12.5	(¹)	+0.669	+0.322	+0.322	12 50—14 50	−0.145	+0.175	+0.726
13		15.0—15.1	(¹)	+0.682	+0.318	+0.318	16 35—16 40	−0.143	+0.174	+0.722
13		18.5—18.8	(¹)	+0.661	+0.318	+0.320	19 35—19 45	−0.138	+0.167	+0.714
14		0.9—1.2	−0.136	+0.657	+0.334	+0.310	1 20—2 35	−0.152	+0.158	+0.696
14	Ei.	3.2—3.6	−0.163	+0.633	+0.306	+0.306	3 40—7 25	−0.166	+0.160	+0.686
14		6.7—7.5	−0.176	+0.631	+0.298	+0.319				
14	M.	17.1—17.4	−0.147	+0.620	+0.335	+0.317	16 40—16 45	−0.152	+0.132	+0.683
14		18.9—19.2	−0.177	+0.626	+0.299	+0.285				
15		0.2—0.7	−0.171	+0.611	+0.309	+0.319	1 0—2 35	−0.172	+0.128	+0.696
15	Ei.	3.2—3.7	−0.161	+0.644	+0.405	+0.319	3 55—6 10	−0.172	+0.124	+0.709
15		6.6—6.8	−0.172	+0.627	+0.331	+0.343				
15	Br.	12.3—12.7	−0.141	+0.652	+0.365	+0.357	12 55—14 25	−0.142	+0.136	+0.736
15		14.9—15.2	−0.128	+0.680	+0.377	+0.326				

¹ Collimation derived from marks.

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904		^h ^m	^s	^s	^s	^s	^h ^m ^s ^{ms}	^s	^s	^s
Jan. 17	M.	17.4—18.2	−0.185	+0.645	+0.375	+0.421	16 55—17 0	−0.172	+0.103	+0.762
17		19.1	−0.174	.....	+0.386	.....	19 55—20 0	−0.174	+0.120	+0.762
17		19.5 .....	.....	+0.668	.....	.....		
18		0.4—0.9	−0.170	+0.685	+0.360	+0.379	1 20—3 0	−0.164	+0.146	+0.780
18		3.2—3.6	−0.159	+0.713	+0.392	+0.377				
20	Br.	13.2—13.7	−0.161	+0.672	+0.389	+0.384	14 0—15 5	−0.156	+0.127	+0.768
20		15.6—15.7	−0.151	+0.684	+0.381	+0.384				
20		19.4—19.6	−0.154	+0.677	+0.370	+0.374				
21		22.7—23.3	−0.127	+0.666	+0.344	+0.311				
21		0.7—0.9	−0.155	+0.632	+0.296	+0.344	1 20—1 50	−0.144	+0.154	+0.691
21		2.8—3.1	−0.148	+0.623	+0.305	+0.312				
24	Br.	0.7—1.2	−0.106	+0.592	+0.293	+0.263	0 54	−0.119	+0.148	+0.629
24		4.2—4.6	−0.119	+0.616	+0.315	+0.294	4 24	−0.119	+0.148	+0.666
24	M.	12.5—13.1	−0.146	+0.551	+0.339	+0.354	13 20—15 30	−0.140	+0.084	+0.662
24		15.7—15.9	−0.142	+0.576	+0.348	+0.362				
24		19.7—20.9	−0.125	+0.615	+0.373	+0.269	20 25—20 30	−0.143	+0.105	+0.682
25		0.8—1.2	−0.153	+0.549	+0.337	+0.335	2 0—2 55	−0.152	+0.090	+0.652
25	Ei.	3.3—3.7	−0.151	+0.578	+0.338	+0.347	3 55—6 20	−0.150	+0.089	+0.676
25		6.5—6.9	−0.153	+0.581	+0.364	+0.371	7 10—9 40	−0.150	+0.077	+0.688
25		9.9—10.3	−0.170	+0.568	+0.347	+0.405				
26	R.	18.0—18.3	−0.147	+0.642	+0.396	+0.418	17 45—17 50	−0.141	+0.090	+0.760
26		19.4—19.8	−0.149	+0.644	+0.385	+0.406	20 30—20 40	−0.144	+0.100	+0.755
27		1.3—1.8	−0.168	+0.626	+0.359	+0.391	1 55—2 55	−0.162	+0.094	+0.739
27	Ei.	3.2—3.7	−0.161	+0.637	+0.414	+0.400	3 55—7 15	−0.159	+0.086	+0.756
27		7.0—7.5	−0.161	+0.646	+0.396	+0.419				
27	Br.	13.1—13.8	−0.156	+0.663	+0.432	+0.450	13 20—15 15	−0.153	+0.074	+0.803
27		15.6—15.8	−0.168	+0.661	+0.430	+0.477				
29	R.	19.9—20.3	−0.150	+0.708	+0.498	.....	20 45—20 50	−0.150	+0.058	+0.865
30		1.5—1.9	−0.168	+0.667	+0.433	+0.450	2 10—3 0	−0.162	+0.071	+0.802
30	Ei.	3.3—3.7	−0.167	+0.658	+0.443	+0.466	3 55—7 20	−0.164	+0.058	+0.803
30		6.8—7.5	−0.174	+0.653	+0.451	+0.477				
Feb. 2	Br.	2.3—2.6	−0.167	+0.649	+0.459	+0.474	2 24	−0.161	+0.042	+0.802
2	Ei.	4.5—4.9	−0.164	+0.613	+0.444	+0.459	4 42	−0.161	+0.042	+0.765
2	R.	10.8—11.3	−0.155	+0.639	+0.428	+0.423	10 25—12 15	−0.156	+0.070	+0.764
2		19.9—20.3	−0.170	+0.639	+0.432	+0.467	21 0—21 5	−0.160	+0.057	+0.787
3		2.1—2.4	−0.167	+0.634	+0.445	+0.467	2 45—3 50	−0.169	+0.038	+0.774
3	Ei.	4.6—5.0	−0.180	+0.610	+0.452	+0.464	4 10—4 35	−0.169	+0.038	+0.774
3		7.8—8.1	−0.176	+0.629	+0.481	+0.486	5 15—7 20	−0.176	+0.024	+0.780
3	Br.	11.2—11.9	−0.156	+0.654	+0.472	+0.495	11 25—14 40	−0.151	+0.030	+0.826
3		15.0—15.3	−0.152	+0.664	+0.506	+0.506				
3		20.0—20.6	−0.152	+0.669	+0.492	+0.506	21 5—21 10	−0.148	+0.034	+0.836
4		2.4—2.7	−0.164	+0.625	+0.424	+0.396	2 50—3 50	−0.180	+0.054	+0.741
4	Ei.	4.7—5.0	−0.183	+0.611	+0.447	+0.427	4 10—4 40	−0.180	+0.054	+0.741
4		7.6—8.1	−0.176	+0.632	+0.451	+0.435	5 25—7 20	−0.184	+0.045	+0.756
4	R.	13.1—13.6	−0.162	+0.695	+0.442	+0.445	12 10—12 15	−0.161	+0.091	+0.819
5	Ei.	4.4—5.2	−0.150	+0.630	+0.237	+0.224	4 42	−0.157	+0.208	+0.632
6		7.9—8.1	−0.158	+0.570	+0.196	+0.225	5 0	−0.157	+0.208	+0.582
6							8 0	−0.157	+0.206	+0.582
6		10.8—11.3	−0.174	+0.545	+0.159	+0.184	11 6	−0.157	+0.206	+0.537

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _g		c	n	m
1904										
Feb. 7	Br.	h h 20.3—20.9	s -0.137	s +0.555	s +0.253	s +0.231	h m h m 21 20—21 30	s -0.143	s +0.157	s +0.579
8		2.8—3.2	-0.126	+0.592	+0.301	+0.270	3 0	-0.143	+0.144	+0.635
							4 54	-0.143	+0.098	+0.635
8	Ei.	4.7—5.1	-0.149	+0.560	+0.331	+0.318	4 54	-0.155	+0.092	+0.636
8		8.0—8.5	-0.171	+0.559	+0.322	+0.391	8 18	-0.155	+0.092	+0.673
8		11.1—11.5	-0.160	+0.595	+0.376	+0.371	8 35—10 45	-0.155	+0.084	+0.685
8	Br.	12.5 .....	.....	+0.593	.....	.....	12 10—16 10	-0.163	+0.075	+0.706
8		15.7—16.3	-0.151	+0.615	+0.416	+0.364				
8		19.2—19.4	-0.145	+0.600	+0.413	+0.381	18 50—18 55	-0.154	+0.063	+0.710
8		20.3—21.0	-0.131	+0.645	+0.444	+0.400	21 25—21 30	-0.142	+0.070	+0.758
9		2.7—3.1	-0.146	+0.615	+0.382	+0.366	3 10—4 20	-0.154	+0.090	+0.717
9	Ei.	4.7—5.2	-0.157	+0.619	+0.385	+0.385	5 25—8 0	-0.156	+0.090	+0.727
9		8.4—8.6	-0.152	+0.627	+0.392	+0.385				
10	Br.	18.4—18.7	-0.149	+0.671	+0.408	+0.372	17 50—17 55	-0.158	+0.113	+0.760
10		20.5—20.8	-0.150	+0.649	+0.405	+0.400	19 0—19 55	-0.154	+0.104	+0.758
11		5.1—5.4	-0.141	+0.651	+0.391	+0.342	5 35—8 25	-0.153	+0.124	+0.728
11		8.6—8.9	-0.148	+0.654	+0.365	+0.348				
11	M.	11.5—12.7	-0.148	+0.628	+0.429	+0.403	12 10—14 50	-0.158	+0.078	+0.753
11		15.0—15.2	-0.158	+0.652	+0.410	+0.404				
12	R.	20.8—21.3	-0.151	+0.694	+0.498	.....	21 40—21 45	-0.151	+0.049	+0.853
13		2.9—3.1	-0.162	+0.655	+0.463	+0.458	3 35—4 20	-0.172	+0.060	+0.793
13		4.5 .....	.....	+0.659	.....	.....		
13	Ei.	4.7—4.9	-0.174	.....	+0.453	+0.434				
14	M.	12.6—13.0	-0.146	+0.712	+0.409	+0.411	12 10—15 50	-0.152	+0.110	+0.800
14		15.0—15.1	-0.165	+0.666	+0.438	+0.411				
14		19.6—19.8	-0.148	+0.679	+0.427	+0.422	19 20—20 10	-0.149	+0.096	+0.793
14		21.3—21.4	-0.165	+0.652	+0.397	+0.437	21 50—21 55	-0.154	+0.092	+0.777
15		2.9—3.1	-0.141	+0.692	+0.410	+0.352	3 50—4 20	-0.163	+0.110	+0.753
15	Ei.	4.7—5.2	-0.157	+0.647	+0.406	+0.382	5 25—8 0	-0.168	+0.093	+0.751
15		8.3—8.7	-0.179	+0.640	+0.393	+0.417				
19	R.	21.2—21.6	-0.164	+0.738	+0.556	+0.553	22 5—22 15	-0.165	+0.032	+0.921
20		0.5—0.9	-0.175	+0.705	+0.630	+0.547	1 10—1 15	-0.175	-0.004	+0.909
20		3.6—4.0	-0.170	+0.687	+0.536	+0.533	4 15—5 0	-0.178	+0.017	+0.870
20		5.2 .....	.....	+0.689	.....	.....		
20	Ei.	8.6—8.9	-0.178	+0.694	+0.533	+0.513	5 35—8 25	-0.178	+0.022	+0.867
22	Ei.	2.0—2.4	-0.169	+0.689	+0.370	+0.403	2 50—2 55	-0.160	+0.138	+0.785
22		4.9—5.2	-0.167	+0.683	+0.373	+0.354	5 45—8 25	-0.171	+0.134	+0.759
22		8.4—8.7	-0.171	+0.668	+0.373	+0.388	9 10—11 45	-0.171	+0.126	+0.760
22		11.6—12.0	.....	+0.662	+0.365	+0.391				
22	Br.	12.6—12.7	-0.180	+0.667	.....	.....	12 10—15 55	-0.170	+0.114	+0.776
22		16.3—16.5	-0.154	+0.690	+0.421	+0.401				
22		20.3—20.7	-0.151	+0.679	+0.409	+0.414	20 5—20 55	-0.150	+0.106	+0.788
22		21.3—21.9	.....	+0.678	+0.394	+0.426	22 20—22 25	-0.134	+0.112	+0.791
23	Ei.	3.9—4.7	.....	+0.665	+0.299	+0.293	3 40—3 45	-0.166	+0.187	+0.703
23		5.3—5.6	-0.163	+0.667	+0.281	+0.307	6 10—8 40	-0.157	+0.200	+0.699
23		8.7—9.0	-0.167	+0.657	+0.256	+0.290	9 25—11 50	-0.157	+0.202	+0.691
23		11.9—12.1	-0.174	+0.647	+0.252	+0.311				
23	M.	20.3—20.6	-0.128	+0.629	+0.295	+0.326	20 10—20 15	-0.120	+0.160	+0.691
23		21.5—21.9	-0.147	+0.629	+0.252	+0.288	22 25—22 30	-0.138	+0.191	+0.666
24	Ei.	4.9—5.4	-0.148	+0.651	+0.237	+0.231	4 40—8 40	-0.153	+0.216	+0.658
24		8.7—8.9	-0.154	+0.642	+0.252	+0.261	8 48	-0.153	+0.205	+0.664
24		11.8—12.1	-0.157	+0.623	+0.289	+0.288	12 0	-0.153	+0.167	+0.664

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904										
Feb. 24	Br.	13.7—13.8	s	s	s	s	h m h m	s	s	s
24		16.8—17.0	.....	+0.623	+0.272	+0.307	14 0—16 35	-0.139	+0.162	+0.687
24		20.4—20.7	-0.142	+0.639	+0.317	+0.324	20 15—20 20	-0.130	+0.142	+0.698
24		21.3—22.0	.....	+0.615	+0.296	+0.360	22 25—22 35	-0.152	+0.133	+0.697
25			-0.164	+0.613	+0.311	+0.357				
25	Ei.	5.2—5.8	-0.171	+0.623	+0.363	+0.381	5 40—8 40	-0.165	+0.106	+0.734
25		9.0—9.2	-0.161	+0.650	+0.393	+0.379				
27	Ei.	5.4—5.7	-0.165	+0.656	+0.399	+0.389	5 15—7 50	-0.168	+0.112	+0.771
27		8.6—8.8	-0.174	+0.680	+0.389	+0.413				
Mar. 1	Br.	4.3—4.5	-0.136	+0.628	+0.331	+0.328	4 55—7 0	-0.146	+0.131	+0.685
1		6.2—.....	.....	+0.604	.....	.....		
1	Ei.	6.5—7.2	-0.154	+0.620	+0.324	+0.325	7 15—11 0	-0.156	+0.136	+0.693
1		11.1—11.3	-0.161	+0.628	+0.328	+0.340				
2	R.	4.6—4.9	-0.157	+0.655	+0.331	+0.358	5 10—6 20	-0.150	+0.142	+0.728
2		6.6—6.9	-0.153	+0.646	+0.344	+0.355				
3	M.	12.7—13.3	-0.161	+0.588	+0.326	+0.352	12 50—12 55	-0.156	+0.110	+0.676
3		16.4—16.7	-0.158	+0.586	+0.387	+0.388	13 0	-0.156	+0.110	+0.688
3		21.1—21.4	-0.149	+0.630	+0.357	+0.407	16 30	-0.156	+0.066	+0.688
3		22.0—22.6	-0.139	+0.622	+0.360	+0.451	20 55—21 0	-0.136	+0.107	+0.741
4							21 50—21 55	-0.138	+0.098	+0.735
4		4.6—4.9	-0.145	+0.608	+0.365	+0.360	22 55—23 5	-0.139	+0.088	+0.729
4							4 48	-0.154	+0.102	+0.699
4							7 0	-0.154	+0.102	+0.739
4	Ei.	6.5—7.5	-0.158	+0.644	+0.388	+0.375	7 0	-0.151	+0.112	+0.739
4		9.9—10.4	-0.154	+0.681	+0.389	+0.416	10 12	-0.151	+0.112	+0.787
4		13.2—13.6	-0.160	+0.668	+0.385	+0.432	10 35—13 5	-0.151	+0.115	+0.786
4	R.	17.2—17.5	-0.152	+0.696	+0.429	+0.438	13 24	-0.148	+0.106	+0.786
4		22.2—22.6	-0.150	+0.680	+0.466	+0.455	17 18	-0.148	+0.106	+0.816
5		5.0—5.3	-0.147	+0.652	+0.385	+0.388	21 0—23 5	-0.153	+0.067	+0.816
5		6.6—6.8	-0.158	+0.649	+0.389	+0.393	5 30—6 20	-0.152	+0.107	+0.751
7	Br.	21.0—21.6	-0.126	+0.537	+0.233	+0.243	21 15—21 20	-0.124	+0.154	+0.569
7		22.4—22.6	-0.116	+0.553	+0.256	+0.235	23 10—23 20	-0.122	+0.153	+0.580
8		5.0—5.3	-0.137	+0.531	+0.248	+0.251	5 30—7 0	-0.142	+0.132	+0.561
8		6.7—.....	.....	+0.507	.....	.....		
8	Ei.	7.1—7.4	-0.160	.....	+0.228	+0.272				
8	R.	14.4—14.9	-0.140	+0.548	+0.263	+0.272	15 15—17 35	-0.142	+0.126	+0.596
8		17.1—17.4	-0.141	+0.543	+0.292	+0.277				
8		22.3—22.8	-0.154	+0.544	+0.271	+0.314	23 15—23 20	-0.142	+0.122	+0.616
9		5.2—5.5	-0.151	+0.554	+0.239	+0.249	5 45—6 40	-0.152	+0.172	+0.588
9	Ei.	7.1—7.5	-0.151	+0.575	+0.188	+0.247	7 18	-0.152	+0.184	+0.602
9		10.2—10.6	-0.154	+0.564	+0.273	+0.278	10 24	-0.152	+0.140	+0.602
9		13.4—13.8	-0.158	+0.559	+0.288	+0.289	10 55—13 30	-0.152	+0.134	+0.614
9	M.	16.9—17.1	-0.142	+0.572	+0.273	+0.313	14 20—16 35	-0.145	+0.132	+0.626
9		22.7—22.9	-0.123	+0.593	+0.302	+0.296	22 30—23 25	-0.124	+0.139	+0.649
10		5.3—5.6	-0.148	+0.526	+0.231	+0.237	5 45—6 35	-0.139	+0.156	+0.564
10		7.0—7.2	-0.140	+0.539	+0.217	+0.246				
15	Br.	5.6—6.3	-0.145	+0.598	+0.296	+0.317	5 0—7 0	-0.145	+0.138	+0.657
15		7.1—.....	.....	+0.592	.....	.....		
15	Ei.	7.4—7.7	.....	+0.594	+0.306	+0.301	7 35—10 5	-0.155	+0.126	+0.654
15		10.1—10.6	-0.156	+0.584	+0.322	+0.322	10 55—13 25	-0.155	+0.115	+0.661
15		13.5—13.8	-0.158	+0.590	+0.330	+0.331				
15	M.	22.8—23.3	-0.144	+0.559	+0.296	+0.253	23 10—23 50	-0.156	+0.131	+0.598
16		5.5—5.8	-0.154	+0.565	+0.269	+0.290	6 20—7 0	-0.148	+0.132	+0.643

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904		h h	s	s	s	s	h m h m	s	s	s
Mar. 16	Ei.	7.2—7.5	.....	+0.598	+0.289	+0.305	7 35—13 30	−0.152	+0.132	+0.643
16		10.1—10.4	−0.158	+0.564	+0.320	+0.303				
16		13.6—13.8	−0.142	+0.607	+0.322	+0.304				
16	R.	17.4—17.6	−0.136	+0.632	+0.302	+0.298	14 55—17 5	−0.142	+0.148	+0.672
16		22.7—23.1	−0.142	+0.606	+0.343	+0.330	22 0—23 50	−0.145	+0.118	+0.680
17	Br.	23.5—1.0	−0.141	+0.598	+0.242	+0.286	23 50—23 55	−0.130	+0.178	+0.641
18		6.2—6.4	−0.132	+0.571	+0.237	+0.229	6 0—9 15	−0.132	+0.174	+0.588
18		9.6—9.8	−0.122	+0.574	+0.249	+0.221				
18	M.	14.5—14.7	−0.127	+0.566	+0.231	+0.232	15 5—17 10	−0.129	+0.178	+0.594
18		17.4—17.6	−0.131	+0.583	+0.238	+0.238				
18		22.3—22.7	−0.148	+0.559	+0.202	+0.223	22 5—0 0	−0.143	+0.189	+0.572
22	Ei.	7.0—7.4	−0.137	+0.565	+0.129	+0.135	7 35—9 50	−0.135	+0.240	+0.518
22		10.2—10.5	−0.135	+0.542	+0.144	+0.147				
22	M.	14.3—14.6	−0.152	+0.518	+0.134	+0.176	15 5—17 10	−0.138	+0.210	+0.510
22		17.4—17.6	−0.150	+0.514	+0.132	+0.189				
23	Ei.	7.0—7.4	−0.139	+0.522	+0.115	+0.122	7 35—9 45	−0.138	+0.232	+0.486
23		9.2—9.8	−0.151	+0.510	+0.107	+0.154				
23	R.	14.9—15.5	−0.122	+0.532	+0.146	+0.132	15 5—17 25	−0.128	+0.229	+0.482
23		17.6—18.0	−0.129	+0.511	+0.112	+0.110				
23		23.1—23.5	−0.134	+0.514	+0.089	+0.171	22 30—0 15	−0.134	+0.222	+0.482
24		6.1—6.7	−0.126	+0.464	+0.015	+0.043	6 15—7 30	−0.122	+0.266	+0.384
24		7.8—8.0	−0.131	+0.454	+0.027	+0.048				
25	Ei.	7.5—7.8	−0.123	+0.366	+0.038	+0.079	7 15—11 10	−0.107	+0.196	+0.326
25		10.5—11.2	−0.109	+0.369	+0.030	+0.063				
25	M.	14.4—14.8	−0.073	+0.392	+0.029	+0.032	15 40—17 35	−0.074	+0.216	+0.335
25		17.6—17.9	−0.077	+0.399	+0.057	+0.056				
27	Br.	8.0—8.9	−0.092	+0.477	+0.121	+0.131	9 5—11 35	−0.091	+0.197	+0.457
27		11.9—12.3	−0.094	+0.477	+0.138	+0.147				
28	Ei.	10.6—11.2	−0.104	+0.532	+0.192	+0.164	10 54	−0.112	+0.192	+0.520
28		14.1—14.4	−0.106	+0.568	+0.220	+0.191	14 12	−0.112	+0.192	+0.565
28	Br.	15.4 .....	.....	+0.558	.....	.....	15 24	−0.108	+0.179	+0.572
28		18.1—18.3	−0.103	+0.586	+0.242	+0.248	18 12	−0.108	+0.179	+0.611
28		22.4—22.7	−0.105	+0.590	+0.256	+0.192	22 55—23 0	−0.108	+0.186	+0.582
28		23.4—0.0	−0.094	+0.567	+0.232	+0.205	0 30—0 35	−0.108	+0.182	+0.573
29	Ei.	7.5—7.8	−0.111	+0.523	+0.173	+0.167	8 10—10 40	−0.114	+0.184	+0.520
29		10.7—11.1	−0.102	+0.522	+0.207	+0.189	11 20—14 0	−0.114	+0.162	+0.530
29		14.0—14.3	−0.123	+0.510	+0.215	+0.217				
29	M.	17.2—17.5	−0.093	+0.525	+0.228	+0.219	15 15—16 55	−0.108	+0.153	+0.540
29		23.5—0.1	−0.099	+0.525	+0.245	+0.172	0 30—0 40	−0.099	+0.168	+0.539
Apr. 1	M.	14.6—14.8	−0.071	+0.458	+0.117	+0.081	14 15—17 5	−0.081	+0.197	+0.422
1		17.5—17.7	−0.079	+0.459	+0.129	+0.117				
1		23.5—23.7	−0.065	+0.465	+0.126	+0.100	23 10—1 15	−0.072	+0.213	+0.418
2		1.4—1.7	−0.074	+0.459	+0.076	+0.087				
2	Ei.	7.2—7.7	−0.089	+0.457	+0.081	+0.067	7 55—10 40	−0.092	+0.215	+0.402
2		10.7—11.0	−0.090	+0.444	+0.100	+0.094				
2	M.	15.1—15.5	−0.076	+0.456	+0.134	+0.111	15 15—17 0	−0.085	+0.202	+0.436
2		17.1—17.3	−0.079	+0.492	+0.128	+0.093				
3	Ei.	7.4—8.1	−0.110	+0.455	+0.130	+0.138	7 55—10 40	−0.112	+0.171	+0.432
3		10.8—11.1	−0.117	+0.430	+0.142	+0.144				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904		h h	s	s	s	s	h m h m	s	s	s
Apr. 3	R.	15.7—16.1	−0.097	+0.519	+0.176	+0.179	15 54	−0.100	+0.192	+0.517
3		18.3—18.6	−0.100	+0.559	+0.205	+0.189	18 30	−0.100	+0.192	+0.555
3		23.3—0.0	−0.097	+0.562	+0.279	+0.237	23 20—1 30	−0.104	+0.148	+0.580
4		1.3—2.1	−0.099	+0.539	+0.273	+0.175				
4	Ei.	7.8—8.2	−0.106	+0.466	+0.157	+0.144	8 10—11 10	−0.110	+0.164	+0.465
4		11.3—11.6	−0.103	+0.473	+0.195	+0.166				
4	Br.	14.8—15.4	−0.075	+0.497	+0.187	+0.152	15 5—18 5	−0.086	+0.180	+0.490
4		18.3—18.5	−0.086	+0.504	+0.172	+0.159				
4		23.8—0.2	−0.049	+0.495	+0.185	+0.139	0 0	−0.066	+0.178	+0.477
5		2.0—2.3	−0.073	+0.443	+0.125	+0.136	2 12	−0.066	+0.178	+0.429
5		7.3—7.6	−0.048	+0.425	+0.105	+0.069	7 30	−0.050	+0.193	+0.382
							9 24	−0.050	+0.245	+0.382
5	Ei.	9.1—9.6	−0.048	+0.450	+0.043	+0.059	9 24	−0.064	+0.245	+0.385
5		12.4—12.7	−0.070	+0.454	+0.111	+0.104	12 36	−0.064	+0.200	+0.420
5		15.6—15.9	−0.074	+0.450	+0.108	+0.120	13 5—15 35	−0.064	+0.198	+0.422
5	M.	18.2—18.5	−0.071	+0.463	+0.102	+0.107	16 25—18 10	−0.064	+0.202	+0.424
6	R.	23.9—0.2	−0.042	+0.466	+0.081	+0.082	23 35—1 10	−0.042	+0.229	+0.414
7		7.4—7.8	−0.042	+0.431	+0.027	+0.047	8 0—8 55	−0.042	+0.239	+0.348
7	Ei.	9.1—9.4	−0.050	+0.403	+0.021	+0.037	10 0—13 25	−0.049	+0.225	+0.344
7		12.3—12.6	−0.052	+0.415	+0.062	+0.043				
8	M.	19.9—20.2	−0.033	+0.411	+0.062	+0.063	20 40—20 45	−0.033	+0.210	+0.359
8		7.5—7.8	−0.048	+0.331	+0.043	+0.059	8 20—8 55	−0.048	+0.170	+0.300
9	Ei.	9.2—9.6	−0.055	+0.343	+0.057	+0.066				
10	R.	22.1—22.6	−0.042	+0.491	+0.081	+0.085	22 15—22 20	−0.041	+0.244	+0.435
11		7.9—8.2	−0.046	+0.404	+0.056	+0.039	8 30—11 50	−0.054	+0.215	+0.349
11		12.0—12.1	−0.054	+0.418	+0.064	+0.047				
12	M.	15.3—15.6	−0.062	+0.402	+0.058	+0.082	15 24	−0.050	+0.202	+0.361
12		18.2—18.5	−0.043	+0.451	+0.068	+0.060	18 24	−0.050	+0.232	+0.389
12		0.3—0.7	−0.049	+0.451	+0.039	+0.054	0 0—1 30	−0.045	+0.250	+0.384
13		8.4—8.6	−0.060	+0.429	+0.033	+0.050	8 55—12 20	−0.054	+0.246	+0.376
13		12.5—12.8	−0.064	+0.449	+0.024	+0.072				
13	R.	15.6—15.9	−0.050	+0.483	+0.104	+0.059	16 10—18 5	−0.060	+0.230	+0.428
13		18.4—18.75	−0.058	+0.486	+0.101	+0.093				
14	Ei.	9.2—9.8	−0.081	+0.449	+0.014	+0.092	9 30	−0.068	+0.254	+0.399
14		12.6—12.9	.....	+0.471	+0.098	+0.106	12 48	−0.068	+0.218	+0.432
							13 5—15 35	−0.068	+0.207	+0.438
14	Br.	15.9—16.5	−0.070	+0.477	+0.143	+0.108	16 18	−0.068	+0.203	+0.443
14		18.6—18.8	−0.062	+0.510	+0.144	+0.137	18 42	−0.068	+0.203	+0.483
14		0.4—0.8	−0.038	+0.517	+0.113	+0.069	0 10—1 35	−0.049	+0.247	+0.451
15	Ei.	9.3—9.7	−0.068	+0.435	+0.074	+0.072	9 55—12 20	−0.067	+0.212	+0.384
15		12.4—12.7	−0.064	+0.430	+0.085	+0.076				
15	M.	0.4—0.6	−0.056	+0.426	+0.084	+0.043	0 15—2 50	−0.060	+0.223	+0.377
16		3.0—3.2	−0.052	+0.453	+0.066	+0.059				
16		8.4—8.6	−0.064	+0.447	+0.053	+0.059	9 0—9 40	−0.071	+0.230	+0.390
16	Ei.	9.8—10.0	.....	+0.446	+0.069	+0.079	10 10—12 40	−0.071	+0.220	+0.390
16		12.8—13.3	−0.066	+0.450	+0.100	+0.050	13 25—15 45	−0.071	+0.207	+0.396
16		15.8—16.1	−0.073	+0.450	+0.119	+0.085				
17	R.	16.8—17.1	−0.054	+0.479	+0.090	+0.104	16 5—18 35	−0.046	+0.234	+0.436
17		18.8—19.2	−0.055	+0.477	+0.060	+0.112				
17		0.4—1.0	−0.052	+0.465	+0.141	+0.082	0 25—0 30	−0.058	+0.195	+0.419
18		3.2—3.6	−0.042	+0.434	+0.059	+0.040	1 40—3 0	−0.058	+0.212	+0.392
18		8.4—8.8	−0.026	+0.447	+0.073	+0.044	8 36	−0.045	+0.219	+0.378
							12 0	−0.045	+0.219	+0.332

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904		h h	s	s	s	s	h m h m	s	s	s
Apr. 18	Ei.	11.8—12.2	−0.046	+0.399	+0.080	+0.017	12 35—15 10	−0.063	+0.210	+0.338
18		15.2—15.7	−0.058	+0.408	+0.059	+0.040	15 55—18 10	−0.063	+0.202	+0.348
18		18.4—18.7	−0.071	+0.391	+0.066	+0.076				
18	Br.	0.9—1.4	−0.030	+0.437	+0.020	+0.035	1 45—1 50	−0.026	+0.256	+0.362
19	Br.	9.3—9.7	−0.081	+0.372	+0.024	+0.046	9 30	−0.078	+0.210	+0.316
19		13.1—13.3	−0.071	+0.399	+0.132	+0.100	13 12	−0.078	+0.155	+0.376
19	M.	15.3—15.5	−0.072	+0.392	+0.111	+0.133	15 24	−0.068	+0.155	+0.387
19		18.7—18.9	−0.063	+0.486	+0.147	+0.118	18 48	−0.068	+0.197	+0.455
19		1.0—1.2	−0.068	+0.479	+0.113	+0.125	0 35—1 55	−0.065	+0.210	+0.450
20		4.7 .....	.....	+0.481	.....	.....	3 5—6 5	−0.066	+0.259	+0.412
20		5.3—5.4	−0.068	.....	+0.054	+0.060				
20	Ei.	9.4—9.8	−0.073	+0.464	+0.091	+0.060	10 10—12 40	−0.089	+0.218	+0.405
20		12.7—12.9	−0.090	+0.454	+0.103	+0.082	13 30—15 45	−0.089	+0.209	+0.419
20		15.8—16.1	−0.081	+0.475	+0.125	+0.090				
20	R.	18.7—19.3	−0.068	+0.499	+0.121	+0.107	16 40—18 25	−0.081	+0.216	+0.444
20		1.0—1.5	−0.069	+0.504	+0.113	+0.124	0 40—2 0	−0.066	+0.226	+0.468
21		6.9—7.4	−0.060	+0.459	+0.078	+0.098	7 0—7 5	−0.055	+0.223	+0.416
21	Ei.	10.1—10.3	.....	+0.416	+0.040	+0.019	10 20—13 0	−0.078	+0.222	+0.350
21		13.0—13.3	−0.082	+0.410	+0.057	+0.074	13 40—16 15	−0.078	+0.212	+0.366
21		16.3—16.6	−0.072	+0.424	+0.069	+0.059				
21	Br.	16.8 .....	.....	+0.421	.....	.....	16 48	−0.068	+0.228	+0.368
21		18.8—19.1	−0.055	+0.478	+0.085	+0.054	18 54	−0.068	+0.228	+0.410
21		1.0—1.5	−0.030	+0.458	+0.108	+0.038	0 45—2 5	−0.048	+0.219	+0.388
22		7.4—7.7	−0.065	+0.366	+0.014	+0.041	8 0—8 5	−0.046	+0.224	+0.318
22		9.4—9.7	−0.024	+0.412	+0.039	+0.005	9 50—12 20	−0.040	+0.236	+0.330
22		12.6—12.8	−0.053	+0.402	+0.014	+0.035				
22	M.	15.2—15.4	−0.049	+0.410	+0.047	+0.037	15 18	−0.047	+0.226	+0.343
22		18.9—19.2	−0.046	+0.438	+0.054	+0.072	19 0	−0.047	+0.226	+0.385
24	R.	0.9—1.7	+0.005	+0.331	−0.002	+0.061				
25		3.7—4.0	−0.001	+0.310	−0.025	+0.016				
29	R.	2.8—3.0	−0.010	+0.412	−0.053	+0.005				
30	Ei.	9.5—9.9	−0.012	+0.356	−0.067	+0.040				
May 1	M.	13.0—13.3	−0.016	+0.367	−0.067	−0.046	13 40—16 45	−0.014	+0.274	+0.256
1		16.6 .....	.....	+0.371	.....	.....		
1	R.	17.2—17.4	−0.017	.....	−0.048	−0.047	17 0	−0.014	+0.270	+0.259
1		19.2—19.5	−0.010	+0.425	−0.041	−0.039	19 24	−0.014	+0.299	+0.306
1		1.8—2.3	−0.004	+0.399	−0.025	−0.033				
2	Ei.	9.5—10.0	−0.020	+0.341	−0.112	−0.096	10 10—13 0	−0.015	+0.294	+0.214
2		13.5—13.8	−0.018	+0.353	−0.092	−0.078				
2	Br.	16.8—17.1	+0.003	+0.360	−0.053	−0.096	17 20—19 15	−0.012	+0.287	+0.238
2		19.5—19.8	−0.017	+0.380	−0.074	−0.075				
2		1.2—1.9	−0.004	+0.349	−0.053	−0.060	1 35—2 45	−0.006	+0.262	+0.235
3		10.9—11.3	−0.004	+0.309	−0.096	−0.142	11 35—13 55	−0.016	+0.285	+0.167
3		14.6—14.8	−0.013	+0.324	−0.109	−0.120				
3	M.	16.3—16.6	−0.032	+0.319	−0.128	−0.065	17 20—19 0	−0.020	+0.282	+0.209
3		19.2—19.5	−0.025	+0.346	−0.076	−0.082				
3		1.8—2.4	−0.012	+0.312	−0.097	−0.086	2 40—2 50	−0.009	+0.270	+0.187
4		9.5—9.8	−0.014	+0.271	−0.133	−0.173	10 35—11 45	−0.024	+0.280	+0.120
4	Ei.	12.1—12.7	−0.003	+0.288	−0.114	−0.149	12 50—15 15	−0.024	+0.277	+0.144
4		15.3—15.6	−0.033	+0.295	−0.114	−0.122	15 55—19 35	−0.024	+0.276	+0.168
4		18.7—19.1	−0.022	+0.317	−0.098	−0.102				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904										
May 4	R.	h h 2.0—2.4	s +0.003	s +0.294	s -0.096	s -0.027	h m h m 1 40—2 55	s +0.015	s +0.240	s +0.199
5		10.0—10.4	+0.032	+0.261	-0.109	-0.125	10 35—11 45	+0.026	+0.257	+0.124
5	Ei.	12.2—12.7	+0.026	+0.261	-0.122	-0.134	12 50—15 15	+0.018	+0.263	+0.132
5		15.3—15.5	+0.019	+0.285	-0.099	-0.128	15 55—18 40	+0.018	+0.274	+0.156
5		18.8—19.1	+0.027	+0.319	-0.098	-0.133				
5	Br.	20.7—21.0	+0.033	+0.331	-0.100	-0.105	20 20—20 25	+0.032	+0.286	+0.193
5		2.0—2.3	+0.041	+0.302	-0.094	-0.099	1 45—2 55	+0.040	+0.264	+0.174
7	M.	10.1—10.4	+0.018	+0.271	-0.143	-0.114	10 40—11 35	+0.026	+0.268	+0.132
7	Ei.	11.9—12.2	+0.027	+0.265	-0.118	-0.124	12 25—15 15	+0.015	+0.260	+0.142
7		15.3—15.6	+0.023	+0.286	-0.105	-0.108	15 55—18 40	+0.015	+0.252	+0.152
7		18.7—19.0	+0.004	+0.276	-0.082	-0.109				
7	R.	22.2—22.4	+0.025	+0.306	-0.096	-0.102	21 55—22 0	+0.024	+0.268	+0.175
8	R.	16.8—17.1	+0.026	+0.280	-0.121	-0.122	17 15—17 55	+0.024	+0.278	+0.143
8		18.5—18.9	+0.020	+0.289	-0.135	-0.125				
8		2.2—2.7	+0.038	+0.270	-0.106	-0.099	3 0—3 10	+0.040	+0.250	+0.148
10	M.	2.3—2.6	+0.041	+0.304	-0.168	-0.148	2 10—3 15	+0.046	+0.318	+0.142
11	Ei.	11.3—11.7	+0.029	+0.303	-0.141	-0.165	11 30	+0.015	+0.312	+0.134
11		14.8—15.0	+0.012	+0.324	-0.153	-0.138	14 54	+0.015	+0.312	+0.163
11		17.6—17.9	.....	+0.344	-0.122	-0.151	15 20—17 55	+0.015	+0.318	+0.170
11	R.	19.6—19.9	+0.028	+0.361	-0.148	-0.112	17 42	+0.022	+0.325	+0.176
11		2.1—2.6	+0.027	+0.341	-0.144	-0.138	19 42	+0.022	+0.325	+0.206
11							2 15—3 20	+0.028	+0.325	+0.177
12	Ei.	11.3—11.7	+0.034	+0.266	-0.166	-0.167	12 0—14 45	+0.021	+0.298	+0.106
12		14.8—15.0	+0.022	+0.280	-0.152	-0.177	14 54	+0.021	+0.304	+0.110
12		17.6—18.0	.....	+0.324	-0.129	-0.152	17 48	+0.021	+0.304	+0.159
12	Br.	19.7—20.0	+0.025	+0.341	-0.128	-0.138	18 20—19 30	+0.021	+0.312	+0.169
12		2.6—3.0	+0.034	+0.241	-0.213	-0.081	2 20—3 25	+0.069	+0.287	+0.123
13		11.8—12.2	+0.055	+0.229	-0.170	-0.161	12 20—15 10	+0.050	+0.267	+0.084
13		15.4—15.6	+0.029	+0.220	-0.172	-0.115	15 30	+0.044	+0.260	+0.093
13	M.	19.5—19.8	+0.034	+0.270	-0.168	-0.128	19 36	+0.044	+0.291	+0.125
13		2.1—2.7	+0.040	+0.228	-0.132	-0.130	2 25—3 30	+0.040	+0.242	+0.091
13		3.0 .....	.....	+0.217	.....	.....		
15	R.	17.1—17.5	+0.009	+0.358	-0.125	-0.174	17 40—19 30	-0.008	+0.349	+0.180
15		19.7—20.0	+0.006	+0.393	-0.130	-0.203				
15		2.4—3.0	+0.003	+0.356	-0.156	-0.109	2 35—3 35	+0.016	+0.335	+0.204
16	Br.	16.4—16.8	-0.005	+0.322	-0.166	-0.164	16 55—18 45	0.000	+0.344	+0.159
16		19.2—19.4	+0.006	+0.360	-0.168	-0.177				
19	R.	12.7—12.9	+0.005	+0.255	-0.093	-0.112				
19	Br.	17.5—17.7	+0.010	+0.319	-0.122	-0.153				
20	M.	15.3—15.6	-0.014	+0.284	-0.156	-0.109				
21	R.	12.1—12.4	+0.028	+0.268	-0.145	-0.154				
Collimation adjusted.										
23	M.	11.7—11.9	+0.197	+0.088	-0.150	-0.151	11 30—15 10	+0.197	+0.172	-0.026
23	R.	17.4—17.6	+0.185	+0.159	-0.138	-0.116				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904		h h	s	s	s	s	h m h m	s	s	s
May 24	Ei.	11.8 —12.1	+0.210	+0.107	-0.036	-0.131	12 0	+0.204	+0.170	+0.004
24		15.2 —15.4	+0.204	+0.144	-0.114	-0.108	15 18	+0.204	+0.170	+0.044
24		18.2 —18.4	+0.191	+0.155	-0.112	-0.092	15 55—18 20	+0.204	+0.178	+0.052
							18 18	+0.208	+0.179	+0.060
24	R.	20.1 —20.4	+0.216	+0.221	-0.101	-0.084	20 12	+0.208	+0.214	+0.118
24		2.9 — 3.8	+0.227	+0.152	-0.117	-0.097	3 15— 4 10	+0.232	+0.182	+0.056
25	Br.	14.1 —14.3	+0.217	+0.127	-0.124	-0.101	14 12	+0.224	+0.180	+0.034
25		17.7 —17.9	+0.223	+0.184	-0.097	-0.092	17 48	+0.224	+0.180	+0.085
25		3.2 — 3.8	+0.225	+0.174	-0.104	-0.127	3 20— 4 15	+0.218	+0.196	+0.058
26	Ei.	12.7 —13.2	+0.202	+0.157	-0.103	-0.093	13 40—15 10	+0.207	+0.184	+0.069
26		15.4 —15.7	+0.200	+0.170	-0.123	-0.082				
26	R.	3.4 — 3.9	+0.230	+0.208	-0.105	-0.088	4 15— 4 20	+0.234	+0.208	+0.105
Collimation adjusted.										
27	Ei.	12.7 —12.8	.....	+0.203	-0.157	-0.080	12 55—15 20	+0.256	+0.238	+0.113
27		15.5 —15.9	+0.257	+0.251	-0.110	-0.111	15 55—18 30	+0.256	+0.242	+0.123
27		18.3 —18.7	.....	+0.260	-0.082	-0.141				
27	Br.	19.2 .....	.....	+0.250	.....	.....	19 12	+0.240	+0.248	+0.121
27		20.5 —20.8	+0.239	+0.299	-0.125	-0.131	20 36	+0.240	+0.287	+0.152
Collimation adjusted.										
27		3.2 — 3.9	-0.257	+0.263	-0.156	-0.125	3 30— 4 25	-0.248	+0.280	+0.124
28	Ei.	13.0 —13.7	-0.285	+0.199	-0.148	-0.128	13 12	-0.283	+0.235	+0.072
28		16.4 —16.6	-0.289	+0.282	-0.140	-0.121	16 30	-0.283	+0.282	+0.142
28		19.3 —19.6	-0.283	+0.306	-0.120	-0.125	16 55—19 35	-0.283	+0.284	+0.151
29	R.	14.8 —15.1	-0.264	+0.221	-0.156	-0.150	15 0	-0.259	+0.258	+0.077
29		17.7 —17.9	-0.250	+0.286	-0.139	-0.158	17 48	-0.259	+0.291	+0.125
30	Br.	17.3 —17.8	-0.251	+0.194	-0.133	-0.112	18 10—18 15	-0.246	+0.221	+0.079
30		3.5 — 4.2	-0.242	+0.173	-0.133	-0.094	4 30— 4 35	-0.232	+0.205	+0.071
June 3	Ei.	12.6 —13.0	-0.255	+0.221	-0.179	-0.144	12 48	-0.247	+0.273	+0.077
3		16.3 —16.6	-0.255	+0.250	-0.160	-0.132	16 30	-0.247	+0.273	+0.109
3	Br.	20.9 —21.3	-0.235	+0.296	-0.156	-0.138	16 30	-0.239	+0.290	+0.109
3		3.8 — 4.3	-0.224	+0.213	-0.114	-0.143	21 6	-0.239	+0.290	+0.142
5	Br.	2.7 — 3.0	-0.198	+0.208	-0.042	-0.024	4 45— 4 55	-0.232	+0.229	+0.080
5		4.0 — 4.5	-0.205	+0.155	-0.059	-0.027	3 30— 3 25	-0.194	+0.148	+0.130
							4 20— 4 25	-0.195	+0.136	+0.101
							4 55— 5 0	-0.196	+0.136	+0.101
6	R.	19.8 —20.1	-0.211	+0.253	-0.035	-0.045	18 55—19 35	-0.214	+0.188	+0.169
6		23.75— 0.15	-0.206	+0.264	-0.049	-0.044	0 0— 0 5	-0.205	+0.202	+0.177
7	Br.	3.3 .....	.....	+0.267	.....	.....	3 25— 5 10	-0.192	+0.229	+0.142
7		4.1 — 4.8	-0.191	+0.255	-0.087	-0.091				
8	Ei.	13.8 —14.4	-0.225	+0.232	-0.084	-0.074	14 6	-0.232	+0.208	+0.144
8		17.2 —17.4	-0.226	+0.275	-0.079	-0.094	17 18	-0.232	+0.237	+0.144
							17 18	-0.232	+0.237	+0.156
8		19.7 —20.0	-0.238	+0.307	-0.115	-0.136	19 54	-0.232	+0.288	+0.156
8	R.	1.9 — 2.1	-0.202	+0.317	-0.108	-0.105	1 35— 1 40	-0.201	+0.282	+0.180
8		4.1 — 4.3	-0.196	.....	-0.085	-0.107	3 30— 3 35	-0.202	+0.270	+0.174
8		4.8 .....	.....	+0.299	.....	.....	4 35— 5 15	-0.202	+0.259	+0.168

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1904										
June 10	M.	^h 3.9— ^h 4.3	^s -0.271	^s +0.336	^s -0.107	^s -0.106	^h 3 ^m 40— ^h 5 ^m 20	^s -0.271	^s +0.284	^s +0.183
10		4.9 .....	.....	+0.307	.....	.....		
11		12.3—12.8	-0.250	+0.261	-0.186	-0.248	13 20—14 25	-0.276	+0.319	+0.062
11	Ei.	14.6—14.9	.....	+0.265	-0.178	-0.228	14 42	-0.275	+0.309	+0.069
11		17.1—17.4	-0.271	+0.272	-0.174	-0.152	17 18	-0.275	+0.309	+0.114
12	R.	15.2—15.5	-0.256	+0.245	-0.128	-0.144	15 40—19 50	-0.259	+0.270	+0.115
12		18.5—19.2	-0.256	+0.280	-0.135	-0.144				
12		4.7—5.1	-0.247	+0.283	-0.130	-0.154	3 50—5 30	-0.254	+0.283	+0.126
13	Ei.	14.0—14.3	-0.270	+0.238	-0.147	-0.148	14 12	-0.273	+0.269	+0.092
13		17.2—17.7	-0.265	+0.275	-0.127	-0.138	17 24	-0.273	+0.269	+0.129
							17 24	-0.273	+0.276	+0.129
13		20.0—20.5	-0.286	+0.293	-0.128	-0.106	20 18	-0.273	+0.276	+0.160
13	Br.	3.2—3.5	-0.251	+0.327	-0.166	-0.136	3 55—4 0	-0.254	+0.310	+0.140
13		4.7—5.2	-0.265	+0.272	-0.156	-0.158	5 0—5 35	-0.266	+0.310	+0.140
14		12.8—13.0	-0.264	+0.242	-0.164	-0.165	13 20—14 25	-0.271	+0.272	+0.090
14	Ei.	14.6—14.9	-0.279	+0.239	-0.148	-0.143	15 5—17 5	-0.280	+0.266	+0.104
14		17.2—17.4	-0.279	+0.255	-0.138	-0.136	17 18	-0.280	+0.268	+0.113
14		20.3—20.6	-0.275	+0.296	-0.095	-0.131	20 30	-0.280	+0.268	+0.152
14	M.	4.2—4.6	-0.270	+0.270	-0.178	-0.131	4 0—5 40	-0.257	+0.298	+0.123
15		13.4—13.7	-0.262	+0.208	-0.146	-0.127	14 5—16 45	-0.265	+0.240	+0.080
15		16.9—17.1	-0.276	+0.210	-0.143	-0.134				
15	R.	21.3—21.5	-0.257	+0.278	-0.134	-0.099	17 0	-0.261	+0.240	+0.078
15		4.8—5.4	-0.238	+0.243	-0.140	-0.060	21 24	-0.261	+0.271	+0.151
							5 35—5 40	-0.224	+0.239	+0.137
17	Ei.	14.1—14.4	-0.252	+0.216	-0.149	-0.122	14 18	-0.248	+0.252	+0.089
17		17.6—18.0	-0.254	+0.248	-0.137	-0.111	17 48	-0.248	+0.252	+0.120
17		20.9—21.3	-0.262	+0.263	-0.125	-0.097	18 10—20 50	-0.248	+0.256	+0.130
17	M.	4.8—5.4	-0.238	+0.204	-0.135	-0.099	5 45—5 50	-0.228	+0.225	+0.093
18		13.4—13.7	-0.213	+0.159	-0.130	-0.112	14 5—14 50	-0.204	+0.195	+0.058
18	Ei.	15.0—15.2	.....	+0.161	-0.127	-0.092	15 6	-0.210	+0.196	+0.063
18		18.1—18.4	-0.231	+0.190	-0.112	-0.073	18 12	-0.210	+0.196	+0.098
18		21.5—21.8	-0.250	+0.201	-0.121	-0.079	18 50—21 20	-0.230	+0.204	+0.100
19	R.	4.9—5.4	-0.177	+0.215	-0.107	-0.076	4 30—6 0	-0.168	+0.213	+0.116
20		12.4—12.7	-0.196	+0.178	-0.083	-0.107	12 10—14 15	-0.202	+0.182	+0.074
20	Br.	19.6—20.1	-0.204	+0.196	-0.102	-0.105	19 48	-0.206	+0.203	+0.087
20		21.7—21.9	-0.214	+0.242	-0.115	-0.087	21 48	-0.206	+0.236	+0.131
21	M.	4.9—5.2	-0.209	+0.216	-0.142	-0.102	4 40—6 11	-0.198	+0.237	+0.099
22	Ei.	14.2—14.6	-0.218	+0.232	-0.125	-0.137	14 24	-0.234	+0.249	+0.096
22		17.6—18.1	-0.231	+0.261	-0.113	-0.117	17 54	-0.234	+0.249	+0.130
22		20.9—21.2	-0.250	+0.274	-0.121	-0.117	18 10—20 50	-0.234	+0.259	+0.134
22	R.	4.5—5.8	-0.223	+0.262	-0.146	-0.136	4 50—6 10	-0.220	+0.276	+0.116
23	Ei.	14.7—15.1	-0.242	+0.181	-0.166	-0.145	14 55—18 0	-0.246	+0.250	+0.059
23		18.1—18.4	-0.249	+0.216	-0.164	-0.151	18 18	-0.246	+0.270	+0.071
23		21.3—21.8	-0.254	+0.266	-0.142	-0.146	21 36	-0.246	+0.270	+0.116
23	Br.	5.2—5.5	-0.228	+0.249	-0.150	-0.170	4 55—6 15	-0.234	+0.277	+0.090
24	M.	14.8—15.0	-0.230	+0.168	-0.154	-0.132	15 30—19 5	-0.226	+0.222	+0.052
24		19.2—19.5	-0.231	+0.186	-0.143	-0.133				
24		5.5—5.7	-0.211	+0.155	-0.162	-0.147	5 5—6 20	-0.206	+0.220	+0.027
25	Ei.	14.9—15.3	-0.189	+0.150	-0.105	-0.121				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1904		$\begin{smallmatrix} h & h \\ s & s \end{smallmatrix}$	$\begin{smallmatrix} s \\ s \end{smallmatrix}$	$\begin{smallmatrix} m \\ m \end{smallmatrix}$	$\begin{smallmatrix} s \\ s \end{smallmatrix}$	$\begin{smallmatrix} s \\ s \end{smallmatrix}$	$\begin{smallmatrix} h & m & h & m \\ s & s & s & s \end{smallmatrix}$	$\begin{smallmatrix} s \\ s \end{smallmatrix}$	$\begin{smallmatrix} s \\ s \end{smallmatrix}$	$\begin{smallmatrix} s \\ s \end{smallmatrix}$
June 26	R.	17.7—18.3	-0.190	+0.203	-0.113	-0.108	17 45—20 50	-0.192	+0.228	+0.098
26		21.1—21.3	-0.196	+0.234	-0.126	-0.119				
28	M.	5.84—6.1	-0.208	+0.197	-0.175	-0.170	6 30—6 35	-0.207	+0.258	+0.046
Micrometer removed to insert new thread.										
29	R.	5.6—6.2	-0.164	+0.261	-0.117	-0.115				
30		17.9—18.2	-0.182	+0.213	-0.140	-0.130	17 10—17 45	-0.180	+0.241	+0.083
30	Br.	6.0—6.3	-0.180	+0.225	-0.175	-0.154				
July 1		15.3—15.6	-0.194	+0.210	-0.171	-0.184	15 30	-0.212	+0.282	+0.049
1		18.4—18.5	-0.232	+0.251	-0.182	-0.163	18 30	-0.212	+0.282	+0.091
1	M.	5.5—6.3	-0.209	+0.250	-0.194	-0.154				
2	R.	19.7—20.0	-0.219	+0.299	-0.172	-0.177	19 48	-0.220	+0.322	+0.116
2		22.3—22.6	-0.214	+0.322	-0.202	-0.228	22 24	-0.220	+0.365	+0.116
3		23.6—0.1	-0.200	+0.283	-0.179	-0.158				
4	Br.	6.0—6.2	-0.169	+0.198	-0.136	-0.137				
5	M.	19.1—19.3	-0.180	+0.187	-0.147	-0.098				
5		1.0—1.5	-0.169	+0.230	-0.114	-0.136				
6	Ei.	14.9—15.3	-0.165	+0.178	-0.130	-0.146	15 6	-0.185	+0.228	+0.048
6		19.4—19.8	-0.182	+0.226	-0.116	-0.147	19 36	-0.185	+0.228	+0.087
6		22.5—22.8	-0.194	+0.232	-0.110	-0.112	20 5—22 25	-0.185	+0.236	+0.098
6	R.	6.3—6.8	-0.169	+0.210	-0.109	-0.090				
7	Br.	20.1—20.4	-0.178	+0.223	-0.159	-0.146	20 35—22 50	-0.178	+0.267	+0.090
7		23.1—23.3	-0.175	+0.256	-0.138	-0.163				
7		2.7—2.8	-0.194	.....	-0.145	-0.138	2 55—3 0	-0.192	+0.249	+0.083
7		6.6—6.9	-0.180	+0.209	-0.130	-0.138				
10	R.	21.1—21.9	-0.180	+0.211	-0.151	-0.137	20 35—23 0	-0.182	+0.256	+0.090
10		23.2—23.5	-0.177	+0.258	-0.122	-0.161				
10		6.5—7.1	-0.162	+0.214	-0.132	-0.110	7 20—7 25	-0.156	+0.232	+0.095
11	Ei.	15.7—15.9	.....	+0.153	-0.177	-0.123	15 48	-0.184	+0.223	+0.037
11		19.5—19.8	-0.200	+0.234	-0.143	-0.135	19 36	-0.184	+0.256	+0.097
11	Br.	23.5—23.8	-0.184	+0.255	-0.118	-0.136	20 30—23 15	-0.194	+0.256	+0.106
11		6.7—7.0	-0.185	+0.171	-0.175	-0.141	7 20—7 30	-0.176	+0.236	+0.041
12	M.	20.8—21.0	-0.201	+0.194	-0.145	-0.155	20 54	-0.203	+0.238	+0.055
12		23.5—23.9	-0.209	+0.249	-0.169	-0.140	23 42	-0.203	+0.281	+0.102
12		6.9—7.1	-0.197	+0.232	-0.168	-0.193	7 25—7 35	-0.204	+0.282	+0.063
13	R.	19.3—19.6	-0.193	+0.270	-0.163	-0.163	19 55—21 40	-0.186	+0.294	+0.120
13		22.0—22.3	-0.187	+0.276	-0.160	-0.128				
13		6.8—7.3	-0.179	+0.256	-0.168	-0.131	7 30—8 0	-0.170	+0.284	+0.113
14	Ei.	16.7—17.1	-0.198	+0.204	-0.193	-0.208	16 54	-0.205	+0.283	+0.030
14		19.9—20.2	-0.211	+0.229	-0.191	-0.157	20 6	-0.205	+0.283	+0.076
14		22.9—23.3	-0.216	+0.242	-0.173	-0.152	20 40—23 15	-0.205	+0.283	+0.084
14	Br.	6.9—7.2	-0.183	+0.251	-0.171	-0.190	7 35—7 40	-0.188	+0.294	+0.078
15		15.2—15.5	-0.180	+0.163	-0.161	-0.170	15 24	-0.188	+0.229	+0.021
15	Ei.	17.2—17.4	.....	+0.192	-0.131	-0.157	17 18	-0.188	+0.229	+0.054
15	M.	6.4—7.3	-0.165	+0.168	-0.161	-0.124	7 40—7 45	-0.156	+0.222	+0.049
16		15.4—15.6	-0.180	+0.158	-0.161	.....	15 30	-0.186	+0.222	+0.022
							20 0	-0.186	+0.222	+0.100

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column II, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.				Adopted.		
			c	b	a _n	a _s					c	n	m
1904 July 16 16	Ei.	h h 19.9—20.1 22.9—23.3	s -0.192 -0.206	s +0.216 +0.238	s -0.108 -0.151	s	h m h m 15 30 20 0 20 0 23 6	s -0.186 -0.186 -0.199 -0.199	s +0.222 +0.222 +0.220 +0.266	■ +0.022 +0.100 +0.095 +0.095			
17 17 17 18	M.	19.2—19.7 22.6—22.8 7.2—7.4 8.7—9.0	-0.158 -0.172 -0.170 -0.151	+0.140 +0.153 +0.123 +0.130	-0.113 -0.141 -0.150 -0.116	..... ..... ..... -0.125	19 15—22 20 7 45—8 35	-0.165 -0.162	+0.191 +0.184	+0.034 +0.014		
18 18	Ei.	17.1—17.5 20.5—20.7	-0.160 -0.165	+0.115 +0.167	-0.118 -0.121	-0.116 -0.131	17 18 20 36 20 36 23 42	-0.165 -0.165 -0.165 -0.165	+0.164 +0.201 +0.201 +0.244	+0.017 +0.049 +0.056 +0.056			
18 19 19	Br.	7.2—7.5 9.7—9.9 15.2—15.5	-0.174 -0.132 -0.141	+0.125 +0.160 +0.157	-0.179 -0.155 -0.122	-0.146 -0.165 -0.149	7 12 9 42 16 5—17 45	-0.166 -0.134 -0.149	+0.216 +0.216 +0.204	+0.012 +0.012 +0.032			
19 19	Ei.	18.6—19.0 21.9—22.1	-0.142 -0.165	+0.165 +0.199	-0.124 -0.161	-0.156 -0.151	18 48 22 0	-0.156 -0.156	+0.207 +0.248	+0.046 +0.046			
19 19 20	T.	0.0—0.6 6.7—7.1 14.9—15.3	-0.158 -0.137 -0.146	+0.217 +0.229 +0.187	-0.161 -0.144 -0.126	-0.162 -0.098 -0.157	22 40—23 50 7 55—8 0 14 40—17 35	-0.160 -0.124 -0.158	+0.255 +0.246 +0.226	+0.064 +0.112 +0.056			
20	Ei.	17.8—18.4	-0.163	+0.192	-0.143	-0.134							
20 20 20 20 21	M.	20.5—20.8 0.0—0.2 7.0—7.7 8.5—8.8	-0.161 -0.164 -0.169 -0.157	+0.206 +0.258 +0.187 +0.198	-0.142 -0.145 -0.146 -0.153	-0.144 -0.141 -0.127 -0.149	20 42 0 6 8 0—9 0	-0.162 -0.162 -0.160	+0.240 +0.274 +0.234	+0.070 +0.112 +0.062			
22	Br.	16.1—16.8	-0.177	+0.258	-0.142	-0.135	16 30—17 40	-0.186	+0.266	+0.112			
22	Ei.	18.0—18.6	-0.191	+0.255	-0.128	-0.143							
24 24	T.	15.4—15.8 18.6—19.1	-0.176 -0.186	+0.236 +0.263	-0.169 -0.119	-0.134 -0.143	18 20—18 25	-0.179	+0.268	+0.106			
25	Ei.	18.8—19.5	-0.194	+0.280	-0.140	-0.157	19 15—20 45	-0.197	+0.294	+0.129			
25 25 25 26 26 26 26	Br.	21.1—21.8 0.7—0.8 7.7—8.1 9.8—10.0 15.8—16.2 19.1—19.7	-0.176 -0.191 -0.169 -0.172 -0.204 -0.187	+0.310 +0.303 +0.274 +0.232 +0.212 +0.256	-0.118 -0.140 -0.135 -0.105 -0.164 -0.135	-0.177 -0.181 -0.162 -0.193 -0.131 -0.147	21 25—21 30 22 0—0 20 7 54 9 54 16 25—19 20	-0.197 -0.197 -0.186 -0.186 -0.193	+0.294 +0.304 +0.283 +0.247 +0.261	+0.129 +0.132 +0.115 +0.068 +0.093			
26 26	T.	23.2—23.7 7.0—7.6	-0.204 -0.213	+0.271 +0.213	-0.128 -0.081	-0.147 -0.025	20 25—23 0 8 20—9 40	-0.200 -0.203	+0.272 +0.195	+0.114 +0.128			
27 27	Ei.	17.8—18.4 20.5—20.8	-0.206 -0.199	+0.162 +0.203	-0.127 -0.115	-0.117 -0.119	18 6 20 42	-0.202 -0.202	+0.208 +0.208	+0.051 +0.084			
28 29 29	Br.	7.8—8.1 10.1—10.3 15.9—16.2	-0.185 -0.174 -0.186	+0.240 +0.211 +0.142	-0.152 -0.163 -0.137	-0.170 -0.139 -0.143	8 30—9 55 16 6 17 54	-0.179 -0.189 -0.189	+0.264 +0.198 +0.198	+0.078 +0.021 +0.052			
29 29 29	Ei.	17.6—18.2 21.7—22.0 23.4—23.9	-0.186 -0.199 -0.199	+0.171 +0.175 +0.201	-0.114 -0.116 -0.126	-0.130 -0.106 -0.105	17 40—17 45 18 15—21 35 22 15—23 40	-0.189 -0.193 -0.193	+0.198 +0.198 +0.208	+0.049 +0.060 +0.078			
30 30 30	M.	8.8 9.4—9.5 15.8—16.1	..... -0.193 -0.171	+0.178 +0.174 +0.145	..... -0.141 -0.112	..... -0.118 -0.122	8 35—10 0 16 35—18 30	-0.186 -0.176	+0.216 +0.184	+0.060 +0.042
30 30	Ei.	18.8—19.3 22.4—23.1	-0.183 -0.196	+0.148 +0.191	-0.128 -0.101	-0.108 -0.096	19 0 22 48	-0.186 -0.186	+0.193 +0.193	+0.046 +0.087			

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904		^h ^m	^s	^s	^s	^s	^h ^m ^h ^m	^h ^m	^s	^h ^m
July 31	M.	20.5—20.8	−0.180	+0.143	−0.114	−0.086	20 42	−0.174	+0.186	+0.054
31		0.4—0.6	−0.179	+0.207	−0.096	−0.082	0 30	−0.174	+0.186	+0.107
Aug. 2	Br.	9.6—9.9	−0.162	+0.211	−0.085	−0.103	8 45—8 55	−0.167	+0.202	+0.101
2		16.1—16.4	−0.166	+0.195	−0.122	−0.132	16 35—17 25	−0.163	+0.219	+0.080
2		17.7—17.9	−0.152	+0.214	−0.102	−0.123				
2	T.	22.5—23.2	−0.182	+0.244	−0.138	−0.099	23 40—1 50	−0.189	+0.230	+0.112
2		1.2—2.0	−0.205	+0.210	−0.098	−0.102				
2		7.5—8.3	−0.181	+0.233	−0.092	−0.084	7 54	−0.180	+0.228	+0.128
3		9.7—10.5	−0.188	+0.215	−0.143	−0.115	9 54	−0.180	+0.228	+0.092
3	Ei.	17.9—18.2	−0.199	+0.175	−0.142	−0.132	18 0	−0.195	+0.228	+0.052
3		20.9—21.5	−0.200	+0.221	−0.126	−0.131	21 12	−0.195	+0.228	+0.091
3		0.0—0.4	−0.194	+0.241	−0.130	−0.110	21 10—23 55	−0.195	+0.242	+0.104
3	M.	2.8—3.0	−0.198	+0.239	−0.140	−0.144	2 35—2 40	−0.194	+0.253	+0.106
3		8.0—8.4	−0.187	+0.230	−0.150	−0.156	8 55—9 0	−0.188	+0.262	+0.081
4	Br.	22.9—23.2	−0.180	+0.190	−0.141	−0.139	23 25—1 30	−0.179	+0.233	+0.074
4		1.8—2.0	−0.178	+0.218	−0.130	−0.131				
5	T.	7.8—8.7	−0.174	+0.200	−0.144	−0.119	9 0—9 40	−0.152	+0.234	+0.079
6		10.8—11.1	−0.137	+0.212	−0.134	−0.134				
6		16.1—16.3	−0.161	+0.155	−0.166	−0.134	16 50—17 40	−0.163	+0.218	+0.044
6	Ei.	17.9—18.2	−0.180	+0.173	−0.143	−0.122	17 40—17 45	−0.163	+0.218	+0.044
6		20.9—21.5	−0.189	+0.174	−0.140	−0.106	18 25—21 5	−0.180	+0.213	+0.060
6		0.0—0.5	−0.184	+0.205	−0.108	−0.115	21 10—0 25	−0.180	+0.212	+0.076
8	Br.	8.6—8.8	−0.154	+0.257	−0.147	−0.161	9 15—9 20	−0.158	+0.280	+0.101
9	T.	8.1—8.8	−0.151	+0.231	−0.099	−0.120	9 15—11 0	−0.146	+0.212	+0.100
10		11.2—11.5	−0.137	+0.195	−0.096	−0.095				
11	M.	16.4—16.6	−0.142	+0.196	−0.143	−0.153	17 0—19 0	−0.157	+0.232	+0.070
11	Ei.	19.2—19.6	−0.165	+0.211	−0.116	−0.134	19 45—23 30	−0.170	+0.230	+0.084
11		22.7—23.1	−0.172	+0.212	−0.134	−0.121				
11	Br.	2.1—2.3	−0.165	+0.225	−0.099	−0.091	23 50—1 50	−0.166	+0.226	+0.102
11		8.7—9.2	−0.175	+0.201	−0.152	−0.139	9 25—9 30	−0.172	+0.242	+0.067
12		16.6—16.8	−0.148	+0.197	−0.167	−0.168	17 10—18 35	−0.160	+0.251	+0.060
12	Ei.	18.9—19.4	−0.176	+0.208	−0.153	−0.138	19 6	−0.168	+0.256	+0.073
12		22.4—22.6	−0.173	+0.248	−0.150	−0.115	22 30	−0.168	+0.256	+0.118
12							22 30	−0.161	+0.265	+0.120
12	T.	1.9—2.1	−0.162	+0.280	−0.169	−0.152	2 0	−0.161	+0.302	+0.120
12		8.4—8.9	−0.171	+0.257	−0.159	−0.172	9 30—9 35	−0.174	+0.289	+0.094
13	Ei.	19.3—19.9	−0.190	+0.178	−0.148	−0.158				
13		21.5—21.9	−0.197	+0.187	−0.137	−0.129				
14	Br.	23.3—23.7	−0.168	+0.196	−0.146	−0.171	23 30	−0.176	+0.242	+0.049
14		2.3—2.5	−0.177	+0.251	−0.169	−0.170	2 24	−0.176	+0.290	+0.088
14		8.9—9.2	−0.175	+0.204	−0.201	−0.139	9 35—9 45	−0.164	+0.267	+0.060
15		16.5—16.8	−0.160	+0.179	−0.169	−0.189	17 10—18 45	−0.174	+0.244	+0.026
15	Ei.	19.0—19.5	−0.182	+0.173	−0.166	−0.170	19 18	−0.184	+0.240	+0.028
15		22.4—22.7	−0.190	+0.194	−0.158	−0.136	22 30	−0.184	+0.240	+0.064
Instrument reversed to Clamp East. Micrometer removed to insert new threads. Collimation adjusted.										
Sept. 6	M.	0.2—0.4	−0.111	+0.366	−0.181	−0.140	0 55—3 10	−0.100	+0.352	+0.210
6		3.4—3.6	−0.100	+0.395	−0.125	−0.128				
6		10.1—10.7	−0.108	+0.402	−0.193	−0.147	11 0—11 5	−0.094	+0.372	+0.210
7		11.6—12.4	−0.101	+0.373	−0.158	−0.129	12 5—12 10	−0.094	+0.351	+0.206

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904 Sept.	7	h h	s	s	s	s	h m h m	s	s	s
		18.1—18.5	-0.097	+0.362	-0.210	-0.163	18 50—21 20	-0.090	+0.372	+0.183
		21.4—21.9	-0.094	+0.378	-0.158	-0.165	22 0—0 30	-0.098	+0.356	+0.206
	7	0.5—0.7	-0.098	+0.394	-0.132	-0.138	0 36	-0.086	+0.351	+0.232
	7	3.5—3.8	-0.059	+0.459	-0.144	-0.187	3 36	-0.086	+0.410	+0.232
	7	10.1—10.7	-0.057	+0.431	-0.155	-0.200	11 5—11 10	-0.072	+0.381	+0.218
	8	11.4—12.4	-0.059	+0.415	-0.112	-0.171	12 10—12 15	-0.072	+0.361	+0.221
	8	23.9—0.1	-0.110	+0.341	-0.174	-0.148	0 55—3 0	-0.097	+0.354	+0.184
	8	3.2—3.4	-0.094	+0.379	-0.166	-0.154				
	8	10.4—10.9	-0.093	+0.358	-0.177	-0.094				
	10	18.3—18.7	-0.111	+0.367	-0.174	-0.173	19 0—21 35	-0.102	+0.368	+0.179
	10	21.7—22.0	-0.094	+0.374	-0.175	-0.175				
	11	0.1—0.4	-0.087	+0.399	-0.149	-0.146	0 55—3 10	-0.092	+0.364	+0.204
	11	3.4—3.7	-0.104	+0.368	-0.173	-0.153				
	11	10.7—10.9	-0.093	+0.376	-0.145	-0.133	10 48	-0.090	+0.341	+0.208
	12	12.0—12.9	-0.125	+0.312	-0.186	-0.170	12 30	-0.121	+0.341	+0.134
	14	10.6—10.9	-0.060	+0.472	-0.168	-0.195	10 42	-0.068	+0.416	+0.237
	15	12.9—13.2	-0.023	+0.434	-0.158	-0.180	13 0	-0.029	+0.416	+0.237
	15	15.8—16.2	-0.089	+0.470	-0.204	-0.149	16 50—16 55	-0.083	+0.418	+0.242
	15	18.5—18.9	-0.107	+0.402	-0.196	-0.141	19 10—0 50	-0.095	+0.395	+0.237
	15	21.7—22.2	-0.097	+0.459	-0.161	-0.150				
	15	1.0—1.4	-0.103	+0.415	-0.158	-0.144				
	15	4.6—4.8	-0.068	+0.442	-0.136	-0.154	1 50—4 25	-0.086	+0.384	+0.240
	15	10.9—11.2	-0.081	+0.473	-0.191	-0.119	11 30—11 40	-0.076	+0.430	+0.264
	16	11.9—13.0	-0.065	+0.486	-0.169	-0.200	12 45—12 50	-0.076	+0.443	+0.256
	16	17.4—18.0	-0.065	+0.427	-0.194	-0.195	17 45—17 50	-0.079	+0.411	+0.204
	16	18.6—18.9	-0.089	+0.393	-0.158	-0.174	19 20—0 50	-0.090	+0.372	+0.211
	16	21.7—22.0	-0.085	+0.399	-0.161	-0.164				
	16	0.9—1.2	-0.084	+0.413	-0.132	-0.157				
	16	4.6—4.9	-0.064	+0.455	-0.165	-0.172	1 6	-0.078	+0.368	+0.236
	16	10.8—11.1	-0.074	+0.441	-0.208	-0.240	4 48	-0.078	+0.415	+0.236
	17	12.0—12.6	-0.071	+0.431	-0.196	-0.180	11 35—11 45	-0.074	+0.432	+0.208
	17	17.7—17.9	-0.071	+0.395	-0.182	-0.206	12 50—12 55	-0.074	+0.419	+0.220
	17	19.4—19.7	-0.076	+0.411	-0.189	-0.203	18 30—19 25	-0.078	+0.402	+0.188
	17						20 10—22 20	-0.078	+0.402	+0.188
	18	10.8—11.0	-0.110	+0.355	-0.203	-0.125	11 45—13 5	-0.098	+0.358	+0.178
	19	12.6—13.2	-0.111	+0.346	-0.188	-0.148				
	20	10.7—10.9	-0.108	+0.379	-0.161	-0.144	11 50—11 55	-0.100	+0.372	+0.202
	21	12.8—13.1	-0.094	+0.402	-0.167	-0.179	13 10—13 15	-0.100	+0.386	+0.201
	21	19.0—19.3	-0.108	+0.401	-0.240	-0.170	19 40—22 10	-0.095	+0.419	+0.205
	21	22.3—22.5	-0.100	+0.427	-0.200	-0.180				
	21	2.4—2.7	-0.066	+0.466	-0.191	-0.228	2 30	-0.076	+0.434	+0.236
	21	5.5—5.9	-0.053	+0.448	-0.188	-0.148	5 42	-0.043	+0.434	+0.236
	21	11.0—11.3	-0.052	+0.504	-0.148	-0.112	11 12	-0.037	+0.433	+0.318
	22	12.8—13.6	-0.046	+0.538	-0.148	-0.096	13 12	-0.037	+0.433	+0.352
	22	19.4—19.7	-0.059	+0.484	-0.139	-0.159	20 10—22 20	-0.065	+0.416	+0.278
	22	22.5—23.3	-0.040	+0.560	-0.129	-0.145	22 50—1 15	-0.050	+0.444	+0.344
	22	1.4—1.9	-0.063	+0.530	-0.135	-0.110	1 45—1 50	-0.057	+0.412	+0.355
	22	4.8—5.1	-0.060	+0.530	-0.078	-0.066	2 20—4 45	-0.057	+0.412	+0.355
	22	11.3—11.8	-0.062	+0.516	-0.167	-0.063	11 30	-0.050	+0.413	+0.328
	23	12.9—13.1	-0.044	+0.539	-0.108	-0.184	13 0	-0.050	+0.452	+0.328
	23	20.5—20.7	-0.045	+0.498	-0.189	-0.198	20 36	-0.051	+0.462	+0.258
	23	23.9—24.1	-0.055	+0.456	-0.164	-0.162	0 0	-0.051	+0.413	+0.258

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904		h h	s	s	s	s	h m h m	s	s	s
Sept. 23	T.	2.9—4.2	-0.026	+0.558	-0.137	-0.175	3 25—5 30	-0.032	+0.464	+0.316
23		5.6—5.9	-0.020	+0.535	-0.155	-0.184				
23		11.3—11.8	-0.017	+0.515	-0.144	-0.116	12 0—12 10	-0.009	+0.429	+0.325
25	M.	22.4—22.7	-0.088	+0.376	-0.173	-0.203	23 10—1 50	-0.096	+0.380	+0.171
25		1.4—2.0	-0.087	+0.387	-0.171	-0.207				
25	M.	11.5—11.8	-0.088	+0.366	-0.203	-0.198	12 10—13 35	-0.085	+0.376	+0.169
26		13.1—13.3	-0.086	+0.365	-0.178	-0.167				
26		20.0—20.2	-0.113	+0.340	-0.213	-0.193	20 20—22 25	-0.104	+0.372	+0.146
26		22.5—22.7	-0.112	+0.339	-0.213	-0.173				
26	T.	1.5—2.3	-0.100	+0.395	-0.164	-0.176	2 0	-0.098	+0.378	+0.192
26		4.9—5.2	-0.087	+0.411	-0.195	-0.216	5 0	-0.098	+0.414	+0.192
27		12.5—12.6	-0.081	+0.405	-0.194	-0.162				
27	M.	11.6—12.0	-0.084	+0.376	-0.200	-0.124	12 15—12 20	-0.070	+0.371	+0.201
28		13.8—14.0	-0.098	+0.377	-0.213	-0.189	13 40—13 45	-0.092	+0.397	+0.172
28		18.4—18.6	-0.091	+0.347	-0.184	-0.219	18 30	-0.094	+0.379	+0.135
28		21.0—21.2	-0.087	+0.386	-0.187	-0.191	21 6	-0.094	+0.379	+0.181
29	Ei.	18.7—19.1	-0.106	+0.359	-0.181	-0.168	19 30—22 5	-0.108	+0.358	+0.174
29		22.2—22.4	-0.116	+0.355	-0.173	-0.158				
29	M.	11.5—11.6	-0.120	+0.325	-0.152	-0.173	11 20—11 25	-0.126	+0.326	+0.146
30		14.1—14.2	-0.125	+0.355	-0.181	-0.183	13 50—13 55	-0.126	+0.365	+0.162
30	T.	6.4—6.8	-0.087	+0.435	-0.199	-0.194	5 30—6 10	-0.086	+0.426	+0.216
Oct. 30		11.6—11.7	-0.097	+0.437	-0.194	-0.242	11 25—14 0	-0.100	+0.430	+0.204
1		13.5—14.1	-0.093	+0.428	-0.202	-0.188				
1	Ei.	18.9—19.3	-0.107	+0.373	-0.214	-0.202	19 6	-0.108	+0.404	+0.162
1		22.3—22.6	-0.111	+0.421	-0.182	-0.194	22 30	-0.108	+0.404	+0.207
1		1.2—1.9	-0.106	+0.440	-0.194	-0.193	22 55—1 45	-0.108	+0.418	+0.214
1	M.	4.1 .....	.....	+0.447	.....	.....	4 20—6 35	-0.100	+0.438	+0.242
1		5.5—5.7	-0.080	+0.494	-0.161	-0.216				
2	M.	6.9—7.2	-0.091	+0.437	-0.175	-0.203	7 30—7 35	-0.099	+0.416	+0.215
2		11.6—11.8	-0.082	+0.450	-0.178	-0.208	12 35—14 10	-0.087	+0.435	+0.226
3		14.2—14.4	-0.078	+0.461	-0.190	-0.209				
3		18.3—18.5	-0.091	+0.435	-0.233	-0.211	18 24	-0.083	+0.450	+0.204
3		21.4—21.6	-0.079	+0.474	-0.145	-0.153	21 30	-0.083	+0.412	+0.273
3	Br.	3.7—4.2	-0.080	+0.511	-0.184	-0.145	4 30—6 10	-0.070	+0.451	+0.308
3		6.4—6.8	-0.070	+0.524	-0.152	-0.151				
3		8.3—8.7	-0.063	+0.531	-0.126	-0.139	8 30—8 35	-0.058	+0.435	+0.328
3		11.7—12.0	-0.043	+0.551	-0.175	-0.137	11 48	-0.058	+0.454	+0.338
4		14.5—14.8	-0.061	+0.504	-0.126	-0.204	14 36	-0.058	+0.454	+0.277
4	M.	3.9—4.2	-0.084	+0.490	-0.194	-0.169	4 30—6 25	-0.070	+0.446	+0.272
4		6.5—6.7	-0.063	+0.488	-0.173	-0.168				
4		9.6—9.8	-0.066	+0.507	-0.133	-0.162	9 30—9—35	-0.074	+0.428	+0.295
4		11.8—12.0	-0.071	+0.459	-0.166	-0.151	11 40—11 45	-0.067	+0.414	+0.261
5		13.8—14.5	-0.084	+0.453	-0.196	-0.174	12 40—12 50	-0.072	+0.423	+0.251
5	Ei.	19.1—19.4	-0.081	+0.429	-0.236	-0.211	14 15—14 20	-0.078	+0.432	+0.241
5		22.5—22.8	-0.079	+0.430	-0.200	-0.205	19 50—22 20	-0.078	+0.436	+0.202
6	Br.	12.0—12.3	-0.054	+0.589	-0.065	-0.129	12 12	-0.062	+0.442	+0.389
7		14.7—15.0	-0.051	+0.557	-0.116	-0.150	14 48	-0.062	+0.442	+0.342
7		18.9—19.3	-0.059	+0.532	-0.134	-0.131	19 6	-0.056	+0.438	+0.332
7		22.7—22.9	-0.056	+0.581	-0.139	-0.128	22 48	-0.056	+0.471	+0.370
7	M.	12.7 .....	.....	+0.518	.....	.....	12 50—14 30	-0.056	+0.411	+0.348
8		13.5—13.8	-0.070	+0.526	-0.141	-0.061				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904		h h	°	s	s	°	h m h m	s	s	s
Oct. 9	M.	4.7—4.8	−0.075	+0.412	−0.180	−0.187	5 0—7 0	−0.076	+0.400	+0.212
9		7.1—7.3	−0.075	+0.425	−0.170	−0.174				
9		12.3—12.5	−0.085	+0.402	−0.153	−0.145	12 10—14 40	−0.086	+0.368	+0.223
10		13.7—14.0	−0.084	+0.412	−0.131	−0.155				
10	Ei.	19.8—20.2	−0.110	+0.341	−0.200	−0.187	20 0	−0.117	+0.367	+0.154
10		23.3—23.6	−0.134	+0.329	−0.168	−0.145	23 30	−0.117	+0.331	+0.154
10		2.6—3.0	−0.121	+0.336	−0.156	−0.142	0 0—2 35	−0.117	+0.330	+0.167
13	Ei.	20.6—20.9	.....	+0.514	−0.196	−0.162	20 42	−0.078	+0.467	+0.307
13		23.2—23.7	−0.087	+0.514	−0.145	−0.127	23 30	−0.078	+0.432	+0.307
13	Br.	4.7—5.1	−0.072	+0.542	−0.122	−0.108	5 15—6 40	−0.071	+0.438	+0.360
13		7.3—7.7	−0.075	+0.562	−0.115	−0.112				
13		12.0—12.8	−0.083	+0.533	−0.109	−0.089	12 35—12 40	−0.074	+0.415	+0.357
14		14.7—15.3	−0.066	+0.574	−0.096	−0.112	13 15—13 20	−0.074	+0.427	+0.368
14		18.2—18.7	−0.075	+0.511	−0.178	−0.161	14 55—15 0	−0.074	+0.439	+0.378
14	Ei.	20.3—20.6	−0.074	+0.504	−0.182	−0.177	18 20—18 25	−0.072	+0.456	+0.287
14		23.3—23.7	−0.067	+0.530	−0.142	−0.164	20 24	−0.072	+0.452	+0.280
14		2.3—2.6	−0.064	+0.515	−0.094	−0.112	23 30	−0.072	+0.452	+0.312
14							23 30	−0.072	+0.448	+0.322
14							2 24	−0.072	+0.400	+0.322
14	Y.	4.3—4.9	−0.052	+0.559	−0.115	−0.145	5 5—7 15	−0.060	+0.465	+0.350
14		7.4—7.8	−0.057	+0.583	−0.145	−0.161				
14		12.3—12.8	−0.048	+0.533	−0.127	−0.107	12 36	−0.046	+0.429	+0.331
15		15.2—15.6	−0.050	+0.544	−0.153	−0.154	15 24	−0.046	+0.462	+0.331
15		18.9—19.5	−0.057	+0.517	−0.175	−0.192	19 15—19 20	−0.063	+0.463	+0.278
15	Ei.	20.6—21.0	−0.059	+0.507	−0.177	−0.198	20 48	−0.067	+0.461	+0.276
15		23.8—0.5	−0.053	+0.495	−0.116	−0.177	0 6	−0.067	+0.415	+0.276
16	Br.	19.5—19.8	−0.047	+0.486	−0.163	−0.212	19 36	−0.060	+0.440	+0.250
16		22.9—23.2	−0.061	+0.506	−0.155	−0.154	23 0	−0.060	+0.440	+0.297
16	M.	4.9—5.1	−0.049	+0.506	−0.111	−0.135	5 25—7 25	−0.050	+0.408	+0.324
16		7.6—7.9	−0.055	+0.507	−0.121	−0.087				
16		12.5—13.0	−0.052	+0.514	−0.105	−0.163	12 55—15 15	−0.074	+0.410	+0.294
17		14.7—15.1	−0.069	+0.486	−0.116	−0.154				
17	Ei.	20.7—21.2	−0.067	+0.454	−0.161	−0.200	21 0—1 0	−0.074	+0.414	+0.232
17		0.5—1.1	−0.074	+0.445	−0.160	−0.187				
17	Br.	4.7—5.0	−0.063	+0.499	−0.194	−0.163	5 15—7 35	−0.062	+0.452	+0.283
17		7.8—8.1	−0.047	+0.524	−0.129	−0.213				
17		12.5—13.2	−0.085	+0.442	−0.146	−0.227	13 0—15 20	−0.100	+0.416	+0.219
18		15.0—15.7	−0.091	+0.446	−0.182	−0.192				
18	Ei.	20.9—21.3	−0.103	+0.370	−0.218	−0.189	21 30—0 25	−0.095	+0.379	+0.180
18		0.5—0.7	−0.102	+0.367	−0.192	−0.138	1 5—3 10	−0.095	+0.379	+0.208
18		3.3—3.5	−0.100	+0.405	−0.152	−0.146				
18	M.	4.3 .....	.....	+0.399	.....	.....	4 18	−0.095	+0.375	+0.210
18		7.2—7.3	−0.096	+0.448	−0.164	−0.171	7 18	−0.095	+0.411	+0.241
18		12.6—13.3	−0.080	+0.435	−0.182	−0.157	12 54	−0.082	+0.416	+0.236
19		14.9—15.2	−0.093	+0.418	−0.208	−0.201	15 6	−0.082	+0.416	+0.199
19		19.5—19.7	−0.100	+0.387	−0.191	−0.179	19 36	−0.092	+0.400	+0.187
19							22 54	−0.092	+0.400	+0.227
19	Ei.	22.7—23.0	−0.094	+0.428	−0.187	−0.165	19 36	−0.092	+0.400	+0.187
19							22 54	−0.092	+0.400	+0.227
20	Br.	12.7—13.2	−0.119	+0.462	−0.165	−0.150	12 54	−0.115	+0.424	+0.264
21		15.3—15.9	−0.096	+0.440	−0.215	−0.166	15 36	−0.083	+0.424	+0.233
21		22.6—22.9	−0.083	+0.459	−0.254	−0.174	22 42	−0.072	+0.456	+0.239
21		1.9—2.2	−0.076	+0.502	−0.163	−0.182	2 6	−0.072	+0.456	+0.278

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904		h h	s	s	s	s	h m h m	s	s	m
Oct. 21	Y.	4.9—5.4	−0.046	+0.537	−0.163	−0.168	5 30—6 55	−0.060	+0.458	+0.300
21		7.4—7.7	−0.072	+0.508	−0.170	−0.171				
22	Ei.	22.3—22.7	−0.088	+0.508	−0.145	−0.173	22 5—4 0	−0.088	+0.447	+0.319
22		1.3—1.9	−0.078	+0.565	−0.158	−0.151				
22		4.2—4.5	−0.093	+0.520	−0.127	−0.128				
23	Br.	22.8—23.1	−0.075	+0.527	−0.122	−0.100	23 20—1 35	−0.074	+0.422	+0.346
23		1.3—1.9	−0.084	+0.530	−0.122	−0.100	1 45—1 50	−0.072	+0.420	+0.350
23	M.	3.6—	−0.044	+0.571	−0.125	−0.080	2 5—3 25	−0.072	+0.420	+0.350
23		12.9—13.6	−0.044	+0.571	−0.042	−0.073	13 50—14 0	−0.052	+0.399	+0.402
24	Ei.	23.2—23.6	−0.055	+0.546	−0.090	−0.091	0 5—5 0	−0.061	+0.400	+0.371
24		2.3—2.7	−0.063	+0.539	−0.060	−0.084				
24		5.1—5.6	−0.054	+0.546	−0.062	−0.080				
24	Br.	8.4—8.7	−0.057	+0.567	−0.056	−0.072	6 20—8 15	−0.061	+0.400	+0.387
24		12.9—13.6	−0.037	+0.559	−0.046	−0.116	13 55—14 0	−0.056	+0.412	+0.354
25		15.7—16.3	−0.047	+0.539	−0.095	−0.132	15 50—15 55	−0.056	+0.421	+0.340
25		20.1—20.4	−0.063	+0.508	−0.159	−0.168	20 40—22 5	−0.060	+0.448	+0.286
25		23.2—23.5	−0.057	+0.498	−0.176	−0.170				
25	M.	13.1—13.7	−0.062	+0.447	−0.125	−0.159	14 0—14 5	−0.071	+0.385	+0.252
26	Y.	4.5—5.0	−0.056	+0.495	−0.149	−0.169	4 48—	−0.056	+0.431	+0.280
26		8.0—8.4	−0.039	+0.581	−0.112	−0.157	8 12—	−0.056	+0.461	+0.359
26		12.9—13.7	−0.037	+0.542	−0.081	−0.141	14 5—14 10	−0.054	+0.428	+0.328
27		16.2—16.5	−0.053	+0.523	−0.141	−0.146	16 0—16 5	−0.054	+0.440	+0.316
27		20.1—20.5	−0.034	+0.531	−0.114	−0.145	21 5—23 5	−0.043	+0.417	+0.330
27	Ei.	23.6—0.5	−0.036	+0.523	−0.091	−0.119	0 6—	−0.054	+0.405	+0.335
27		2.6—2.9	−0.074	+0.508	−0.074	−0.036	2 48—	−0.054	+0.368	+0.368
27	Br.	5.1—6.1	−0.051	+0.551	−0.070	−0.075	5 15—5 20	−0.050	+0.398	+0.376
27		8.6—9.1	−0.039	+0.561	−0.032	−0.068	6 20—8 15	−0.050	+0.393	+0.390
27		13.0—13.7	−0.030	+0.568	−0.023	−0.074	14 5—16 10	−0.041	+0.392	+0.399
28		15.8—17.3	−0.036	+0.562	−0.059	−0.066				
28		22.5—23.1	−0.034	+0.552	−0.097	−0.069	23 10—1 30	−0.032	+0.412	+0.392
28		1.3—1.9	−0.052	+0.552	−0.105	−0.026				
28	Y.	5.5—6.4	−0.008	+0.603	−0.005	−0.073	6 10—8 25	−0.026	+0.397	+0.442
28		8.5—8.9	−0.027	+0.601	−0.014	−0.035				
28		12.9—13.9	+0.007	+0.616	+0.054	−0.083	14 10—14 20	+0.007	+0.427	+0.446
29		16.5—16.8	−0.030	+0.555	−0.067	−0.068	16 10—16 15	−0.030	+0.402	+0.389
29		20.5—20.9	−0.020	+0.555	−0.095	−0.161	20 42—	−0.044	+0.434	+0.339
29		23.5—23.9	−0.030	+0.572	−0.078	−0.119	23 42—	−0.044	+0.434	+0.375
29	Ei.	3.2—3.6	−0.049	+0.533	−0.088	−0.094	0 40—2 45	−0.044	+0.416	+0.366
29	Br.	6.2—6.9	−0.036	+0.564	−0.075	−0.122	7 10—8 25	−0.044	+0.422	+0.363
29		8.7—9.2	−0.040	+0.548	−0.098	−0.109				
30	M.	5.8—6.0	−0.052	+0.545	−0.101	−0.052	5 54—	−0.040	+0.409	+0.386
30		8.8—9.0	−0.039	+0.563	+0.003	−0.010	8 54—	−0.040	+0.355	+0.433
30		13.4—14.0	−0.016	+0.569	−0.003	−0.065	14 20—16 25	−0.034	+0.379	+0.416
30		15.6—16.2	−0.040	+0.568	−0.041	−0.028				
31		20.0—20.2	−0.038	+0.541	−0.104	−0.072	20 6—	−0.032	+0.416	+0.372
31		23.5—23.6	−0.018	+0.594	−0.039	−0.104	23 36—	−0.032	+0.416	+0.404
31	Br.	5.8—6.4	−0.021	+0.587	−0.001	+0.013	6 6—	−0.020	+0.368	+0.464
31		9.3—9.9	−0.025	+0.622	+0.025	+0.032	9 36—	−0.020	+0.368	+0.503
31		13.3—14.0	−0.062	+0.590	−0.007	+0.019	14 20—14 30	−0.055	+0.370	+0.468
Nov. 1		20.0—20.6	−0.049	+0.524	−0.129	−0.124	20 45—23 25	−0.056	+0.416	+0.334
1		23.5—0.0	−0.060	+0.523	−0.091	−0.109				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904		h h	s	s	s	s	h m h m	s	s	s
Nov. 1	M.	5.6—5.8	-0.059	+0.535	+0.012	-0.101	6 15—10 10	-0.051	+0.418	+0.352
1		8.9—9.2	-0.049	+0.536	-0.117	-0.111				
1		13.7—14.1	-0.042	+0.525	-0.151	-0.071	14 25—14 35	-0.028	+0.424	+0.349
2		20.6—20.8	-0.046	+0.511	-0.135	-0.133	21 15—22 50	-0.043	+0.422	+0.318
2		22.9—23.1	-0.054	+0.502	-0.151	-0.098				
3	Y.	20.3—21.0	-0.041	+0.497	-0.137	-0.140	21 15—23 30	-0.038	+0.424	+0.310
3		23.7—0.1	-0.033	+0.524	-0.130	-0.136				
5	Y.	21.2—21.5	-0.027	+0.532	-0.110	-0.129	22 5—1 30	-0.034	+0.428	+0.338
5		0.5—1.1	-0.037	+0.536	-0.126	-0.120				
6	M.	6.0—6.2	-0.033	+0.598	-0.041	-0.075	6 55—9 5	-0.041	+0.402	+0.430
6		9.2—9.4	-0.038	+0.587	-0.024	-0.031				
6		13.8—14.4	-0.040	+0.561	-0.028	-0.041	14 0	-0.036	+0.376	+0.414
7		16.7—17.2	-0.028	+0.598	-0.082	-0.083	17 0	-0.036	+0.440	+0.414
7		19.7—20.0	-0.033	+0.572	-0.078	-0.081	20 35—22 20	-0.037	+0.420	+0.390
7		22.4—22.6	-0.039	+0.565	-0.082	-0.085				
11	Br.	22.9—23.4	-0.039	+0.561	-0.079	-0.049	23 35—2 25	-0.037	+0.400	+0.410
11		2.7—3.2	-0.054	+0.560	-0.066	-0.024				
11	Y.	6.8—7.3	-0.019	+0.629	-0.008	0.000	7 6	-0.028	+0.399	+0.482
11		9.7—10.0	-0.030	+0.601	+0.035	+0.008	9 54	-0.028	+0.355	+0.482
14	M.	20.4—20.6	-0.034	+0.599	+0.048	+0.038	21 0—23 5	-0.032	+0.349	+0.498
14		23.2—23.4	-0.016	+0.629	+0.064	+0.016				
14	Br.	6.8—7.4	-0.030	+0.607	+0.040	+0.036	7 30—9 50	-0.040	+0.343	+0.488
14		10.0—10.5	-0.047	+0.588	+0.047	+0.037				
14		14.2—14.8	-0.038	+0.588	+0.045	-0.007	15 20—17 45	-0.036	+0.330	+0.464
15		17.2—17.9	-0.011	+0.572	+0.065	+0.034				
15		21.7—22.0	-0.049	+0.534	+0.004	+0.034	22 15—0 50	-0.038	+0.334	+0.447
15		1.1—1.5	-0.039	+0.569	+0.015	+0.029				
15	M.	14.4—15.1	-0.011	+0.577	+0.053	0.000	15 25—17 50	-0.032	+0.346	+0.446
16		16.9—17.3	-0.032	+0.572	+0.009	-0.017				
16		21.4—21.7	-0.039	+0.539	-0.035	-0.008	22 0—0 0	-0.038	+0.364	+0.416
16		0.4—0.6	-0.042	+0.560	-0.014	-0.030				
16	Y.	6.6—7.4	-0.012	+0.575	-0.042	-0.046	7 0	-0.018	+0.394	+0.419
16		10.1—10.5	-0.017	+0.574	+0.011	-0.007	10 18	-0.018	+0.355	+0.444
16		14.4—15.1	-0.020	+0.601	+0.016	-0.004	15 25—18 0	-0.025	+0.370	+0.462
17		17.4—18.1	-0.014	+0.597	+0.018	-0.023				
17		21.8—22.2	-0.017	+0.578	-0.033	-0.043	22 55—1 25	-0.022	+0.396	+0.436
17		1.5—1.9	-0.027	+0.597	-0.034	-0.026				
17	Br.	14.6—15.2	-0.030	+0.621	+0.054	+0.034	15 30—18 5	-0.036	+0.344	+0.498
18		17.4—17.8	-0.031	+0.598	+0.054	+0.038				
18		0.0—0.4	-0.030	+0.594	+0.031	+0.015	0 40—3 5	-0.032	+0.360	+0.487
18		3.3—3.7	-0.029	+0.622	+0.035	+0.025				
18	Y.	14.3—15.1	-0.006	+0.645	+0.096	-0.001	15 35—18 10	-0.032	+0.349	+0.503
19		17.4—18.3	-0.004	+0.630	+0.094	-0.012				
19		22.0—22.4	-0.033	+0.578	-0.014	-0.033	22 50—1 30	-0.037	+0.386	+0.430
19		1.7—1.9	-0.025	+0.591	-0.018	-0.054				
20	Br.	0.7—1.1	-0.023	+0.525	-0.078	-0.097	1 20—3 25	-0.038	+0.384	+0.356
20		3.7—4.1	-0.044	+0.520	-0.057	-0.070				
20	M.	14.7—15.4	-0.028	+0.536	-0.078	-0.072	15 0	-0.029	+0.396	+0.364
21		17.3—17.6	-0.035	+0.543	-0.118	-0.107	17 30	-0.029	+0.430	+0.364
21		22.8—23.0	-0.037	+0.523	-0.122	-0.101	23 40—2 0	-0.027	+0.419	+0.352
21		2.2—2.4	-0.040	+0.527	-0.146	-0.052	3 5—3 10	-0.023	+0.419	+0.361
21	Br.	7.5—8.2	-0.036	+0.569	-0.076	-0.098	8 25—10 25	-0.036	+0.427	+0.394
21		10.7—11.2	-0.033	+0.584	-0.087	-0.077				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1904		h h	s	s	s	s	h m h m	s	s	s
Nov. 22	M.	14.7—15.5	−0.016	+0.595	−0.032	−0.048	15 50—16 0	−0.020	+0.402	+0.435
23		20.9—21.2	−0.036	+0.575	−0.095	−0.084	21 30—23 35	−0.036	+0.431	+0.406
23		23.8—24.0	−0.041	+0.592	−0.077	−0.065				
24	Br.	5.5—6.2	−0.043	+0.594	−0.086	−0.072	5 55—7 50	−0.038	+0.436	+0.422
24		8.6—9.2	−0.048	+0.598	−0.090	−0.049				
25	Y.	14.8—15.5	−0.021	+0.637	−0.007	−0.030	16 5—16 10	−0.027	+0.410	+0.480
26		21.2—21.5	−0.014	+0.631	−0.020	−0.019	22 30—23 40	−0.024	+0.407	+0.474
26		23.8—0.4	−0.024	+0.629	0.000	−0.034				
27	M.	15.1—15.9	−0.028	+0.633	+0.184	+0.191	15 24	−0.017	+0.253	+0.622
28		18.1—18.4	−0.004	+0.687	+0.169	+0.153	18 12	−0.017	+0.304	+0.622
28		21.1—21.3	−0.016	+0.645	+0.081	+0.146	18 50—18 55	−0.004	+0.316	+0.610
28		23.6—23.9	−0.025	+0.633	+0.183	+0.162	21 12	+0.001	+0.327	+0.592
28							23 42	−0.031	+0.260	+0.592
28	Ei.	3.1—3.6	−0.036	+0.647	+0.171	+0.176	0 40—3 0	−0.033	+0.266	+0.604
28	Br.	9.2—10.1	−0.013	+0.672	+0.181	+0.163	9 45—11 5	−0.018	+0.285	+0.627
29	M.	15.6—16.1	−0.012	+0.557	+0.035	+0.009	16 20—16 30	−0.019	+0.328	+0.442
30		21.3—21.5	−0.038	+0.563	−0.056	−0.020	21 24	−0.030	+0.390	+0.416
30		23.5—23.8	−0.040	+0.527	−0.021	+0.004	23 36	−0.030	+0.341	+0.416
30	Ei.	3.7—4.4	−0.027	+0.549	+0.013	+0.006	0 40—3 30	−0.030	+0.338	+0.421
30	Br.	8.3—8.9	−0.018	+0.597	+0.058	+0.034	9 10—11 45	−0.026	+0.334	+0.500
30		11.2—12.0	−0.029	+0.607	+0.061	+0.062				
30		15.2—16.3	−0.030	+0.670	+0.064	+0.086	16 25—16 35	−0.024	+0.367	+0.573
Dec. 1		23.0—23.4	−0.014	+0.600	+0.014	+0.032	23 45—2 25	−0.016	+0.359	+0.497
1		2.6—2.9	−0.017	+0.625	+0.054	+0.032				
1	M.	7.9—8.1	−0.022	+0.623	+0.034	+0.027	8 40—9 40	−0.024	+0.367	+0.502
5	Br.	15.6—17.4	−0.019	+0.725	+0.172	+0.175	16 50—16 55	−0.017	+0.321	+0.674
6		18.6—19.2	−0.024	+0.700	+0.134	+0.161	19 35—19 40	−0.017	+0.330	+0.644
6		22.2—22.7	−0.023	+0.688	+0.115	+0.140	22 45—0 15	−0.017	+0.336	+0.620
6	M.	10.5—10.7	−0.021	+0.710	+0.118	+0.169				
7	Br.	8.0—8.6	−0.020	+0.672	+0.119	+0.140	8 45—11 5	−0.016	+0.323	+0.620
7		11.4—11.9	−0.023	+0.687	+0.137	+0.157				
7		15.6—16.6	−0.036	+0.650	+0.219	+0.110	16 55—17 5	−0.036	+0.280	+0.609
8		18.9—19.4	−0.006	+0.652	+0.073	+0.095	19 45—19 50	0.000	+0.348	+0.565
8		23.9—0.4	−0.012	+0.630	+0.049	+0.091	0 40—2 50	−0.008	+0.347	+0.542
8		3.0—3.4	−0.013	+0.640	+0.076	+0.068				
12	M.	21.2—21.4	+0.018	+0.738	+0.354	+0.381	22 0—22 5	+0.026	+0.182	+0.811
12		1.9—2.3	+0.007	+0.716	+0.374	+0.373	1 25—3 10	+0.007	+0.159	+0.792
12	Br.	16.2—17.1	+0.013	+0.767	+0.364	+0.341	17 20—18 55	+0.008	+0.204	+0.796
13		19.4—19.8	+0.013	+0.738	+0.339	+0.326	20 10—20 15	+0.008	+0.204	+0.780
13		23.1—23.6	+0.012	+0.738	+0.342	+0.328	22 45—1 25	+0.007	+0.203	+0.778
13		1.9—2.4	+0.002	+0.729	+0.318	+0.334				
13	M.	16.3—17.1	+0.018	+0.729	+0.405	+0.386	17 25—17 30	+0.012	+0.146	+0.811
14		20.5—20.8	+0.015	+0.746	+0.381	+0.412	20 15—20 20	+0.023	+0.166	+0.836
14		23.8—0.3	+0.011	+0.761	+0.393	+0.440	23 30—23 35	+0.024	+0.162	+0.863
							0 30—1 20	+0.024	+0.164	+0.850
15	M.	16.4—17.2	+0.021	+0.748	+0.490	+0.445	16 42	+0.016	+0.098	+0.872
16		19.3—19.5	+0.041	+0.786	+0.464	+0.412	19 24	+0.016	+0.144	+0.872
16	Ei.	0.9—1.5	+0.009	+0.731	+0.380	+0.415	1 5—4 40	+0.014	+0.150	+0.816
16		4.8—5.1	+0.002	+0.710	+0.376	+0.407				
18	Br.	1.5—2.0	+0.005	+0.718	+0.325	+0.343	2 10—4 15	+0.008	+0.186	+0.767
18		4.5—4.9	+0.006	+0.705	+0.341	+0.338				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1904 Dec. 19	M.	^h 1.4— ^h 1.6	^s +0.011	^s +0.703	^s +0.312	^s +0.317	^h ^m ^h ^m	^s	^s	^s
19	Ei.	4.9—5.4	-0.004	+0.691	+0.287	+0.312	2 0—4 40	+0.007	+0.202	+0.738
19	Br.	9.3—10.0	+0.010	+0.707	+0.299	+0.313	10 10—12 20	+0.008	+0.210	+0.746
19		12.6—13.0	+0.007	+0.719	+0.313	+0.298				
20		2.7—3.3	+0.009	+0.716	+0.298	+0.294	3 35—6 35	+0.009	+0.216	+0.745
20		6.0—6.8	+0.023	+0.729	+0.327	+0.280				
20	M.	9.5—9.8	+0.009	+0.713	+0.278	+0.289	10 25—12 30	+0.014	+0.230	+0.734
20		12.8—13.1	+0.022	+0.721	+0.292	+0.269				
20		16.8—17.6	+0.012	+0.703	+0.275	+0.274	17 55—20 55	+0.008	+0.236	+0.714
21		19.6—20.2	-0.005	+0.694	+0.238	+0.273				
21	Ei.	1.6—2.2	+0.005	+0.694	+0.280	+0.284	1 54	+0.007	+0.212	+0.718
21		5.3—6.0	+0.005	+0.710	+0.304	+0.317	5 42	+0.007	+0.212	+0.750
21	Br.	16.8—18.7	+0.014	+0.732	+0.339	+0.329	18 0—21 0	+0.020	+0.212	+0.772
22		20.1—20.7	+0.025	+0.735	+0.302	+0.311				
22		3.2—3.8	+0.006	+0.723	+0.267	+0.266	3 55—6 35	+0.012	+0.246	+0.734
22		6.2—7.0	+0.012	+0.721	+0.264	+0.283				
22	M.	17.0—17.5	+0.026	+0.706	+0.276	+0.227	18 5—18 10	+0.013	+0.239	+0.697
28	M.	23.1—23.8	+0.005	+0.691	+0.224	+0.221	0 10—1 30	-0.002	+0.249	+0.688
28		1.7—1.8	.....	+0.704	+0.271	+0.237				
28	Br.	12.1—13.1	-0.005	+0.735	+0.313	+0.341	12 20—12 25	+0.003	+0.213	+0.783
28		17.3—17.9	+0.002	+0.775	+0.338	+0.357	18 30—21 35	+0.012	+0.217	+0.819
29		20.8—21.3	+0.021	+0.770	+0.351	+0.334				
29		1.3—1.9	+0.011	+0.758	+0.325	+0.330	2 0—4 35	+0.006	+0.218	+0.788
29		4.8—5.2	-0.001	+0.739	+0.322	+0.324				
29	M.	12.8—13.6	+0.012	+0.772	+0.368	+0.353	13 15—13 20	+0.008	+0.202	+0.824
29		17.7—18.2	+0.020	+0.719	+0.419	+0.336	18 35—18 40	+0.020	+0.158	+0.796
30		23.4—23.8	-0.001	+0.753	+0.267	+0.234	0 10—2 15	-0.010	+0.270	+0.726
30		2.3—2.7	-0.019	+0.715	+0.229	+0.257				
30	Br.	10.6—11.2	-0.002	+0.743	+0.257	+0.248	11 25—14 15	-0.002	+0.274	+0.736
30		13.4—13.9	-0.002	+0.748	+0.241	+0.250				
30		17.5—18.2	-0.017	+0.701	+0.234	+0.234	18 40—18 45	-0.017	+0.258	+0.692
1905 Jan. 4	M.	1.7—2.0	+0.019	+0.759	+0.371	+0.363	0 35—2 45	+0.017	+0.189	+0.819
8	Y.	17.7—18.9	+0.039	+0.752	+0.435	+0.383	19 20—19 25	+0.025	+0.145	+0.831
9	Br.	18.1—18.9	+0.020	+0.740	+0.372	+0.368	19 20—19 30	+0.019	+0.176	+0.807
12	Br.	12.1—12.6	+0.018	+0.753	+0.337	+0.350	12 45—14 15	+0.020	+0.216	+0.801
12		14.5—15.2	+0.010	+0.754	+0.312	+0.342				
13	M.	13.3—13.8	+0.021	+0.722	+0.360	+0.372	12 15—13 10	+0.024	+0.170	+0.794
13		18.3—18.6	+0.031	+0.779	+0.366	+0.363	18 5—19 45	+0.030	+0.206	+0.834
14		22.9—23.2	+0.032	+0.755	+0.368	+0.364	22 40—22 45	+0.028	+0.179	+0.818
14	Ei.	1.8—2.1	+0.017	+0.734	+0.366	+0.400	1 54	+0.026	+0.168	+0.819
14		5.4—5.7	+0.034	+0.772	+0.419	+0.390	5 30	+0.026	+0.168	+0.848
15	Br.	2.5—2.9	+0.045	+0.783	+0.463	+0.451	3 10—5 30	+0.040	+0.132	+0.890
15		5.8—6.3	+0.036	+0.768	+0.452	+0.460				
15	Y.	18.3—19.5	+0.064	+0.800	+0.498	+0.497	18 10—18 15	+0.064	+0.115	+0.935
16		23.3—23.5	+0.052	+0.773	+0.461	+0.418	22 50—22 55	+0.040	+0.136	+0.868
16		0.9—1.0	.....	+0.760	+0.448	+0.421	1 15—2 5	+0.030	+0.128	+0.851
16	Ei.	2.2—2.5	+0.025	+0.732	+0.429	+0.438	2 24	+0.026	+0.130	+0.844
16		5.9—6.6	+0.026	+0.776	+0.449	+0.451	6 12	+0.026	+0.130	+0.886

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1905		h h	s	s	s	■	h m h ■	s	s	s
Jan. 16	Br.	11.2—11.8	+0.045	+0.767	+0.451	+0.412	12 10—14 25	+0.036	+0.135	+0.865
16		14.6—15.2	+0.044	+0.767	+0.458	+0.432				
16		18.5—18.8	+0.028	+0.724	+0.419	+0.425	18 10—20 0	+0.030	+0.128	+0.830
17	M.	18.8—19.7	+0.025	+0.748	+0.348	+0.363	19 55—20 5	+0.029	+0.195	+0.809
18		23.2—23.4	+0.027	+0.759	+0.321	+0.265	22 55—23 0	+0.018	+0.242	+0.767
18		0.9 ———	.....	+0.754	.....	.....	1 30— 2 20	+0.018	+0.248	+0.770
18	Ei.	2.4— 2.8	+0.009	+0.741	+0.262	+0.315	3 20— 6 30	+0.022	+0.254	+0.780
18		6.2— 6.5	+0.008	+0.766	+0.273	+0.322				
18	Y.	18.9—19.4	+0.053	+0.793	+0.339	+0.297	20 0—20 10	+0.042	+0.244	+0.808
19		23.2—23.9	+0.016	+0.748	+0.297	+0.285	23 0—23 5	+0.013	+0.244	+0.763
19		1.0— 1.3	+0.009	+0.740	+0.284	+0.271				
19		6.1— 6.6	+0.022	+0.736	+0.270	+0.242	5 0— 7 5	+0.010	+0.252	+0.738
19	Br.	11.6—12.2	+0.014	+0.744	+0.260	+0.279	12 20—14 40	+0.016	+0.261	+0.754
19		14.8—15.3	+0.023	+0.760	+0.289	+0.250				
19		18.9—19.2	+0.027	+0.770	+0.270	+0.237	18 20—20 10	+0.019	+0.281	+0.753
20		4.8— 5.3	+0.009	+0.737	+0.208	+0.214	5 30— 8 5	+0.016	+0.308	+0.714
20		7.4— 7.7	+0.031	+0.770	+0.228	+0.186				
20	M.	18.9—19.9	+0.028	+0.716	+0.292	+0.250	20 10—20 15	+0.017	+0.232	+0.718
21		1.5— 2.0	+0.014	+0.705	+0.240	+0.224	2 20— 4 5	+0.007	+0.264	+0.705
21		4.2— 4.6	—0.001	+0.723	+0.235	+0.253				
21	Br.	8.4— 8.8	+0.001	+0.728	+0.228	+0.260	9 5—11 50	+0.014	+0.272	+0.730
21		12.0—12.5	+0.019	+0.742	+0.252	+0.247				
22	Y.	10.3—11.0	+0.023	+0.763	+0.233	+0.253	10 36	+0.022	+0.294	+0.756
22		13.9—14.2	+0.021	+0.741	+0.312	+0.289	14 6	+0.022	+0.229	+0.756
22		19.2—19.9	+0.021	+0.762	+0.320	+0.328	20 20—20 25	+0.030	+0.228	+0.797
23		22.5—23.5	+0.045	+0.794	+0.277	+0.249	23 15—23 20	+0.030	+0.289	+0.777
27	Ei.	3.0— 3.3	+0.038	+0.783	+0.578	+0.577	3 55— 6 10	+0.039	+0.047	+0.976
27		6.5— 6.7	+0.040	+0.795	+0.573	+0.575				
27	M.	20.1—21.8	+0.055	+0.810	+0.513	+0.516	20 40—20 45	+0.056	+0.109	+0.954
28		1.5— 2.0	+0.060	+0.796	+0.483	+0.480	2 20— 3 10	+0.046	+0.119	+0.926
28	Ei.	3.5 ———	.....	+0.799	.....	.....	4 20— 5 25	+0.032	+0.106	+0.930
28	M.	3.8— 4.0	+0.036	.....	+0.503	+0.487				
28		5.5— 5.7	+0.033	.....	+0.510	+0.503				
28	Ei.	5.8 ———	.....	+0.787	.....	.....		
29	Y.	20.4—22.1	+0.063	+0.828	+0.562	+0.541	20 45—23 50	+0.057	+0.092	+0.988
30		23.5— 0.1	+0.056	+0.831	+0.545	+0.548				
30		1.9— 2.2	+0.061	+0.816	+0.571	+0.506	2 6	+0.056	+0.090	+0.960
30		3.7— 4.2	+0.072	+0.850	+0.565	+0.552	4 0	+0.056	+0.090	+1.009
30		7.5— 7.8	+0.063	+0.841	+0.596	+0.569	4 40— 7 15	+0.062	+0.084	+1.011
Feb. 1	Y.	19.6—20.6	+0.076	+0.829	+0.574	+0.509	21 0—21 5	+0.059	+0.088	+0.972
2		23.5— 0.3	+0.076	+0.844	+0.539	+0.504	23 55— 0 0	+0.066	+0.118	+0.977
2		3.3— 5.0	+0.060	+0.808	+0.559	+0.540	3 50— 4 35	+0.054	+0.076	+0.969
3	M.	19.8—20.7	+0.072	+0.828	+0.678	+0.642				
5	Y.	20.0—21.0	+0.077	+0.878	+0.619	+0.562	21 15—21 25	+0.062	+0.083	+1.042
6		4.5— 5.1	+0.067	+0.839	+0.537	+0.510	5 55— 7 0	+0.062	+0.110	+0.966
6		7.3— 7.8	+0.072	+0.818	+0.534	+0.504				
6	Br.	13.1—13.8	+0.060	+0.802	+0.508	+0.525	13 55—15 35	+0.059	+0.101	+0.950
6		15.9—16.3	+0.060	+0.805	+0.533	+0.509				
6		20.2—20.9	+0.056	+0.812	+0.536	+0.523	21 20— 0 20	+0.058	+0.102	+0.968
7		23.3—23.9	+0.060	+0.824	+0.523	+0.535				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	(Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1905		h h	s	s	s	s	h m h m	s	s	s
Feb. 7	Y.	3.9—4.1	+0.079	.....	+0.542	+0.493				
7	Ei.	4.3 .....	.....	+0.851	.....	.....	4 45—7 20	+0.060	+0.114	+0.977
7	Y.	7.6—7.7	+0.063	.....	+0.548	+0.517				
7	Ei.	8.0 .....	.....	+0.835	.....	.....		
9	Br.	13.2—13.8	+0.053	+0.815	+0.488	+0.483	13 55—15 55	+0.052	+0.134	+0.939
9		16.1—16.4	+0.063	+0.828	+0.503	+0.464				
9		20.5—21.3	+0.050	+0.836	+0.471	+0.493	21 30—21 40	+0.056	+0.154	+0.958
10		0.1—0.7	+0.047	+0.835	+0.466	+0.468	0 25—0 30	+0.047	+0.161	+0.943
10		1.5—2.4	+0.044	+0.867	+0.459	+0.457	2 0—2 5	+0.046	+0.181	+0.950
10	Y.	4.1—4.2	+0.051	.....	+0.455	+0.448	4 55—7 25	+0.050	+0.174	+0.940
10	Ei.	4.3 .....	.....	+0.840	.....	.....		
10	Y.	7.6—7.7	+0.060	.....	+0.476	+0.438				
10	Ei.	7.8 .....	.....	+0.853	.....	.....		
10	M.	15.5—15.7	+0.040	+0.839	+0.462	+0.473	14 35—15 15	+0.043	+0.165	+0.949
10		20.6—21.3	+0.056	+0.817	+0.544	+0.459	21 35—21 40	+0.056	+0.156	+0.924
11		0.3—0.8	+0.060	+0.851	+0.441	+0.439	0 30—2 55	+0.054	+0.184	+0.928
11		2.2—2.4	+0.057	+0.837	+0.458	+0.423	3 35—4 20	+0.047	+0.177	+0.919
13	Y.	4.1—4.8	+0.069	+0.844	+0.480	+0.426	4 35—5 45	+0.056	+0.158	+0.942
13		5.9—6.6	+0.057	+0.833	+0.481	+0.488				
13	Br.	20.3—20.9	+0.071	+0.887	+0.594	+0.552	20 40—21 55	+0.060	+0.106	+1.044
13		21.5 .....	.....	+0.882	.....	.....		
14		0.1—0.4	+0.055	+0.863	+0.569	+0.588	0 40—0 45	+0.061	+0.096	+1.039
14		4.2—4.5	+0.065	+0.879	+0.570	+0.542	4 45—7 15	+0.053	+0.117	+1.028
14		7.5—7.8	+0.053	+0.879	+0.560	+0.546				
14	M.	20.6—21.6	+0.078	+0.865	+0.601	+0.517	21 50—22 0	+0.063	+0.099	+1.012
15		5.3—5.7	+0.073	+0.878	+0.559	+0.544	4 40—6 30	+0.069	+0.120	+1.027
15	Y.	20.7—21.4	+0.080	+0.901	+0.678	+0.608	20 55—22 0	+0.062	+0.054	+1.090
16		0.6—1.0	+0.104	+0.917	+0.662	+0.543	0 50—0 55	+0.072	+0.088	+1.067
16		4.2—4.5	+0.082	+0.895	+0.592	+0.533	4 55—7 30	+0.065	+0.109	+1.032
16		7.7—7.9	+0.079	+0.879	+0.593	+0.537				
17	Br.	4.2—4.9	+0.058	+0.816	+0.482	+0.459	5 0—6 25	+0.052	+0.156	+0.945
17		6.6 .....	.....	+0.863	.....	.....		
17	Y.	7.2—7.4	+0.066	.....	+0.500	+0.452	7 45—10 5	+0.044	+0.166	+0.950
17		10.3—10.4	+0.048	.....	+0.485	+0.434				
17	Ei.	10.5 .....	.....	+0.843	.....	.....		
17	M.	13.2—13.5	+0.078	+0.847	+0.513	+0.442	13 55—16 0	+0.052	+0.150	+0.946
17		16.3—16.7	+0.069	+0.858	+0.524	+0.433				
17		20.7—21.7	+0.075	+0.854	+0.517	+0.433	22 5—22 10	+0.052	+0.152	+0.945
18		0.3—0.7	+0.060	+0.855	+0.465	+0.433	0 55—1 0	+0.052	+0.183	+0.941
18		4.9—5.0	+0.072	.....	+0.466	+0.427				
18	Ei.	5.1 .....	.....	+0.853	.....	.....	5 0	+0.058	+0.182	+0.942
18	M.	8.9—9.0	+0.076	.....	+0.525	+0.445	9 0	+0.058	+0.142	+0.942
18	Ei.	9.1 .....	.....	+0.848	.....	.....		
20	Br.	11.8—12.4	+0.058	+0.803	+0.442	+0.406	11 35—15 0	+0.040	+0.164	+0.882
20		14.4—14.6	+0.042	+0.796	+0.449	+0.407				
20		20.9—21.9	+0.055	+0.831	+0.453	+0.381	22 15—22 20	+0.036	+0.186	+0.894
23	Br.	13.9—14.4	+0.037	+0.787	+0.381	+0.361	14 30—16 30	+0.028	+0.210	+0.834
23		16.6—17.1	+0.046	+0.802	+0.390	+0.311				
23		21.3—22.1	+0.047	+0.808	+0.382	+0.382	21 45—22 35	+0.032	+0.223	+0.841
24		0.8—1.5	+0.041	+0.799	+0.308	+0.283	1 15—1 20	+0.035	+0.268	+0.803
24	Y.	4.3—4.4	+0.050	.....	+0.312	+0.308				
24	Ei.	4.6 .....	.....	+0.801	.....	.....	4 55—7 50	+0.046	+0.252	+0.818
24		7.9 .....	.....	+0.802	.....	.....	8 25—11 0	+0.046	+0.252	+0.824
24	Y.	8.1—8.2	+0.052	.....	+0.350	+0.303				
24		11.1—11.3	+0.047	.....	+0.320	+0.326				
24	Ei.	11.4 .....	.....	+0.801	.....	.....		

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1905		h h	s	s	s	■	h m h m	s	■	s
Feb. 24	M.	13.6—14.0	+0.038	+0.802	+0.318	+0.355	14 25—16 20	+0.054	+0.256	+0.852
24		16.8—17.2	+0.042	+0.817	+0.301	+0.369				
24		21.3—22.1	+0.036	+0.804	+0.378	+0.339	22 30—22 35	+0.036	+0.226	+0.851
26	M.	22.2 ....	.....	+0.757	.....	.....		
27		23.9—0.0	+0.031	.....	+0.360	+0.327	23 12	+0.030	+0.202	+0.798
27		1.6—1.9	+0.039	+0.779	+0.313	+0.304	1 42	+0.030	+0.248	+0.798
Mar. 1	Y.	14.4—15.0	+0.048	+0.808	+0.306	+0.328	15 10—16 35	+0.048	+0.268	+0.826
1		16.7—17.2	+0.046	+0.812	+0.309	+0.295				
1		20.3—20.6	+0.060	+0.820	+0.355	+0.349	20 10—20 15	+0.055	+0.240	+0.857
1		21.6—22.2	+0.068	+0.804	+0.372	+0.310	22 50—22 55	+0.055	+0.230	+0.827
2		1.2—1.8	+0.069	+0.828	+0.338	+0.301	1 35—1 40	+0.059	+0.265	+0.837
2		4.4—4.5	+0.060	.....	+0.326	+0.278				
2	Ei.	4.6 .....	.....	+0.837	.....	.....	5 20—7 50	+0.048	+0.272	+0.848
2	Y.	7.9—8.0	+0.055	.....	+0.350	+0.326				
2	Ei.	8.1 .....	.....	+0.844	.....	.....		
5	Y.	21.9—22.7	+0.050	+0.783	+0.333	+0.287	23 5—23 10	+0.038	+0.243	+0.795
6		1.2—2.2	+0.030	+0.812	+0.257	+0.273	1 45—1 50	+0.034	+0.306	+0.801
6	Ei.	4.9 .....	.....	+0.767	.....	.....	5 30—7 15	+0.028	+0.303	+0.754
6	Y.	5.2—5.4	+0.019	.....	+0.231	+0.248				
6		7.3—7.5	+0.035	.....	+0.238	+0.232				
6	Ei.	7.6 .....	.....	+0.786	.....	.....		
10	Y.	5.2—5.3	+0.021	.....	+0.325	+0.336				
10	Ei.	5.4 .....	.....	+0.773	.....	.....	6 5—12 5	+0.018	+0.229	+0.813
10	Y.	8.8—8.9	+0.007	.....	+0.322	+0.341				
10	Ei.	9.0 .....	.....	+0.771	.....	.....		
10	Y.	12.1—12.3	+0.022	.....	+0.345	+0.322				
10	Ei.	12.4 .....	.....	+0.783	.....	.....		
10	M.	13.1 .....	.....	+0.759	.....	.....	13 40—16 10	+0.018	+0.207	+0.807
10		16.2—16.5	+0.012	+0.751	+0.345	+0.369				
10		22.2—23.0	+0.001	+0.744	+0.312	+0.348	23 20—23 30	+0.011	+0.217	+0.794
11		2.2—2.5	+0.018	+0.786	+0.256	+0.297	2 0—3 25	+0.028	+0.285	+0.792
12	Y.	14.9—15.5	+0.029	+0.779	+0.318	+0.319	15 20—17 5	+0.029	+0.248	+0.800
12		17.2—17.5	+0.029	+0.778	+0.301	+0.302				
12		22.5—23.2	+0.037	+0.797	+0.375	+0.324	22 48	+0.028	+0.220	+0.829
13		1.3—1.6	+0.040	+0.799	+0.290	+0.267	1 30	+0.028	+0.282	+0.792
13		4.3—4.5	+0.041	+0.790	+0.293	+0.268	5 5—5 10	+0.026	+0.264	+0.779
13	Y.	6.2—6.3	+0.010	.....	+0.274	+0.301				
13	Ei.	6.5 .....	.....	+0.751	.....	.....	6 55—9 45	+0.013	+0.250	+0.777
13	Y.	9.9—10.0	+0.018	.....	+0.319	+0.281				
13	Ei.	10.1 .....	.....	+0.773	.....	.....		
13	Br.	14.5—15.1	+0.021	+0.760	+0.300	+0.299	14 48	+0.025	+0.241	+0.779
13		17.5—17.9	+0.021	+0.776	+0.312	+0.339	17 42	+0.025	+0.241	+0.815
13		22.4—23.2	+0.047	+0.805	+0.397	+0.309	22 48	+0.018	+0.228	+0.836
14		1.4—1.8	+0.026	+0.780	+0.371	+0.250	1 36	+0.018	+0.228	+0.786
14		5.4—6.3	+0.029	+0.764	+0.308	+0.269	6 0—6 5	+0.019	+0.250	+0.768
14	M.	23.3 .....	.....	+0.762	.....	.....	23 35—23 45	+0.016	+0.247	+0.784
15		0.8—1.0	+0.010	.....	+0.292	+0.311				
15		1.8 .....	.....	+0.771	+0.314	+0.281	2 10—2 15	+0.008	+0.247	+0.784
15		6.1—6.6	+0.018	+0.742	+0.271	+0.274	6 55—9 10	+0.020	+0.258	+0.764
15		9.6—10.2	+0.022	+0.771	+0.288	+0.284				
15	Y.	14.2—14.9	+0.011	+0.755	+0.310	+0.313	15 5—17 15	+0.014	+0.245	+0.798
15		17.3—17.6	+0.010	+0.788	+0.300	+0.320				
15		22.5—23.4	+0.044	+0.773	+0.334	+0.298	22 54	+0.033	+0.233	+0.784
16		1.7—2.4	-0.010	+0.782	+0.228	+0.273	1 54	+0.002	+0.303	+0.784
16	Y.	6.3—6.5	-0.014	.....	+0.144	+0.189				
16	Ei.	6.6 .....	.....	+0.748	.....	.....	7 10—9 45	-0.002	+0.346	+0.698
16	Y.	9.8—10.0	-0.014	.....	+0.151	+0.197				
16	Ei.	10.1 .....	.....	+0.749	.....	.....		

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1905		h h	s	s	s	s	h m h m	s	s	s
Mar. 16	Br.	22.3—23.4	−0.020	+0.725	+0.218	+0.251	22 48	−0.016	+0.278	+0.717
17		0.7—1.2	−0.035	+0.712	+0.160	+0.211	1 0	−0.016	+0.311	+0.682
17	Y.	9.5—10.2	−0.038	+0.684	+0.154	+0.169	9 0—9 45	−0.034	+0.306	+0.637
17	M.	22.8—23.5	−0.039	+0.670	+0.208	+0.108	23 45—0 25	−0.050	+0.288	+0.606
18		1.1—1.5	−0.033	+0.663	+0.157	+0.152	2 15—2 20	−0.034	+0.296	+0.612
18		6.3—6.7	−0.045	+0.663	+0.098	+0.094	7 15—10 5	−0.043	+0.348	+0.588
18		9.5—10.2	−0.046	+0.685	+0.091	+0.110				
19	Br.	11.2—11.7	−0.063	+0.616	+0.121	+0.137	11 0—11 5	−0.059	+0.289	+0.563
23	Y.	6.2—6.4	−0.044	.....	+0.172	+0.180				
23	Ei.	6.5 .....	.....	+0.735	.....	.....	7 10—8 0	−0.046	+0.324	+0.686
23	Y.	8.3—8.4	−0.048	.....	+0.183	+0.178				
23	Ei.	8.5 .....	.....	+0.739	.....	.....		
24	M.	23.0—23.9	−0.049	+0.693	+0.165	+0.172	23 18	−0.046	+0.305	+0.643
25		1.5—2.0	−0.043	+0.712	+0.141	+0.135	1 48	−0.046	+0.339	+0.639
25	M.	6.7—6.8	−0.075	.....	+0.096	+0.128				
25	Ei.	6.9 .....	.....	+0.695	.....	.....		
25	M.	10.1—10.2	−0.058	.....	+0.112	+0.115	7 35—10 0	−0.064	+0.358	+0.624
25	Ei.	10.3 .....	.....	+0.717	.....	.....	10 35—13 10	−0.064	+0.362	+0.632
25	M.	13.2—13.3	−0.065	.....	+0.120	+0.113				
25	Ei.	13.4 .....	.....	+0.721	.....	.....		
25	Br.	14.0 .....	.....	+0.688	.....	.....	14 15—17 10	−0.060	+0.356	+0.622
25		16.7—17.0	−0.052	+0.728	+0.112	+0.114				
26	Y.	15.2—15.8	−0.045	+0.695	+0.113	+0.120	15 30—17 40	−0.049	+0.342	+0.618
26		17.9—18.2	−0.059	+0.691	+0.119	+0.135				
26		23.0—0.0	−0.068	+0.668	+0.158	+0.075	0 20—0 25	−0.090	+0.316	+0.576
27	Y.	6.8—7.0	−0.071	.....	+0.052	+0.051				
27	Ei.	7.2 .....	.....	+0.677	.....	.....	7 45—9 40	−0.072	+0.390	+0.556
27	Y.	9.7—9.8	−0.071	.....	+0.051	+0.031	10 25—12 45	−0.072	+0.401	+0.558
27	Ei.	9.9 .....	.....	+0.684	.....	.....		
27	Y.	12.9—13.0	−0.078	.....	+0.027	+0.047				
27	Ei.	13.2 .....	.....	+0.690	.....	.....		
27	Br.	14.3 .....	.....	+0.673	.....	.....	14 35—19 5	−0.072	+0.386	+0.567
27		16.8—17.4	−0.085	+0.679	+0.037	+0.088				
27		18.6—19.2	−0.071	+0.684	+0.062	+0.060				
27		23.3—0.1	−0.088	+0.648	+0.079	+0.040	0 25—1 30	−0.099	+0.362	+0.522
28		1.9—2.3	−0.105	+0.626	+0.023	+0.041	2 35—2 40	−0.099	+0.371	+0.511
28		7.5—8.3	−0.117	+0.605	−0.005	+0.009	7 48	−0.112	+0.388	+0.475
28		10.3—10.7	−0.125	+0.625	−0.018	+0.033	10 30	−0.112	+0.388	+0.502
28	M.	14.7—15.0	−0.096	+0.644	+0.018	+0.009	14 48	−0.098	+0.400	+0.508
28		17.6—18.0	−0.101	+0.667	+0.009	+0.025	17 48	−0.098	+0.400	+0.533
28		19.5—19.7	.....	+0.657	+0.008	+0.092	19 55—20 0	−0.083	+0.388	+0.560
28		23.3—0.1	−0.085	+0.613	+0.025	+0.022	0 25—1 35	−0.089	+0.374	+0.494
29		1.7—2.4	−0.098	+0.622	+0.003	+0.025	2 35—2 40	−0.089	+0.383	+0.498
29	M.	6.9—7.1	−0.094	.....	−0.005	−0.008				
29	Ei.	7.3 .....	.....	+0.642	.....	.....	7 55—10 40	−0.096	+0.408	+0.502
29	M.	11.0—11.1	−0.112	.....	−0.024	+0.030				
29	Ei.	11.2 .....	.....	+0.637	.....	.....		
29	Y.	14.2—14.6	−0.109	+0.620	+0.018	+0.031	15 15—16 50	−0.106	+0.370	+0.495
29		16.9—17.2	−0.106	+0.612	+0.019	+0.022				
30	Y.	8.5—8.8	−0.095	+0.675	+0.012	+0.022				
30		12.1—12.3	−0.084	.....	+0.015	+0.011	11 25—12 5	−0.089	+0.406	+0.527
30	Ei.	12.4 .....	.....	+0.654	.....	.....		

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1905		h h	s	°	s	s	h m h m	°	°	s
Mar. 30	Br.	15.0—15.9	-0.071	+0.652	+0.015	+0.015	15 30—17 50	-0.072	+0.398	+0.527
30		18.0—18.6	-0.072	+0.669	+0.029	+0.028				
30		21.2—21.8	-0.088	+0.639	+0.028	+0.031	21 35—21 40	-0.085	+0.380	+0.520
30		23.3—0.2	-0.077	+0.645	+0.031	+0.033	23 42	-0.085	+0.388	+0.522
31		2.0—2.8	-0.084	+0.629	+0.009	-0.021	2 24	-0.085	+0.388	+0.479
							2 35—2 40	-0.085	+0.395	+0.479
31	Y.	6.6—7.0	-0.071	+0.616	-0.026	-0.048	7 30—8 25	-0.084	+0.412	+0.454
31		8.7—8.8	-0.091	.....	-0.035	-0.034				
31	Ei.	9.0 .....	.....	+0.613	.....	.....	8 25—8 40	-0.084	+0.412	+0.454
31	Y.	12.1—12.2	-0.078	.....	-0.027	-0.015	9 35—12 5	-0.083	+0.409	+0.464
31	Ei.	12.3 .....	.....	+0.620	.....	.....		
31	M.	16.6—16.8	-0.083	+0.596	-0.050	-0.004	14 0—16 20	-0.073	+0.405	+0.464
31		23.5—0.5	-0.075	+0.615	-0.018	+0.002	0 40—0 45	-0.069	+0.396	+0.478
Apr. 1	M.	8.9—9.0	-0.084	.....	-0.040	-0.061				
1	Ei.	9.2 .....	.....	+0.620	.....	.....	9 55—11 55	-0.084	+0.420	+0.449
1	M.	12.2	-0.081	.....	-0.044	-0.032				
1	Ei.	12.3 .....	.....	+0.608	.....	.....		
2	Y.	14.6—15.4	-0.070	+0.616	-0.048	+0.009	15 6	-0.050	+0.412	+0.478
2		18.1—18.6	-0.055	+0.669	-0.001	+0.041	18 24	-0.050	+0.412	+0.542
2		23.7—0.4	-0.045	+0.664	+0.003	-0.028	0 45—0 50	-0.053	+0.421	+0.502
3		3.2—3.8	-0.046	+0.647	-0.004	-0.021	1 55—2 45	-0.050	+0.413	+0.492
3		8.8—9.1	-0.042	+0.663	-0.018	-0.042				
3	Br.	23.6—0.6	-0.063	+0.591	+0.014	-0.042	0 50—2 45	-0.080	+0.378	+0.430
4		2.8—3.2	-0.087	+0.565	-0.043	-0.027				
4		7.1—7.7	-0.091	+0.584	-0.034	-0.004	7 55—9 5	-0.091	+0.391	+0.439
4		9.3—9.7	-0.097	+0.584	-0.034	-0.042				
7	M.	15.1—15.8	-0.036	+0.700	+0.096	+0.051	15 30—17 55	-0.047	+0.371	+0.588
7		18.3—18.6	-0.054	+0.686	+0.072	+0.105				
7		0.8 .....	.....	+0.681	.....	.....	1 5—1 10	-0.018	+0.374	+0.574
8		1.9—2.8	-0.027	+0.700	+0.054	+0.086	2 35—2 40	-0.018	+0.391	+0.595
8		3.8 .....	.....	.....	+0.034	+0.054	3 55—4 0	-0.018	+0.411	+0.579
8	Y.	8.7—8.9	-0.039	.....	+0.063	+0.054				
8	Ei.	9.1 .....	.....	+0.713	.....	.....	8 54	-0.043	+0.402	+0.589
8	Y.	12.1—12.2	-0.043	.....	+0.103	+0.095	12 12	-0.043	+0.365	+0.610
8	Ei.	12.3 .....	.....	+0.706	.....	.....	12 55—15 25	-0.043	+0.366	+0.614
8	Y.	15.6—15.7	-0.039	.....	+0.111	+0.098				
8	Ei.	15.9 .....	.....	+0.715	.....	.....		
9	Y.	14.8—15.7	-0.046	+0.648	+0.054	+0.039	15 30—17 55	-0.050	+0.362	+0.527
9		18.2—18.4	-0.047	+0.635	+0.061	+0.045				
9		0.3—0.9	-0.042	+0.621	+0.090	+0.036	1 10—2 40	-0.066	+0.344	+0.512
10		2.5—3.1	-0.081	+0.617	+0.035	+0.057				
10	Br.	0.2—0.9	-0.108	+0.523	+0.056	-0.015	1 15—1 20	-0.127	+0.301	+0.405
13	Y.	7.6—8.1	-0.097	+0.599	+0.012	+0.031	8 30—10 5	-0.082	+0.374	+0.497
13	Ei.	11.1 .....	.....	+0.643	.....	.....		
13	Y.	11.5—11.6	-0.070	.....	+0.027	+0.011	10 10—11 5	-0.082	+0.374	+0.497
13		14.2—14.4	-0.065	.....	+0.082	+0.070	11 24	-0.071	+0.386	+0.509
13	Ei.	14.7 .....	.....	+0.639	.....	.....	14 24	-0.071	+0.340	+0.543
13	Br.	15.2 .....	.....	+0.629	.....	.....	15 25—18 20	-0.070	+0.343	+0.537
13		18.5—19.2	-0.076	+0.633	+0.058	+0.071				
14	Ei.	11.0 .....	.....	+0.629	.....	.....	11 15—14 15	-0.069	+0.384	+0.525
14	Y.	11.6—11.7	-0.076	.....	+0.021	+0.042				
14		14.3—14.5	-0.055	.....	+0.044	+0.018	15 10—17 35	-0.069	+0.384	+0.542
14	Ei.	14.6 .....	.....	+0.671	.....	.....		
14	Y.	17.6—17.8	-0.064	.....	+0.073	+0.031				
14	Ei.	18.0 .....	.....	+0.674	.....	.....		

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1905		h h	s	s	°	s	h m h m	s	s	s
Apr. 16	Br.	9.9—10.4	−0.073	+0.679	+0.057	+0.079	10 35—12 50	−0.064	+0.368	+0.584
16		13.0—13.6	−0.071	+0.678	+0.074	+0.112				
17	Y.	10.9—11.1	−0.051	.....	+0.127	+0.122				
17	S.	.....	.....	.....	.....	.....	10 20—10 50	−0.059	+0.343	+0.630
17	Ei.	11.2 .....	.....	+0.710	.....	.....	11 40—14 15	−0.059	+0.343	+0.630
17	Y.	14.3—14.5	−0.055	.....	+0.151	+0.116	15 10—17 40	−0.059	+0.333	+0.638
17	Ei.	14.6 .....	.....	+0.712	.....	.....		
17	Y.	17.8—17.9	−0.055	.....	+0.157	+0.141				
17	Ei.	18.0 .....	.....	+0.712	.....	.....		
17	Br.	0.7—1.2	−0.049	+0.666	+0.119	+0.122	1 40—1 50	−0.048	+0.326	+0.594
18	S.	.....	.....	.....	.....	.....	9 50—10 50	−0.060	+0.356	+0.577
18	Br.	9.9—11.3	−0.073	+0.656	+0.060	+0.100	10 24	−0.060	+0.356	+0.577
18		13.8—14.3	−0.066	+0.652	+0.099	+0.132	14 0	−0.060	+0.324	+0.577
18	M.	17.6—17.8	−0.032	+0.719	+0.173	+0.101	14 0	−0.054	+0.328	+0.586
18		0.7—1.3	−0.044	+0.662	+0.160	+0.141	17 42	−0.054	+0.328	+0.631
							1 45—1 50	−0.050	+0.295	+0.604
19	Ei.	10.9 .....	.....	+0.654	.....	.....	11 45—14 35	−0.055	+0.380	+0.547
19	M.	11.2—11.3	−0.048	.....	+0.060	+0.044				
19		14.3—14.7	−0.048	.....	+0.056	+0.034				
19	Ei.	14.9 .....	.....	+0.684	.....	.....		
19	Y.	18.0—18.4	−0.055	+0.674	+0.075	+0.064	15 40—17 55	−0.055	+0.379	+0.560
19		0.7—1.4	−0.063	+0.642	+0.092	+0.059	1 50—2 25	−0.078	+0.358	+0.528
20		2.9—3.4	−0.072	+0.651	+0.053	+0.002				
20	Y.	10.9—11.0	−0.110	.....	−0.027	−0.024	11 0	−0.108	+0.411	+0.476
20	Ei.	11.2 .....	.....	+0.631	.....	.....	15 18	−0.108	+0.411	+0.448
20	Y.	15.3—15.4	−0.114	.....	−0.044	−0.023	15 30—15 35	−0.108	+0.398	+0.440
20	Ei.	15.1 .....	.....	+0.597	.....	.....		
20	Br.	16.0 .....	.....	+0.581	.....	.....	16 25—18 25	−0.108	+0.392	+0.429
20		18.7—19.2	−0.107	+0.579	−0.035	−0.039				
20		1.3—1.7	−0.127	+0.546	−0.021	+0.016	1 50—2 0	−0.117	+0.351	+0.432
21	M.	1.0—1.6	−0.082	+0.627	+0.014	−0.021	1 55—2 0	−0.092	+0.390	+0.477
22	M.	10.2—10.5	−0.093	+0.601	−0.050	−0.021	10 24	−0.084	+0.418	+0.451
22		13.2—13.3	−0.092	.....	−0.037	−0.002	13 18	−0.084	+0.418	+0.494
22	Ei.	13.4 .....	.....	+0.642	.....	.....		
22	M.	16.7—16.8	−0.075	.....	−0.005	−0.005	14 10—16 15	−0.078	+0.420	+0.500
22	Ei.	16.9 .....	.....	+0.655	.....	.....		
23	Y.	15.8—16.5	−0.085	+0.616	−0.027	−0.020	16 45—18 40	−0.080	+0.414	+0.478
23		18.9—19.2	−0.076	+0.647	−0.018	−0.021				
23		0.9—1.8	−0.043	+0.659	+0.018	−0.051	2 5—2 10	−0.061	+0.415	+0.489
24	Y.	11.0—11.1	−0.086	.....	−0.069	−0.080				
24	Ei.	11.3 .....	.....	+0.623	.....	.....	11 55—14 15	−0.087	+0.441	+0.440
24	Y.	14.3—14.4	−0.087	.....	−0.063	−0.055				
24	Ei.	14.7 .....	.....	+0.617	.....	.....		
24	Br.	18.9—19.3	−0.100	+0.609	−0.063	−0.069	15 55—19 40	−0.094	+0.434	+0.438
24		1.3—1.8	−0.107	+0.579	−0.094	−0.092	2 5—2 15	−0.107	+0.436	+0.392
25		8.8—9.4	−0.110	+0.535	−0.109	−0.093	9 30—11 30	−0.102	+0.428	+0.362
25		11.7—12.2	−0.105	+0.554	−0.119	−0.100				
26	Y.	1.1—2.0	−0.102	+0.543	−0.010	−0.006	2 15—2 20	−0.101	+0.348	+0.418
27		10.6—11.3	−0.118	+0.568	−0.043	−0.039	11 30—13 5	−0.118	+0.385	+0.422
27		14.0—14.2	−0.112	+0.568	−0.035	−0.021				
27	Br.	18.2—18.7	−0.122	+0.566	−0.014	−0.040	15 40—17 45	−0.118	+0.376	+0.422
27		21.4—21.8	−0.129	+0.549	−0.073	−0.037	22 10—22 15	−0.118	+0.394	+0.400
27		1.3—2.0	−0.123	+0.570	−0.027	−0.034	2 20—2 25	−0.125	+0.380	+0.423
28		10.7—10.9	−0.113	+0.534	−0.067	−0.056	11 30—13 5	−0.114	+0.393	+0.388
28		14.1—14.2	−0.123	+0.556	−0.071	−0.052				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1905		h h	■	s	s	s	h m h ■	■	■	s
Apr. 30	Y.	14. 0—14. 2	-0.113	+0.562	-0.092	-0.093	15 0—17 55	-0.104	+0.420	+0.386
30		18. 1—18. 4	-0.093	+0.571	-0.071	-0.082				
30		1. 4—2. 3	-0.084	+0.588	-0.058	-0.057	2 30—2 35	-0.084	+0.414	+0.421
May 1		10. 6—11. 0	-0.098	+0.565	-0.096	-0.059	11 30—13 10	-0.094	+0.422	+0.404
1		14. 0—14. 3	-0.088	+0.594	-0.050	-0.092				
1	Br.	1. 4—2. 1	-0.075	+0.593	-0.074	-0.053	1 55—2 40	-0.069	+0.426	+0.426
2		10. 6—11. 1	-0.107	+0.487	-0.108	-0.106	11 30—13 5	-0.109	+0.397	+0.323
2		14. 0—14. 2	-0.110	+0.515	-0.103	-0.107				
2	M.	17. 9—18. 1	-0.106	+0.547	-0.082	-0.095	15 40—17 45	-0.109	+0.408	+0.351
3	Y.	1. 5—2. 2	-0.120	+0.528	-0.050	-0.111	1 50—2 50	-0.136	+0.384	+0.348
7	Y.	14. 0—14. 3	-0.143	+0.507	-0.032	+0.001	15 40—17 45	-0.122	+0.350	+0.384
7		17. 9—18. 2	-0.130	+0.503	-0.086	-0.011				
7		2. 0—2. 6	-0.112	+0.533	-0.018	-0.035	1 45—3 5	-0.116	+0.352	+0.396
8		6. 5—6. 8	-0.110	+0.514	-0.041	-0.082	6 20—6 25	-0.120	+0.365	+0.353
8	Y.	14. 0—14. 2	-0.121	+0.523	-0.021	-0.027	15 40—17 45	-0.124	+0.352	+0.388
8		17. 9—18. 3	-0.126	+0.524	-0.035	-0.037				
8	Br.	2. 1—2. 7	-0.115	+0.525	-0.055	-0.114	1 45—3 5	-0.131	+0.385	+0.343
9	M.	1. 9—2. 7	-0.121	+0.501	-0.110	-0.046	3 5—3 10	-0.104	+0.386	+0.354
10	Hl.	0. 3—1. 4	-0.131	+0.491	-0.062	-0.064	1 45—3 15	-0.131	+0.357	+0.342
11		8. 0—8. 3	-0.132	.....	-0.095	-0.102				
11		9. 0—10. 8	-0.150	+0.459	-0.115	-0.069				
11	Br.	2. 3—2. 7	-0.154	+0.491	-0.069	-0.049	1 45—3 20	-0.148	+0.358	+0.350
12		10. 6—11. 1	-0.159	+0.435	-0.137	-0.064	11 30—13 25	-0.150	+0.349	+0.304
12		14. 0—14. 4	-0.155	+0.457	-0.063	-0.062	14 12	-0.150	+0.348	+0.317
12	Y.	17. 6—18. 1	-0.151	+0.502	-0.056	-0.068	17 54	-0.150	+0.348	+0.349
12	M.	1. 0—1. 3	-0.151	+0.479	-0.055	-0.042	1 40—1 45	-0.145	+0.336	+0.338
12		2. 4—2. 8	-0.148	+0.459	-0.062	-0.040	3 15—3 25	-0.142	+0.332	+0.330
14	Hl.	0. 8—2. 0	-0.137	+0.490	-0.064	-0.071	3 25—3 30	-0.139	+0.359	+0.337
16	Br.	10. 8—11. 3	-0.178	+0.408	-0.075	-0.046	11 30—13 10	-0.171	+0.316	+0.295
16		14. 1—14. 3	-0.180	+0.431	-0.074	-0.047	14 0—14 50	-0.172	+0.323	+0.304
16	M.	3. 1 .....	.....	+0.504	.....	.....	3 30—3 40	-0.138	+0.388	+0.347
17		4. 7—4. 8	-0.148	.....	-0.103	-0.064				
18	Hl.	14. 2—14. 5	-0.135	+0.523	-0.104	-0.092				
18	Br.	18. 7—19. 2	-0.128	+0.578	-0.122	-0.101	14 24	-0.127	+0.406	+0.347
18		1. 0—1. 4	-0.123	+0.539	-0.089	-0.111	18 54	-0.127	+0.454	+0.384
18		2. 7—3. 4	-0.116	+0.555	-0.069	-0.121	2 5—2 10	-0.130	+0.414	+0.356
							3 40—3 45	-0.130	+0.414	+0.361
19	Y.	12. 1—12. 2	-0.124	.....	-0.110	-0.124	14 5—15 15	-0.128	+0.418	+0.344
19	Ei.	12. 3 .....	.....	+0.523	.....	.....		
19	Y.	15. 3—15. 4	-0.125	.....	-0.099	-0.105	16 10—19 5	-0.118	+0.424	+0.368
19	Ei.	15. 5 .....	.....	+0.543	.....	.....		
19	Y.	19. 1—19. 2	-0.100	.....	-0.075	-0.115				
19	Ei.	19. 4 .....	.....	+0.573	.....	.....		
19	M.	1. 2—1. 9	-0.123	+0.562	-0.106	-0.101	1 40—2 15	-0.120	+0.425	+0.360
19		2. 8—3. 3	-0.119	+0.530	-0.104	-0.106	3 45—3 50	-0.119	+0.415	+0.346
20		14. 0—14. 2	-0.119	+0.551	-0.100	-0.105	14 40—17 45	-0.118	+0.414	+0.358
20		17. 9—18. 3	-0.108	+0.536	-0.075	-0.109				
21	Br.	14. 9—15. 2	-0.120	+0.504	-0.098	-0.100	15 0	-0.112	+0.394	+0.330
21		18. 7—19. 3	-0.103	+0.568	-0.106	-0.113	18 54	-0.112	+0.441	+0.371

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1905										
May 21	HI.	h h 0.9—2.1	s -0.078	s +0.581	s -0.078	s -0.118	h m h m 1 24	s -0.098	s +0.428	s +0.382
21		2.8—3.6	-0.103	+0.536	-0.103	-0.127	3 6	-0.098	+0.428	+0.340
22	HI.	10.7—11.6	-0.122	+0.459	-0.142	-0.147	3 50—4 0	-0.109	+0.422	+0.340
22	Ei.	13.3 .....	.....	+0.496	.....	.....	11 6	-0.121	+0.406	+0.266
22	Y.	13.5—13.6	-0.126	.....	-0.138	-0.105	13 30	-0.121	+0.416	+0.315
22		16.6—16.7	-0.113	.....	-0.097	-0.128	16 42	-0.121	+0.416	+0.341
22	Ei.	16.8 .....	.....	+0.536	.....	.....		
22	Br.	1.2—2.0	-0.119	+0.530	-0.099	-0.106	1 45—2 25	-0.122	+0.398	+0.349
22		2.2—2.6	-0.120	+0.517	-0.071	-0.084	3 55—4 5	-0.123	+0.384	+0.351
23		14.2—14.9	-0.117	+0.518	-0.150	-0.125	14 35—17 45	-0.106	+0.420	+0.330
23		18.0—18.6	-0.102	+0.531	-0.116	-0.117				
23	M.	21.2—21.4	-0.085	+0.583	-0.049	-0.076	18 12	-0.098	+0.416	+0.340
23		1.2—2.0	-0.097	+0.584	-0.073	-0.060	21 18	-0.098	+0.416	+0.408
23		3.2—3.5	-0.090	+0.559	-0.098	-0.040	1 45—1 50	-0.084	+0.417	+0.410
24		11.3—11.6	-0.084	+0.552	-0.144	-0.137	4 0—4 5	-0.074	+0.414	+0.404
24							11 24	-0.090	+0.457	+0.339
24							13 30	-0.090	+0.424	+0.339
24	Ei.	13.3 .....	.....	+0.535	.....	.....	13 30	-0.093	+0.428	+0.335
24	Y.	13.6—13.7	-0.091	.....	-0.105	-0.133				
24		16.9—17.0	-0.094	.....	-0.103	-0.095	17 0	-0.093	+0.428	+0.376
24							17 30—19 55	-0.093	+0.430	+0.386
24	Ei.	17.1 .....	.....	+0.561	.....	.....		
24	Y.	19.9—20.0	-0.080	.....	-0.073	-0.099				
24	Ei.	20.2 .....	.....	+0.584	.....	.....		
24	HI.	21.4—22.3	-0.051	+0.571	-0.043	-0.108	21 50—21 55	-0.078	+0.418	+0.389
24		0.9—1.4	-0.071	+0.570	-0.087	-0.092	1 45—1 50	-0.080	+0.416	+0.378
24		2.7—3.2	-0.093	+0.537	-0.093	-0.069	4 5—4 10	-0.087	+0.404	+0.371
25		11.3—11.8	-0.113	+0.483	-0.120	-0.122	12 55—14 15	-0.113	+0.398	+0.310
25		14.5—14.8	-0.107	+0.503	-0.101	-0.117				
25	Br.	15.5 .....	.....	+0.491	.....	.....	15 40—18 35	-0.117	+0.400	+0.320
25		18.7—19.2	-0.113	+0.517	-0.096	-0.129				
25		1.4—2.1	-0.146	+0.469	-0.099	-0.064	1 50—1 55	-0.136	+0.365	+0.322
25		3.4—3.8	-0.141	+0.453	-0.130	-0.121				
26	M.	1.5—2.4	-0.134	+0.522	-0.082	-0.096	1 48	-0.136	+0.394	+0.347
26		3.3—3.8	-0.123	+0.459	-0.072	-0.114	3 30	-0.136	+0.353	+0.291
27		14.1—14.8	-0.169	+0.447	-0.112	-0.056	4 10—4 20	-0.134	+0.353	+0.291
27		17.8—18.5	-0.170	+0.456	-0.121	-0.073	14 30—18 15	-0.156	+0.362	+0.305
28	HI.	16.6—17.3	-0.147	+0.466	-0.080	-0.081	19 10—20 20	-0.160	+0.347	+0.308
28		20.8—21.2	-0.189	+0.433	-0.101	-0.046				
28		0.3—1.4	-0.123	+0.503	-0.039	-0.101	1 50—1 55	-0.152	+0.347	+0.320
28		3.1—3.6	-0.164	+0.450	-0.066	-0.069	4 20—4 25	-0.165	+0.335	+0.306
31	HI.	3.1—4.3	-0.105	+0.584	-0.063	-0.111	4 30—4 40	-0.118	+0.427	+0.389
June 1	Y.	13.3—13.4	-0.127	.....	-0.158	-0.142				
1	Ei.	13.6 .....	.....	+0.561	.....	.....	13 24	-0.124	+0.470	+0.346
1	Y.	16.9—17.0	-0.127	.....	-0.105	-0.116	17 0	-0.124	+0.470	+0.402
1	Ei.	17.1 .....	.....	+0.609	.....	.....	17 0	-0.124	+0.456	+0.402
1	Y.	20.2—20.3	-0.115	.....	-0.095	-0.113	20 18	-0.124	+0.456	+0.386
1	Ei.	20.5 .....	.....	+0.585	.....	.....		
1	Br.	1.7—2.5	-0.121	+0.592	-0.073	-0.100	2 0	-0.130	+0.434	+0.401
1		3.8—4.3	-0.115	+0.536	-0.105	-0.166	4 0	-0.130	+0.434	+0.320
2	Br.	12.3—12.5	-0.135	+0.483	-0.157	-0.150	4 35—4 45	-0.131	+0.433	+0.320
2		14.8—15.2	-0.134	+0.517	-0.129	-0.162	12 55—14 45	-0.138	+0.429	+0.292
2	M.	17.8—18.0	-0.132	+0.543	-0.125	-0.124				
2							15 40—17 45	-0.138	+0.435	+0.324
2	HI.	20.8—21.3	-0.105	+0.534	-0.115	-0.144	18 10—18 15	-0.122	+0.434	+0.336
2		1.1—1.5	.....	+0.534	-0.131	-0.124	18 50—20 25	-0.122	+0.434	+0.336
2		3.5—4.0	-0.113	+0.525	-0.163	-0.122	2 0—3 20	-0.102	+0.441	+0.327
2		4.2 .....	.....	+0.522	.....	.....	4 40—4 45	-0.102	+0.438	+0.317

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1905		h h	s	s	s	s	h m h m	s	s	s
June 3	Y.	13.7—13.8	-0.117	.....	-0.167	-0.174				
3	Ei.	14.0 .....	.....	+0.523	.....	.....	13 48	-0.120	+0.446	+0.298
3	Y.	17.5—17.6	-0.124	.....	-0.128	-0.113	17 36	-0.120	+0.446	+0.347
3	Ei.	17.7 .....	.....	+0.539	.....	.....		
4	M.	1.6—2.3	-0.138	+0.450	-0.086	-0.088	1 54	-0.138	+0.352	+0.294
4		4.0—4.5	-0.181	+0.420	-0.108	-0.127	4 12	-0.186	+0.352	+0.249
							4 50—4 55	-0.186	+0.353	+0.249
5	Y.	13.2—13.3	-0.178	.....	-0.102	-0.085	13 55—15 55	-0.181	+0.338	+0.281
5	Ei.	13.4 .....	.....	+0.424	.....	.....		
5	Y.	16.0—16.1	-0.183	.....	-0.073	-0.088				
5	Ei.	16.2 .....	.....	+0.438	.....	.....		
5	Br.	1.9—2.8	-0.196	+0.408	-0.084	-0.091	2 12	-0.208	+0.323	+0.261
5		4.1—4.7	-0.222	+0.363	-0.082	-0.071	4 18	-0.208	+0.289	+0.237
							4 50—5 0	-0.219	+0.289	+0.237
8	Y.	13.1—13.3	-0.156	.....	-0.115	-0.126	13 18	-0.159	+0.430	+0.339
8	Ei.	13.4 .....	.....	+0.523	.....	.....		
8	Y.	16.0—16.1	-0.130	.....	-0.105	-0.144	16 6	-0.141	+0.430	+0.339
8	Ei.	16.2 .....	.....	+0.558	.....	.....	16 6	-0.141	+0.444	+0.346
8	Y.	19.7—19.8	-0.107	.....	-0.098	-0.167	19 48	-0.125	+0.444	+0.346
8	Ei.	20.0 .....	.....	+0.568	.....	.....		
8	Br.	2.5—3.4	-0.130	+0.521	-0.086	-0.109	2 15—4 0	-0.136	+0.408	+0.332
8		4.4—4.8	-0.151	+0.501	-0.147	-0.095	5 5—5 10	-0.137	+0.417	+0.325
9		10.4—11.0	-0.157	+0.441	-0.119	-0.153	10 45—10 50	-0.166	+0.377	+0.251
9		12.6—13.1	-0.145	+0.447	-0.162	-0.164	13 25—15 35	-0.150	+0.400	+0.253
9		16.2—16.6	-0.140	+0.464	-0.116	-0.167				
9	Hl.	20.2—20.6	-0.130	+0.488	-0.114	-0.114	16 24	-0.142	+0.394	+0.261
9		1.7—2.8	-0.123	+0.498	-0.110	-0.132	20 24	-0.142	+0.394	+0.308
9		3.6—4.5	-0.148	+0.462	-0.147	-0.092	2 20—2 25	-0.129	+0.403	+0.307
9		4.7 .....	.....	+0.465	.....	.....	4 5—4 10	-0.133	+0.393	+0.296
							5 10—5 15	-0.133	+0.385	+0.287
12	Br.	2.7—3.1	-0.171	+0.388	-0.079	-0.094	2 25—2 30	-0.176	+0.308	+0.245
12		4.6—5.1	-0.164	+0.421	-0.107	-0.106	4 30—5 30	-0.164	+0.346	+0.261
13		13.1—13.5	-0.187	+0.344	-0.112	-0.108	13 18	-0.188	+0.303	+0.199
13		16.3—16.5	-0.187	+0.410	-0.100	-0.113	16 24	-0.188	+0.338	+0.250
13	Hl.	1.7—2.8	-0.156	+0.433	-0.089	-0.089	2 30—2 35	-0.167	+0.338	+0.276
13		4.2—4.8	-0.163	+0.405	-0.060	-0.118	5 25—5 35	-0.178	+0.314	+0.247
14	Y.	13.7—13.8	-0.202	.....	-0.109	-0.101	13 48	-0.188	+0.332	+0.236
14	Ei.	14.0 .....	.....	+0.386	.....	.....		
14	Y.	17.7—17.8	-0.187	.....	-0.102	-0.058	17 48	-0.188	+0.332	+0.292
14	Ei.	17.9 .....	.....	+0.427	.....	.....		
14	M.	4.6—5.0	-0.178	+0.406	-0.065	-0.096	5 30—5 35	-0.186	+0.311	+0.259
15		13.0—13.5	-0.178	+0.373	-0.082	-0.102	13 12	-0.183	+0.308	+0.228
15		16.3—16.4	-0.187	+0.402	-0.082	-0.067	16 18	-0.183	+0.308	+0.270
16	Br.	13.5—13.8	-0.200	+0.370	-0.093	-0.105	14 10—17 40	-0.204	+0.306	+0.224
16		16.8—17.1	-0.204	+0.365	-0.096	-0.097				
16	Hl.	3.1—3.3	-0.194	+0.373	-0.092	-0.074	2 40—2 45	-0.189	+0.302	+0.242
16		4.3—5.2	-0.209	+0.345	-0.107	-0.065				
17		13.0—13.6	-0.195	+0.347	-0.092	-0.119	13 18	-0.199	+0.304	+0.198
							16 30	-0.199	+0.304	+0.244
							16 30	-0.218	+0.294	+0.235
17	Ei.	16.3 .....	.....	+0.381	.....	.....		
17	Y.	16.6—16.7	-0.200	.....	-0.096	-0.082				
18		16.4—16.5	-0.241	.....	-0.108	-0.055				
18	Ei.	16.7 .....	.....	+0.353	.....	.....		
18	Y.	20.0—20.2	-0.206	.....	-0.082	-0.089	20 12	-0.218	+0.320	+0.260
18	Ei.	20.3 .....	.....	+0.405	.....	.....		
18	Br.	2.3—2.9	-0.231	+0.358	-0.068	-0.089	2 45—2 50	-0.236	+0.283	+0.226
18		4.9—5.6	-0.231	+0.344	-0.079	-0.090	5 20—5 55	-0.234	+0.279	+0.212

TABLE XXI.—*The Constants c , b , a , n , and m —Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1905		$^h \quad ^m$	s	s	s	s	$^h \quad ^m \quad ^s$	s	s	s
June 19	Br.	13. 7—13. 8	-0. 243	+0. 349	-0. 133	-0. 080	13 48	-0. 221	+0. 312	+0. 215
19	Ei.	15. 6 .....	.....	+0. 396	.....	.....	15 48	-0. 221	+0. 312	+0. 258
19	Y.	15. 9—16. 0	-0. 214	.....	-0. 084	-0. 080				
19	Hl.	18. 8—19. 3	-0. 206	+0. 398	-0. 086	-0. 071	19 0	-0. 195	+0. 318	+0. 263
19		21. 5—22. 1	-0. 191	+0. 426	-0. 076	-0. 063	21 48	-0. 195	+0. 318	+0. 290
21	Hl.	18. 4—18. 9	-0. 187	+0. 424	-0. 085	-0. 078	19 20—21 5	-0. 190	+0. 330	+0. 278
21		21. 4—21. 8	-0. 192	+0. 424	-0. 077	-0. 085				
21		3. 2—3. 8	-0. 146	+0. 475	-0. 059	-0. 081	2 55—3 0	-0. 152	+0. 349	+0. 321
21		4. 7—5. 4	-0. 157	+0. 423	-0. 060	-0. 111	6 0—6 5	-0. 171	+0. 324	+0. 264
25	M.	13. 6—13. 8	-0. 200	+0. 376	-0. 125	-0. 105	13 55—14 25	-0. 194	+0. 325	+0. 221
Instrument reversed to Clamp West. Micrometer removed to insert new threads. Collimation adjusted.										
Aug. 13	M.	22. 9—23. 3	-0. 330	+0. 018	-0. 156	-0. 155	23 35—2 0	-0. 344	+0. 120	-0. 082
13		2. 1—2. 3	-0. 374	-0. 010	-0. 162	-0. 106				
13		8. 4—8. 9	-0. 358	-0. 040	-0. 139	-0. 136	6 35—6 40	-0. 357	+0. 083	-0. 117
15	Hl.	20. 6—21. 2	-0. 371	-0. 100	-0. 173	-0. 126	20 54	-0. 361	+0. 066	-0. 162
15		0. 5—0. 9	-0. 370	-0. 055	-0. 142	-0. 117	0 42	-0. 361	+0. 066	-0. 120
15		7. 1—7. 4	-0. 358	-0. 056	-0. 168	-0. 133	11 45—6 50	-0. 348	+0. 088	-0. 130
16	M.	6. 3—6. 4	-0. 357	+0. 004	-0. 135	-0. 170	6 50—6 55	-0. 366	+0. 115	-0. 096
16		8. 9—9. 1	-0. 365	+0. 002	-0. 147	-0. 149	9 40—9 50	-0. 365	+0. 116	-0. 091
17		16. 9—17. 2	-0. 366	-0. 017	-0. 175	-0. 221	17 30—19 20	-0. 374	+0. 144	-0. 134
17		19. 5—19. 7	-0. 363	+0. 009	-0. 183	-0. 204				
17	Br.	21. 9—22. 9	-0. 387	+0. 019	-0. 207	-0. 181	22 10—0 10	-0. 392	+0. 173	-0. 104
17		0. 7—1. 0	-0. 411	+0. 025	-0. 218	-0. 195				
17		8. 8—9. 3	-0. 387	+0. 029	-0. 212	-0. 206				
18		16. 9—17. 1	-0. 418	-0. 046	-0. 208	-0. 188	17 0	-0. 402	+0. 129	-0. 155
18		19. 0—20. 2	-0. 397	+0. 024	-0. 243	-0. 229	20 0	-0. 402	+0. 202	-0. 126
18	Hl.	0. 4—1. 2	-0. 413	+0. 040	-0. 264	-0. 211	21 10—0 0	-0. 396	+0. 210	-0. 116
18		6. 6—7. 6	-0. 392	+0. 056	-0. 175	-0. 221	0 50—0 55	-0. 396	+0. 219	-0. 107
18		8. 7—9. 4	-0. 391	+0. 042	-0. 186	-0. 202	7 0—7 5	-0. 400	+0. 178	-0. 091
18		16. 6—16. 9	-0. 398	-0. 044	-0. 238	-0. 196	16 48	-0. 392	+0. 148	-0. 162
19		19. 8—20. 2	-0. 400	-0. 014	-0. 204	-0. 190	20 0	-0. 392	+0. 148	-0. 132
19	Br.	22. 3—22. 5	-0. 400	+0. 002	-0. 200	-0. 186	22 5—22 10	-0. 396	+0. 154	-0. 116
21	M.	16. 9—17. 2	-0. 347	-0. 106	-0. 197	-0. 164	17 30—19 35	-0. 342	+0. 082	-0. 184
21		19. 6—19. 8	-0. 342	-0. 082	-0. 173	-0. 184				
21	Br.	23. 8—0. 2	-0. 349	-0. 050	-0. 164	-0. 164	0 30—3 15	-0. 352	+0. 104	-0. 140
21		2. 8—3. 5	-0. 355	-0. 037	-0. 172	.....	7 15—7 20	-0. 357	+0. 093	-0. 149
21		7. 5—7. 7	-0. 358	-0. 066	-0. 180	-0. 151	10 0—10 10	-0. 364	+0. 057	-0. 182
21		9. 2—9. 6	-0. 352	-0. 094	-0. 138	-0. 183	17 36	-0. 332	+0. 042	-0. 185
22		17. 4—17. 7	-0. 339	-0. 130	-0. 164	-0. 143	20 30	-0. 332	+0. 084	-0. 185
22		20. 3—20. 6	-0. 331	-0. 084	-0. 175	-0. 178				
22	Hl.	4. 2—4. 6	-0. 364	-0. 103	-0. 178	-0. 137	4 0—4 5	-0. 354	+0. 065	-0. 171
22		7. 6—8. 0	-0. 349	-0. 101	-0. 125	-0. 170	7 20—7 25	-0. 364	+0. 052	-0. 166
22		9. 0—9. 6	-0. 364	-0. 076	-0. 132	-0. 147	10 5—10 10	-0. 368	+0. 059	-0. 150
23		17. 5—18. 2	-0. 342	-0. 117	-0. 168	-0. 156	18 45—21 5	-0. 344	+0. 048	-0. 184
23		21. 3—21. 6	-0. 356	-0. 119	-0. 161	-0. 128				
23	M.	1. 1—1. 3	-0. 362	-0. 114	-0. 171	-0. 115	22 5—1 0	-0. 348	+0. 046	-0. 172
23		9. 2—9. 4	-0. 362	-0. 110	-0. 144	-0. 079	10 10—10 15	-0. 351	+0. 025	-0. 147
25	Hl.	7. 9—8. 8	-0. 360	-0. 002	-0. 150	-0. 160	7 35—10 20	-0. 363	+0. 123	-0. 095
25		9. 5 .....	.....	+0. 014	.....	.....		
26		17. 5—18. 1	-0. 371	-0. 028	-0. 215	-0. 204				
26		21. 4—21. 7	-0. 352	+0. 013	-0. 158	-0. 173	17 48	-0. 362	+0. 141	-0. 151
							21 36	-0. 362	+0. 141	-0. 097

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1905		h h	s	s	s	s	h m h m	s	s	s
Aug. 28	Br.	0.5—0.8	−0.388	+0.039	−0.193	−0.180	1 5—3 15	−0.389	+0.175	−0.084
28		3.6—3.8	−0.401	+0.040	−0.206	−0.178				
28		9.5—9.9	−0.404	−0.005	−0.209	−0.194				
29		18.0—18.3	−0.388	−0.060	−0.199	−0.188	10 25—10 35	−0.400	+0.156	−0.128
29		20.8—21.1	−0.369	−0.024	−0.199	−0.208	18 35—20 45	−0.378	+0.129	−0.157
29	HI.	0.2—0.7	−0.388	−0.050	−0.209	−0.196	0 30	−0.385	+0.135	−0.164
29		3.3 .....	.....	−0.012	.....	.....	3 6	−0.385	+0.135	−0.131
29		5.1—5.4	−0.393	−0.013	−0.203	−0.171				
29		9.0—9.6	−0.382	−0.060	−0.202	−0.189	10 30—10 35	−0.379	+0.116	−0.167
30		17.5—18.3	−0.357	−0.093	−0.199	−0.173	18 40—22 10	−0.359	+0.088	−0.177
30		21.5—22.4	−0.366	−0.076	−0.170	−0.177				
31	Br.	0.5—0.9	−0.368	−0.017	−0.217	−0.212	1 5—3 25	−0.374	+0.158	−0.133
31		3.8—4.0	−0.389	0.000	−0.214	−0.185				
31		7.8—8.5	−0.383	−0.003	−0.240	−0.165	8 5—8 10	−0.368	+0.162	−0.123
31		9.7—10.2	−0.369	−0.002	−0.196	−0.212	10 35—10 45	−0.373	+0.155	−0.133
Sept. 4	HI.	20.8—21.3	−0.367	−0.028	−0.187	−0.173	21 40—23 0	−0.362	+0.126	−0.124
4		23.3—23.6	−0.366	−0.017	−0.181	−0.161				
5	HI.	17.1—17.6	−0.381	−0.023	−0.178	−0.152	16 30—16 35	−0.374	+0.118	−0.116
5	Bs.	20.5—20.7	−0.368	−0.004	−0.193	−0.198	19 10—20 5	−0.372	+0.134	−0.122
5	HI.	8.9—9.7	−0.349	+0.048	−0.183	−0.222	8 30—11 0	−0.359	+0.181	−0.097
6		10.2 .....	.....	+0.050	.....	.....		
6		18.2—18.8	−0.386	−0.030	−0.212	−0.199	17 30—17 35	−0.386	+0.143	−0.150
6		21.4—22.3	−0.390	+0.003	−0.201	−0.198	18 30	−0.386	+0.151	−0.150
							21 54	−0.386	+0.151	−0.123
							22 0—22 15	−0.386	+0.159	−0.123
6	Bs.	0.5—0.8	−0.381	+0.030	−0.209	−0.200	0 42	−0.388	+0.179	−0.104
6		4.1—4.4	−0.402	+0.043	−0.232	−0.218	4 18	−0.388	+0.205	−0.104
6		8.8—9.4	−0.385	+0.046	−0.225	−0.207	8 35—11 5	−0.380	+0.200	−0.096
6		10.8 .....	.....	+0.046	.....	.....		
7		18.0—18.3	−0.381	−0.014	−0.218	−0.239	18 30—21 30	−0.388	+0.168	−0.158
7		21.6—21.9	−0.390	−0.018	−0.236	−0.230	22 0—22 5	−0.390	+0.172	−0.155
							21 48	−0.390	+0.172	−0.158
7	HI.	1.2—1.7	−0.393	+0.009	−0.217	−0.211	1 30	−0.390	+0.172	−0.125
7		9.0—10.0	−0.381	+0.033	−0.183	−0.223	8 40—8 45	−0.391	+0.172	−0.109
8		18.4—18.7	−0.397	−0.028	−0.206	−0.212	19 30—22 35	−0.402	+0.150	−0.138
8		22.7—23.1	−0.403	+0.004	−0.196	−0.199				
8	Bs.	3.7—4.0	−0.403	+0.010	−0.190	−0.200	0 55—3 30	−0.405	+0.156	−0.120
8		9.0—9.2	−0.404	+0.006	−0.186	−0.170	8 45—8 50	−0.400	+0.144	−0.104
9		20.7—21.2	−0.400	−0.021	−0.202	−0.222	20 25—20 30	−0.405	+0.149	−0.153
9		23.4—23.6	−0.396	+0.005	−0.215	−0.206	21 25—23 25	−0.400	+0.158	−0.140
11	Bs.	9.2—9.9	−0.364	−0.012	−0.171	−0.223	0 0—11 25	−0.378	+0.137	−0.144
12		20.3—20.5	−0.387	−0.026	−0.228	−0.171	21 0—23 0	−0.388	+0.148	−0.148
12		23.3—23.5	−0.400	−0.027	−0.205	−0.225				
12	HI.	3.6—4.0	−0.413	−0.017	−0.227	−0.192	0 30—4 20	−0.404	+0.153	−0.148
12		9.4—10.2	−0.387	−0.021	−0.184	−0.212	9 5—11 30	−0.394	+0.136	−0.146
13	Bs.	23.2—23.4	−0.365	−0.037	−0.170	−0.223	23 18	−0.392	+0.134	−0.163
13		2.4—2.6	−0.409	−0.007	−0.203	−0.190	2 30	−0.392	+0.134	−0.126
13		4.9—5.2	−0.426	+0.003	−0.195	−0.157	3 5—4 35	−0.411	+0.147	−0.114
13		10.6—10.9	−0.407	+0.050	−0.177	−0.199	11 25—11 30	−0.413	+0.174	−0.084
14		18.8—19.0	−0.416	+0.029	−0.156	−0.212	18 54	−0.426	+0.152	−0.094
14		22.2—22.4	−0.422	+0.059	−0.209	−0.206	22 18	−0.426	+0.200	−0.094
14	HI.	23.9—1.5	−0.444	+0.084	−0.230	−0.186	0 20—4 45	−0.439	+0.206	−0.063
14		1.8 .....	.....	+0.059	.....	.....		
14		4.1—5.6	−0.458	+0.062	−0.216	−0.170				
14		9.6—10.2	−0.424	+0.082	−0.190	−0.228	9 10—11 35	−0.434	+0.208	−0.075
15		20.1—20.5	−0.423	+0.030	−0.224	−0.235	21 0—22 25	−0.426	+0.188	−0.124
15		22.7—23.0	−0.419	+0.024	−0.206	−0.232				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1905		h h	s	s	s	s	h m h m	s	s	s
Sept. 15	Bs.	0.9—1.1	−0.425	+0.021	−0.230	−0.244	1 0	−0.430	+0.200	−0.136
15		4.6—4.9	−0.433	+0.056	−0.222	−0.209	4 48	−0.430	+0.200	−0.090
15		9.5—10.0	−0.419	+0.043	−0.219	−0.202	9 15—11 40	−0.415	+0.193	−0.095
18	Hl.	19.4—19.9	−0.356	−0.065	−0.110	−0.119	20 30—23 25	−0.364	+0.048	−0.116
18		23.6—0.2	−0.395	−0.079	−0.154	−0.059				
18	Bs.	1.6—1.8	−0.365	−0.059	−0.109	−0.085	1 42	−0.358	+0.052	−0.102
18		4.6—4.8	−0.363	−0.023	−0.105	−0.083	4 42	−0.358	+0.052	−0.072
18		9.8—10.6	−0.355	−0.072	−0.111	−0.094	9 30—9 35	−0.351	+0.036	−0.117
19		19.7—19.9	−0.359	−0.124	−0.118	−0.073	20 15—22 5	−0.343	+0.014	−0.135
19		22.0—22.3	−0.341	−0.083	−0.099	−0.092				
20	Bs.	10.0—10.4	−0.331	−0.011	−0.120	−0.132	19 36	−0.351	+0.073	−0.151
21		19.5—19.7	−0.349	−0.064	−0.137	−0.167	22 12	−0.351	+0.104	−0.123
21		22.1—22.3	−0.335	−0.021	−0.140	−0.176				
21	Hl.	1.2—1.6	−0.363	−0.008	−0.173	−0.129	2 30—6 25	−0.366	+0.114	−0.091
21		5.2—5.6	−0.394	−0.017	−0.167	−0.114				
21		10.0—10.6	−0.369	+0.009	−0.138	−0.140				
22		19.2—19.6	−0.359	−0.098	−0.151	−0.172	19 24	−0.364	+0.070	−0.182
22		22.6—23.0	−0.355	−0.041	−0.126	−0.161	22 48	−0.364	+0.070	−0.130
22	Bs.	2.5—2.7	−0.343	−0.014	−0.132	−0.172	5 20—2 10	−0.360	+0.091	−0.122
22		6.8—7.0	−0.350	+0.001	−0.141	−0.152				
22		10.0—10.4	−0.362	−0.014	−0.163	−0.149				
24	Hl.	0.8—1.4	−0.397	+0.008	−0.159	−0.165	2 35—4 20	−0.408	+0.138	−0.096
24		4.7—5.3	−0.405	+0.030	−0.154	−0.193				
24	Bs.	8.9—9.6	−0.380	+0.066	−0.206	−0.215	9 12	−0.374	+0.195	−0.082
25		11.5—11.8	−0.354	+0.009	−0.222	−0.261	11 42	−0.374	+0.195	−0.154
25		19.7—20.0	−0.369	+0.002	−0.200	−0.237	12 5—12 10	−0.365	+0.187	−0.154
25		22.6—22.9	−0.371	+0.020	−0.194	−0.211	20 20—22 30	−0.377	+0.166	−0.129
25	Hl.	10.7—11.1	−0.418	+0.056	−0.178	−0.176	10 5—10 15	−0.417	+0.173	−0.067
26		19.7—20.5	−0.416	+0.031	−0.239	−0.169	21 0—23 35	−0.403	+0.199	−0.075
26		23.8—0.2	−0.398	+0.093	−0.182	−0.219				
26	Bs.	1.7—2.1	−0.410	+0.075	−0.181	−0.149	1 54	−0.412	+0.184	−0.039
26		4.9—5.2	−0.424	+0.110	−0.154	−0.147	5 6	−0.412	+0.184	−0.007
27		11.5—11.8	−0.432	+0.078	−0.139	−0.170	12 10—12 20	−0.441	+0.163	−0.043
27		20.8—21.0	−0.409	−0.008	−0.196	−0.187	21 25—23 10	−0.405	+0.159	−0.125
27		23.4—23.7	−0.393	+0.022	−0.195	−0.230				
27	Hl.	1.2—1.9	−0.410	−0.016	−0.200	−0.214	1 36	−0.404	+0.156	−0.146
27		5.3—5.9	−0.394	+0.017	−0.196	−0.197	5 36	−0.404	+0.156	−0.110
27		9.6—10.7	−0.396	+0.034	−0.216	−0.199	10 15—12 20	−0.392	+0.186	−0.101
28		18.8—19.3	−0.390	−0.085	−0.204	−0.233	19 6	−0.400	+0.114	−0.209
28		22.7—23.1	−0.404	−0.048	−0.190	−0.186	22 54	−0.400	+0.114	−0.155
28	Bs.	10.7—11.0	−0.382	−0.025	−0.233	−0.210	10 20—12 25	−0.376	+0.161	−0.154
29		20.0—20.3	−0.384	−0.087	−0.245	−0.199	20 12	−0.380	+0.128	−0.197
29		23.4—23.7	−0.388	−0.048	−0.207	−0.207	23 36	−0.380	+0.128	−0.167
29	Hl.	1.5—2.1	−0.362	−0.020	−0.184	−0.221	2 30—5 15	−0.388	+0.134	−0.147
29		5.4—5.9	−0.402	−0.027	−0.187	−0.199				
29		10.7—11.3	−0.365	−0.002	−0.170	−0.210	10 25—12 30	−0.376	+0.140	−0.129
30		20.4—22.3	−0.356	−0.073	−0.213	−0.222	21 18	−0.354	+0.130	−0.195
30		1.1—1.5	−0.346	−0.030	−0.198	−0.210	1 18	−0.354	+0.130	−0.154
Oct. 3	Bs.	1.0—1.4	−0.368	+0.038	−0.238	−0.268	1 55—4 25	−0.379	+0.214	−0.140
3		4.6—4.9	−0.377	+0.027	−0.243	−0.264				
3		11.1—11.5	−0.373	+0.056	−0.212	−0.246	10 40—12 45	−0.382	+0.208	−0.107
4		18.4—18.8	−0.381	−0.056	−0.234	−0.258	18 10—18 15	−0.387	+0.152	−0.202
4		20.3—20.6	−0.379	−0.036	−0.252	−0.254	20 30	−0.385	+0.168	−0.188
4		23.5—23.8	−0.381	−0.011	−0.210	−0.241	23 42	−0.385	+0.168	−0.158

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.				Adopted.		
			c	b	a _n	a _s					c	n	m
1905		h h	s	s	s	s	h m h m	■	s	■			
Oct. 4	Hl.	2.5—3.0	−0.390	+0.008	−0.194	−0.226	2 48	−0.388	+0.162	−0.120			
4		6.5—7.0	−0.369	+0.047	−0.205	−0.232	6 42	−0.388	+0.195	−0.120			
4		10.1—11.3	−0.355	+0.026	−0.185	−0.255	10 45—12 45	−0.374	+0.171	−0.138			
5		12.3 .....	.....	+0.010	.....	.....					
5		19.8—20.6	−0.365	−0.063	−0.227	−0.264	19 10—19 15	−0.375	+0.145	−0.211			
							20 12	−0.372	+0.155	−0.211			
5		23.4—0.1	−0.356	−0.025	−0.219	−0.265	23 42	−0.372	+0.155	−0.181			
5	Br.	3.4—3.9	−0.385	−0.004	−0.277	−0.238	4 15—6 20	−0.380	+0.204	−0.147			
5		6.6—6.8	−0.386	+0.021	−0.243	−0.246							
5		19.8—20.5	−0.408	−0.008	−0.267	−0.254	20 5—20 10	−0.405	+0.199	−0.167			
6		23.1—23.4	−0.413	+0.034	−0.253	−0.206	20 12	−0.402	+0.204	−0.167			
							23 18	−0.402	+0.204	−0.107			
6	Bs.	11.5—12.0	−0.401	+0.101	−0.190	−0.225	10 55—12 55	−0.410	+0.219	−0.060			
7		19.7—20.0	−0.401	+0.046	−0.225	−0.274	20 30—23 5	−0.410	+0.226	−0.128			
7		23.2—23.5	−0.399	+0.060	−0.249	−0.275							
8	Bs.	20.4—20.7	−0.403	+0.049	−0.232	−0.245	21 0—22 50	−0.408	+0.211	−0.120			
8		23.0—23.2	−0.406	+0.037	−0.232	−0.252							
8	Hl.	2.2—2.6	−0.409	+0.088	−0.247	−0.227	2 24	−0.418	+0.242	−0.067			
8		5.7—6.4	−0.422	+0.096	−0.176	−0.215	6 0	−0.418	+0.205	−0.067			
8		10.5 .....	.....	+0.113	.....	.....	11 5—13 0	−0.424	+0.205	−0.067			
8		11.4—12.1	−0.403	+0.083	−0.164	−0.240							
9		21.3—21.8	−0.385	−0.005	−0.253	−0.210	22 20—0 40	−0.382	+0.176	−0.143			
9		1.0—1.4	−0.387	−0.004	−0.215	−0.230							
9	Bs.	11.4—11.8	−0.379	+0.005	−0.221	−0.254	11 10—13 5	−0.388	+0.182	−0.152			
11	Bs.	2.6—2.9	−0.424	+0.098	−0.183	−0.182	3 35—6 5	−0.432	+0.206	−0.041			
11		6.3—6.6	−0.438	+0.099	−0.185	−0.193							
11		11.6—12.0	−0.451	+0.120	−0.180	−0.154	11 20—13 15	−0.444	+0.210	−0.006			
12		21.2—21.4	−0.420	+0.124	−0.161	−0.224	21 18	−0.430	+0.212	−0.038			
12		0.5—0.7	−0.410	+0.146	−0.137	−0.184	0 36	−0.430	+0.212	+0.003			
							0 36	−0.438	+0.210	+0.003			
12	Br.	4.6—4.9	−0.445	+0.163	−0.132	−0.161	4 48	−0.438	+0.210	+0.029			
12		11.7—12.0	−0.463	+0.122	−0.195	−0.259	11 20—11 25	−0.480	+0.237	−0.068			
12		12.9 .....	.....	+0.104	.....	.....	22 10—0 45	−0.438	+0.202	−0.098			
13		21.8—22.0	−0.431	+0.062	−0.193	−0.223	1 50—1 55	−0.437	+0.208	−0.107			
13		0.8—1.0	−0.447	+0.038	−0.248	−0.210							
13	Bs.	12.3—12.6	−0.461	+0.041	−0.199	−0.284	13 15—13 20	−0.484	+0.199	−0.138			
14		1.5—1.7	−0.404	+0.011	−0.207	−0.282	1 36	−0.432	+0.177	−0.161			
14		4.5—4.8	−0.427	+0.020	−0.188	−0.241	4 42	−0.432	+0.177	−0.129			
15	Hl.	2.8—3.6	−0.414	−0.016	−0.234	−0.229	4 5—6 5	−0.415	+0.166	−0.152			
15		6.4—6.9	−0.424	−0.018	−0.230	−0.201							
15		10.9—12.1	−0.404	+0.011	−0.198	−0.241	11 35—11 40	−0.416	+0.163	−0.147			
16		12.8 .....	.....	−0.011	.....	.....					
16	Br.	3.8—4.0	−0.397	−0.054	−0.248	−0.251	4 15—5 35	−0.398	+0.159	−0.200			
16		11.3 .....	.....	−0.034	.....	.....					
16		12.5—13.0	−0.412	−0.024	−0.261	−0.240	13 25—13 30	−0.407	+0.179	−0.176			
17		22.5—22.8	−0.426	−0.040	−0.292	−0.257	22 42	−0.410	+0.206	−0.195			
17		1.3—1.5	−0.409	+0.006	−0.281	−0.267	1 24	−0.410	+0.206	−0.164			
21	Bs.	20.3—20.6	−0.400	+0.098	−0.216	−0.203	20 30	−0.408	+0.222	−0.053			
21		23.6—23.8	−0.421	+0.113	−0.191	−0.184	23 42	−0.408	+0.222	−0.029			
21	Hl.	5.6—6.4	−0.444	+0.159	−0.168	−0.152	6 0	−0.435	+0.224	+0.027			
21		9.1—9.4	−0.414	+0.199	−0.107	−0.168	9 12	−0.435	+0.224	+0.055			
22	Hl.	5.5—6.0	−0.426	+0.151	−0.127	−0.165	4 55—5 15	−0.436	+0.203	+0.018			
22		10.4—10.9	−0.411	+0.168	−0.117	−0.144	9 45—9 50	−0.418	+0.202	+0.043			
22		12.4—12.8	−0.440	+0.146	−0.160	−0.115	12 10—12 15	−0.423	+0.204	+0.040			
23		21.3—21.8	−0.429	+0.114	−0.186	−0.164	22 10—0 15	−0.424	+0.198	−0.007			
23		0.5—0.9	−0.436	+0.107	−0.163	−0.121							

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1905		h h	°	°	s	s	h m h m	s	s	s
Oct. 27	Hl.	15.3—15.7	-0.419	+0.184	-0.124	-0.155	14 0—14 10	-0.428	+0.219	+0.048
27	Bs.	12.3—12.6	-0.409	+0.183	-0.162	-0.179	12 30—14 15	-0.413	+0.244	+0.032
28		22.6—22.8	-0.419	+0.120	-0.185	-0.174	23 20—1 45	-0.422	+0.216	-0.022
28		1.8—2.0	-0.432	+0.111	-0.190	-0.177				
29	Hl.	2.9—3.4	-0.429	+0.154	-0.171	-0.167	3 12	-0.438	+0.228	+0.026
29		6.9—7.3	-0.452	+0.146	-0.139	-0.119	7 6	-0.438	+0.195	+0.026
30		21.5—22.0	-0.432	+0.150	-0.156	-0.155	22 25—0 40	-0.425	+0.220	+0.032
30		0.9—1.3	-0.425	+0.168	-0.160	-0.133				
30	Br.	5.6—5.8	-0.436	+0.154	-0.130	-0.112	6 10—8 25	-0.436	+0.190	+0.058
30		8.6—8.8	-0.447	+0.162	-0.113	-0.090				
30		12.5 .....	.....	+0.165	.....	.....	12 45—14 25	-0.447	+0.180	+0.084
30		13.3—14.0	-0.466	+0.155	-0.141	-0.035				
31		22.2—22.4	-0.435	+0.121	-0.172	-0.142	22 35—0 45	-0.436	+0.200	+0.003
31		0.9—1.2	-0.445	+0.127	-0.154	-0.150				
Nov. 31	Bs.	12.7—13.5	-0.442	+0.164	-0.168	-0.119	12 50—14 30	-0.429	+0.223	+0.048
1		18.4—18.5	-0.435	+0.114	-0.212	-0.179	18 50—18 55	-0.426	+0.229	-0.027
1		22.5—23.4	-0.434	+0.120	-0.194	-0.168	22 54	-0.436	+0.221	-0.015
1		2.2—2.4	-0.444	+0.134	-0.137	-0.136	2 18	-0.436	+0.190	+0.019
1	Hl.	5.1—5.7	-0.432	+0.201	-0.073	-0.100	2 18	-0.442	+0.190	+0.019
1		13.2—13.6	.....	+0.210	-0.093	-0.057	5 24	-0.442	+0.190	+0.097
2		14.1—16.3	-0.444	+0.219	.....	.....	12 55—14 30	-0.434	+0.199	+0.127
2		18.3—18.7	-0.463	+0.182	-0.088	-0.073	19 45—19 50	-0.459	+0.179	+0.095
2		0.4—1.7	-0.447	+0.203	-0.085	-0.068	23 50—0 10	-0.443	+0.189	+0.113
2	Br.	6.0—6.2	-0.442	+0.213	-0.059	-0.066	6 30—8 45	-0.443	+0.186	+0.136
2		8.9—9.2	-0.445	+0.231	-0.063	-0.050				
2		13.2 .....	.....	+0.185	.....	.....	13 0—13 5	-0.446	+0.173	+0.129
2		13.6—14.2	-0.468	+0.187	-0.096	-0.011				
3	Bs.	6.8—7.1	-0.436	+0.209	-0.047	-0.069	7 15—8 50	-0.444	+0.177	+0.122
3		9.0—9.2	-0.445	+0.209	-0.063	-0.068				
3		13.3—13.7	-0.459	+0.184	-0.093	-0.032	13 5—13 10	-0.443	+0.174	+0.117
4							13 30	-0.444	+0.186	+0.117
4							15 48	-0.444	+0.186	+0.077
6	Bs.	22.4—22.7	-0.424	+0.076	-0.175	-0.172	23 15—0 5	-0.420	+0.182	-0.041
6		0.1—0.3	-0.425	+0.082	-0.175	-0.149				
6	Hl.	12.9—13.9	-0.427	+0.126	-0.141	-0.161	14 45—14 50	-0.430	+0.192	0.000
7		16.0—16.2	-0.429	.....	-0.153	-0.145				
7		0.4—1.0	-0.426	+0.126	-0.159	-0.133	0 0—0 5	-0.419	+0.198	+0.011
8	Bs.	23.0—23.2	-0.426	+0.150	-0.134	-0.153	23 50—2 25	-0.430	+0.214	+0.028
8		2.6—2.8	-0.432	+0.162	-0.163	-0.146				
8	Hl.	13.5—14.3	-0.426	+0.223	-0.106	-0.134	14 55—15 0	-0.433	+0.229	+0.093
■	Bs.	13.2—14.0	-0.445	+0.221	-0.086	-0.044	13 30—15 5	-0.434	+0.197	+0.139
10		23.4—23.6	-0.447	+0.207	-0.049	-0.054	0 5—2 25	-0.448	+0.176	+0.136
10		2.7—3.0	-0.429	+0.248	-0.015	-0.089				
10	Hl.	4.6—5.3	-0.438	+0.207	-0.032	-0.063	5 0	-0.446	+0.170	+0.124
10		9.1—9.7	-0.433	+0.255	-0.012	-0.060	9 24	-0.446	+0.170	+0.165
10		13.5—14.2	-0.429	+0.256	-0.002	-0.018	13 35—13 40	-0.433	+0.166	+0.190
11							14 0	-0.446	+0.158	+0.190
11		16.5—17.0	-0.448	+0.216	-0.009	-0.045	16 42	-0.446	+0.158	+0.143
11		3.3—3.5	-0.445	.....	-0.056	-0.041	3 10—6 10	-0.446	+0.146	+0.131
11		3.7 .....	.....	+0.190	.....	.....		
11		6.4—6.5	.....	.....	-0.004	-0.029				
12	Hl.	4.2 .....	.....	+0.130	.....	.....	4 0—7 50	-0.446	+0.170	+0.026
12		4.7—5.0	-0.441	.....	-0.111	-0.129				
12		8.0—8.4	-0.444	+0.131	-0.110	-0.115				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1905		h h	s	s	s	s	l m h m	s	s	s
Nov. 13	Br.	14.1—14.9	-0.454	+0.187	-0.070	-0.049	15 15—15 20	-0.459	+0.161	+0.104
14		22.1—22.5	-0.484	+0.185	-0.075	+0.005	22 18	-0.452	+0.159	+0.138
14		1.3—1.6	-0.444	+0.242	-0.014	-0.010	1 30	-0.452	+0.159	+0.181
14	Bs.	5.9—6.3	-0.442	+0.274	+0.055	+0.043	5 45—5 50	-0.445	+0.132	+0.242
14		9.2—9.5	-0.493	+0.273	+0.060	+0.114	6 6	-0.445	+0.122	+0.242
14		14.3—14.7	-0.475	+0.309	+0.080	+0.078	9 36	-0.479	+0.122	+0.278
16							13 55—15 25	-0.472	+0.132	+0.290
16	Br.	6.9—7.3	-0.483	+0.172	-0.060	-0.050	7 30—9 55	-0.474	+0.168	+0.107
16		10.2—10.5	-0.470	+0.201	-0.076	-0.069				
16		13.8—14.4	-0.473	+0.240	-0.089	.....	14 5—14 10	-0.473	+0.207	+0.114
16		14.9 .....	.....	+0.198	.....	.....	14 12	-0.462	+0.207	+0.126
17		16.6—17.3	-0.455	+0.205	-0.045	-0.035	16 54	-0.462	+0.162	+0.126
17		22.3—22.6	-0.451	+0.152	-0.089	-0.088	22 24	-0.454	+0.163	+0.061
17		1.5—1.7	-0.463	+0.164	-0.127	-0.104	1 36	-0.454	+0.197	+0.061
20	Br.	8.0—8.4	-0.464	+0.268	-0.014	-0.016	8 35—10 25	-0.471	+0.172	+0.204
20		10.6—10.8	-0.478	+0.263	+0.002	+0.007	11 15—11 20	-0.477	+0.163	+0.208
20		14.6—14.9	-0.484	+0.278	-0.004	.....	14 25—17 15	-0.478	+0.174	+0.224
20		15.5 .....	.....	+0.293	.....	.....		
21		17.1—17.9	-0.468	+0.286	+0.024	+0.005				
21		23.0—23.3	-0.488	+0.264	-0.027	+0.010	23 30—2 5	-0.478	+0.168	+0.204
21		2.2—2.4	-0.483	+0.252	-0.008	+0.013				
21	Bs.	6.3—6.6	-0.488	+0.268	-0.017	+0.020	7 5—8 40	-0.480	+0.163	+0.216
21		8.9—9.2	-0.486	+0.258	+0.005	+0.026				
21		12.4—12.8	-0.481	+0.267	+0.003	+0.024	12 10—14 35	-0.472	+0.167	+0.216
21		14.7—15.0	-0.476	+0.267	-0.016	+0.011				
22		17.5—17.8	-0.466	+0.254	-0.048	+0.008	17 15—17 20	-0.460	+0.180	+0.204
22		23.2—23.4	-0.464	+0.208	-0.026	-0.034	23 18	-0.463	+0.160	+0.141
22		2.5—2.7	-0.473	+0.226	-0.046	+0.001	2 36	-0.463	+0.160	+0.172
22	Hl.	5.8—6.3	-0.493	+0.208	-0.036	-0.009	6 6	-0.486	+0.152	+0.153
22		10.3—10.7	-0.479	+0.239	-0.038	-0.011	10 30	-0.486	+0.127	+0.195
22		13.7—14.2	-0.454	+0.274	+0.110	+0.007	13 5—13 10	-0.472	+0.129	+0.225
23		17.7—18.2	-0.488	+0.188	-0.025	-0.025	14 0	-0.480	+0.129	+0.225
23		23.6—0.3	-0.454	+0.186	-0.057	-0.062	17 54	-0.480	+0.137	+0.130
23		3.8—4.1	-0.455	+0.200	-0.032	-0.069	0 40—3 10	-0.460	+0.160	+0.112
23	Br.	7.7—8.0	-0.477	+0.186	-0.015	-0.029	7 48	-0.484	+0.131	+0.136
23		10.7—10.9	-0.499	+0.202	-0.060	-0.012	10 48	-0.484	+0.163	+0.136
23		14.9—15.6	-0.485	+0.174	-0.045	-0.047	15 55—16 0	-0.486	+0.145	+0.106
25	Bs.	1.5—1.8	-0.465	+0.092	-0.143	-0.148	2 20—4 0	-0.460	+0.179	-0.020
25		4.1—4.3	-0.458	+0.099	-0.166	-0.150				
26	Hl.	6.6—7.1	-0.452	+0.155	-0.101	-0.134	7 30—9 45	-0.455	+0.197	+0.052
26		9.9—10.2	-0.444	+0.187	-0.114	-0.135				
26		14.1—15.2	-0.460	+0.203	-0.079	-0.126	14 55—17 45	-0.462	+0.208	+0.084
27		17.5—18.1	-0.438	+0.215	-0.091	-0.140				
29	Bs.	0.6—0.9	-0.420	+0.123	-0.036	-0.072	1 10—3 45	-0.430	+0.122	+0.049
29		3.7—4.0	-0.431	+0.115	-0.075	-0.071				
30	Br.	15.0—15.6	-0.473	+0.337	+0.244	+0.234	15 15—16 30	-0.476	+0.026	+0.412
30		16.2 .....	.....	+0.343	.....	.....		
Dec. 1		22.0—22.4	-0.490	+0.277	+0.165	+0.157	21 15—0 55	-0.490	+0.041	+0.326
1		1.1 .....	.....	+0.298	.....	.....		
3	Hl.	14.1—14.8	-0.476	+0.241	+0.134	+0.106	15 30—16 45	-0.483	+0.054	+0.257
4		21.5—21.8	-0.475	+0.274	+0.167	+0.144	22 25—1 0	-0.480	+0.056	+0.321
4	Ei.	1.4 .....	.....	+0.323	.....	.....	1 36	-0.488	+0.066	+0.336
4	Y.	1.7—1.8	-0.458	.....	+0.197	+0.122				
4		4.6—4.7	-0.478	.....	+0.235	+0.163	4 48	-0.488	+0.015	+0.336
4	Ei.	4.9 .....	.....	+0.290	.....	.....		

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1905		<i>h h</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>h m h m</i>	<i>s</i>	<i>s</i>	<i>h</i>
Dec. 4	Br.	8.4—8.8	−0.469	+0.286	+0.260	+0.217	9 5—11 15	−0.486	−0.016	+0.354
4		11.4—11.6	−0.488	+0.259	+0.240	+0.226				
4		15.4—15.9	−0.486	+0.267	+0.273	+0.199	15 35—16 50	−0.506	−0.028	+0.341
5		0.8—1.0	−0.492	+0.232	+0.207	+0.184	0 30—0 35	−0.491	−0.017	+0.310
5	Ei.	1.4 .....	.....	+0.265	.....	.....	2 10—4 45	−0.498	−0.017	+0.310
5	Y.	1.7—1.9	−0.477	.....	+0.232	+0.204				
5		4.8—4.9	−0.486	.....	+0.258	+0.164				
5	Ei.	5.0 .....	.....	+0.232	.....	.....		
5	Bs.	7.9—8.2	−0.492	+0.230	+0.184	+0.193	8 6	−0.491	0.000	+0.298
5		11.5—11.8	−0.494	+0.224	+0.241	+0.248	11 42	−0.491	−0.048	+0.329
5		15.4—15.9	−0.474	+0.290	+0.287	+0.284	15 36	−0.480	−0.032	+0.405
5		18.3—18.7	−0.490	+0.271	+0.242	+0.257	18 30	−0.480	−0.032	+0.371
6		22.3—22.6	−0.486	+0.226	+0.223	+0.192	23 0—0 50	−0.488	−0.017	+0.290
6		1.0 .....	.....	+0.219	.....	.....	1 20—1 25	−0.484	+0.008	+0.282
6	Ei.	1.5 .....	.....	+0.244	.....	.....	2 20—4 50	−0.484	+0.008	+0.282
6	Y.	1.8—1.9	−0.477	.....	+0.167	+0.146				
6		5.0—5.1	−0.472	.....	+0.215	+0.159				
6	Ei.	5.2 .....	.....	+0.225	.....	.....		
6	Hl.	7.0—7.3	−0.461	+0.252	+0.227	+0.184	7 30—9 50	−0.479	−0.021	+0.304
6		10.1—10.9	−0.483	+0.208	+0.212	+0.204				
6		14.3—15.0	−0.461	+0.248	+0.245	+0.198	15 45—16 55	−0.474	−0.029	+0.318
6		16.5 .....	.....	+0.239	.....	.....		
6		18.3—18.8	−0.468	+0.203	+0.153	+0.149	18 0—18 5	−0.469	+0.010	+0.252
7		21.7—22.2	−0.467	+0.206	+0.139	+0.122	22 0	−0.476	+0.026	+0.239
7	Ei.	1.8 .....	.....	+0.195	.....	.....	2 6	−0.476	+0.059	+0.207
7	Y.	2.2—2.4	−0.483	.....	+0.079	+0.089	2 5—2 10	−0.476	+0.059	+0.207
7		5.1—5.2	−0.471	.....	+0.104	+0.091	2 30—5 0	−0.477	+0.054	+0.212
7	Ei.	5.4 .....	.....	+0.204	.....	.....		
7	Br.	8.5—8.8	−0.493	+0.171	+0.059	+0.138	9 0—11 25	−0.480	+0.048	+0.198
7		11.6—11.8	−0.482	+0.183	+0.087	+0.067				
7		15.6—16.1	−0.516	+0.158	+0.102	+0.077	15 50—17 5	−0.522	+0.023	+0.172
7		16.7 .....	.....	+0.151	.....	.....		
10	Hl.	23.4—23.9	−0.476	+0.198	+0.033	+0.042	23 42	−0.476	+0.091	+0.180
10		4.0—4.9	−0.479	+0.219	+0.065	+0.072	4 18	−0.476	+0.091	+0.215
10		14.8—15.5	−0.482	+0.229	+0.142	+0.107	16 5—17 15	−0.492	+0.042	+0.248
11		21.9—0.3	−0.468	+0.216	+0.112	+0.078	23 6	−0.481	+0.056	+0.208
11		2.1—2.5	−0.485	+0.206	+0.051	+0.056	2 18	−0.481	+0.088	+0.208
11		4.6—4.9	−0.492	+0.197	+0.035	+0.070	3 0—4 15	−0.481	+0.089	+0.194
11	Br.	8.5—8.7	−0.491	+0.194	+0.047	+0.072	5 25—8 15	−0.484	+0.084	+0.194
11		15.8—16.3	−0.497	+0.212	+0.081	+0.111	16 10—17 20	−0.489	+0.063	+0.231
12		2.0—2.3	−0.466	+0.193	+0.029	+0.001	2 25—6 25	−0.474	+0.106	+0.151
12		4.8—5.0	−0.466	+0.191	+0.025	−0.005				
12	Bs.	15.7—16.0	−0.467	+0.190	+0.011	+0.009	16 15—17 25	−0.468	+0.115	+0.158
12		17.0 .....	.....	+0.205	.....	.....		
13		22.3—22.6	−0.476	+0.168	−0.022	−0.003	23 0—1 45	−0.473	+0.132	+0.122
13	Ei.	1.9 .....	.....	+0.191	.....	.....	2 6	−0.482	+0.146	+0.125
13	Y.	2.1—2.3	−0.466	.....	−0.024	−0.058				
13		5.4—5.5	−0.496	.....	−0.022	+0.008	5 30	−0.482	+0.116	+0.125
13	Ei.	5.6 .....	.....	+0.169	.....	.....		
13	Hl.	8.0—8.5	−0.477	+0.190	+0.020	+0.007	0 35—7 40	−0.484	+0.111	+0.144
14		22.5—22.9	−0.462	+0.228	+0.025	+0.012				
14		2.1—2.5	−0.468	+0.226	+0.031	+0.033	0 25—1 50	−0.466	+0.122	+0.192
16	Hl.	7.3—7.9	−0.493	+0.293	+0.195	+0.188	9 10—11 35	−0.489	+0.034	+0.351
16		11.8—12.1	−0.484	+0.297	+0.193	+0.198				
17	Bs.	16.2—16.5	−0.487	+0.295	+0.217	+0.259	16 40—17 45	−0.476	+0.007	+0.387
18		22.9—23.1	−0.477	+0.305	+0.186	+0.175	23 30—1 50	−0.482	+0.049	+0.344

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1905		h h	s	s	s	■	h m h m	s	s	s
Dec. 18	Ei.	2.1 ----	-----	+0.296	-----	-----				
18	Y.	2.4—2.5	-0.482	-----	+0.178	+0.173				
18	Hi.	11.5—12.4	-0.484	+0.267	+0.219	+0.174	11 50—11 55	-0.496	+0.008	+0.321
19		23.5—0.6	-0.477	+0.262	+0.163	+0.152	0 10—2 5	-0.486	+0.040	+0.305
19	Ei.	2.3 ----	-----	+0.263	-----	-----				
19	Y.	2.5—2.6	-0.495	-----	+0.155	+0.168				
19	Bs.	9.2—9.5	-0.485	+0.232	+0.142	+0.145	10 0—11 50	-0.484	+0.038	+0.285
19		12.2—12.5	-0.487	+0.258	+0.151	+0.158				
21	Hi.	22.8—23.3	-0.454	+0.236	+0.157	+0.112	23 35—1 40	-0.470	+0.026	+0.253
21	Y.	2.2—2.3	-0.475	-----	+0.145	+0.144				
21	Ei.	2.4 ----	-----	+0.203	-----	-----				
21	Bs.	9.4—9.6	-0.467	+0.214	+0.145	+0.112	10 0—14 45	-0.474	+0.022	+0.246
21		12.7—13.0	-0.470	+0.207	+0.155	+0.142				
21		14.4 ----	-----	+0.213	-----	-----				
21		16.5—16.7	-0.470	+0.227	+0.132	+0.153	17 0—18 5	-0.465	+0.036	+0.269
22		23.4—23.7	-0.474	+0.204	+0.095	+0.084	0 0—1 0	-0.480	+0.064	+0.211
22		1.2—1.4	-0.483	+0.207	+0.073	+0.077				
23	Y.	2.2—2.3	-0.462	-----	+0.074	+0.073				
23	Ei.	2.5 ----	-----	+0.210	-----	-----	2 50—5 25	-0.460	+0.064	+0.220
23	Y.	5.5—5.7	-0.446	-----	+0.122	+0.083				
23	Ei.	5.8 ----	-----	+0.225	-----	-----				
25	Hi.	16.0—16.5	-0.480	+0.254	+0.257	+0.212	16 55—18 20	-0.492	-0.030	+0.335
26		22.7—23.3	-0.488	+0.234	+0.192	+0.201	23 45—1 50	-0.483	+0.006	+0.308
26	Ei.	2.4 ----	-----	+0.269	-----	-----				
26	Y.	2.6—2.8	-0.462	-----	+0.215	+0.147	3 5—5 35	-0.482	+0.008	+0.307
26	Ei.	5.7 ----	-----	+0.247	-----	-----				
26	Y.	5.9—6.1	-0.474	-----	+0.212	+0.173	6 20—8 45	-0.490	-0.011	+0.297
26	Y.	8.9—9.0	-0.479	-----	+0.233	+0.164				
26	Ei.	9.1 ----	-----	+0.230	-----	-----				
26	Br.	12.6—12.8	-0.474	+0.214	+0.207	+0.189	9 55—12 25	-0.488	-0.022	+0.288
27		0.3—0.5	-0.470	+0.207	+0.167	+0.141	0 35—3 0	-0.472	+0.006	+0.262
27		3.2—3.4	-0.452	+0.229	+0.194	+0.138				
27	Hi.	8.4—8.9	-0.469	+0.205	+0.179	+0.150	9 35—11 40	-0.482	0.000	+0.268
27		11.9—12.3	-0.489	+0.217	+0.169	+0.177				
27		16.5—17.1	-0.475	+0.216	+0.240	+0.190	17 35—18 30	-0.488	-0.040	+0.293
28	Br.	17.6—18.2	-0.476	+0.148	+0.163	+0.133	18 30—18 35	-0.484	-0.027	+0.202
29		23.9—0.5	-0.486	+0.114	+0.079	+0.109	0 45—3 0	-0.478	+0.010	+0.156
29		3.1—3.3	-0.474	+0.138	+0.096	+0.080				
29	Hi.	8.8—9.3	-0.474	+0.165	+0.095	+0.076	9 40—13 0	-0.480	+0.035	+0.182
29		12.4—13.2	-0.465	+0.183	+0.118	+0.057				
29		16.8—17.5	-0.451	+0.186	+0.150	+0.057	17 0—18 40	-0.476	+0.021	+0.191
30		23.1—23.4	-0.458	+0.187	+0.147	+0.062	22 35—1 45	-0.484	+0.026	+0.200
30		1.9—2.2	-0.474	+0.194	+0.133	+0.081				
1906.										
Jan. 1	Hi.	0.5—1.1	-0.479	+0.223	+0.214	+0.151	0 15—3 0	-0.500	-0.018	+0.265
1		3.3—3.7	-0.487	+0.203	+0.212	+0.144				
1	Br.	10.4—10.7	-0.498	+0.191	+0.208	+0.175	10 30	-0.501	-0.035	+0.263
1		13.4—13.6	-0.488	+0.259	+0.208	+0.181	13 30	-0.501	+0.007	+0.318
1		16.9—17.6	-0.489	+0.254	+0.206	+0.170				
1		18.4 ----	-----	+0.251	-----	-----	18 45—18 55	-0.499	+0.007	+0.307
2		0.2—0.5	-0.483	+0.234	+0.196	+0.160	0 35—1 5	-0.496	+0.004	+0.283
2		2.5—2.7	-0.499	+0.223	+0.172	+0.170				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1906		h h	s	s	s	s	h m h m	s	s	s
Jan. 4	Br.	17.1—17.9	−0.471	+0.214	+0.113	+0.131	18 20—19 5	−0.466	+0.042	+0.247
4		18.7 .....	.....	+0.212	.....	.....		
5		23.9—0.4	−0.451	+0.226	+0.087	+0.107	0 10—3 0	−0.457	+0.068	+0.234
5	Ei.	3.2 .....	.....	+0.226	.....	.....	3 20—3 25	−0.457	+0.068	+0.234
5	Y.	3.5—3.6	−0.459	.....	+0.106	+0.074	4 10—7 25	−0.464	+0.057	+0.234
5	Ei.	6.7 .....	.....	+0.230	.....	.....		
5	Y.	7.0—7.1	−0.448	.....	+0.135	+0.096				
5	Hl.	11.8—12.5	−0.490	+0.184	+0.121	+0.136	12 55—13 40	−0.486	+0.018	+0.226
5		16.9—17.8	−0.479	+0.220	+0.151	+0.167	17 25—19 10	−0.475	+0.017	+0.274
6		23.6—0.0	−0.459	+0.226	+0.137	+0.112	0 30—3 0	−0.466	+0.049	+0.254
6	Ei.	3.5 .....	.....	+0.248	.....	.....		
6	Y.	3.7—3.9	−0.456	.....	+0.139	+0.102	4 15—6 40	−0.466	+0.054	+0.258
6	Ei.	6.8 .....	.....	+0.247	.....	.....		
6	Y.	7.0—7.1	−0.453	.....	+0.145	+0.093	7 20—9 45	−0.471	+0.040	+0.251
6	Y.	9.8—9.9	−0.461	.....	+0.158	+0.105				
6	Ei.	10.1 .....	.....	+0.223	.....	.....		
8	Br.	18.1—18.2	−0.501	.....	+0.321	+0.339	19 15—19 25	−0.496	−0.075	+0.433
8		19.0 .....	.....	+0.285	.....	.....		
9		1.0—1.7	−0.499	+0.279	+0.331	+0.293	1 25—4 0	−0.504	−0.068	+0.412
9	Ei.	4.4 .....	.....	+0.309	.....	.....	5 0—7 40	−0.498	−0.068	+0.420
9	Y.	4.6—4.7	−0.474	.....	+0.355	+0.267				
9	Y.	7.5—7.8	−0.483	.....	+0.352	+0.291				
9	Ei.	8.0 .....	.....	+0.300	.....	.....		
9	Bs.	18.0—18.5	−0.497	+0.302	+0.424	+0.360	17 45—19 30	−0.514	−0.126	+0.468
10		1.9—2.2	−0.490	+0.260	+0.383	+0.342	2 6	−0.496	−0.126	+0.423
10	Ei.	4.0 .....	.....	+0.285	.....	.....	4 12	−0.496	−0.081	+0.423
10	Y.	4.3—4.4	−0.487	.....	+0.341	+0.320	4 40—10 15	−0.494	−0.092	+0.421
10	Ei.	7.2 .....	.....	+0.271	.....	.....		
10	Y.	7.4—7.5	−0.488	.....	+0.360	+0.315				
10	Y.	10.4—10.6	−0.477	.....	+0.364	+0.317				
10	Ei.	10.7 .....	.....	+0.283	.....	.....		
12	Hl.	10.0—10.4	−0.481	+0.197	+0.225	+0.207	9 45—13 30	−0.493	−0.054	+0.290
12		13.9—14.4	−0.512	+0.179	+0.212	+0.257				
16	Br.	1.1—1.6	−0.462	+0.201	+0.199	+0.169	1 24	−0.470	−0.022	+0.272
16	Ei.	4.0 .....	.....	+0.225	.....	.....	4 12	−0.470	+0.014	+0.272
16	Y.	4.3—4.4	−0.470	.....	+0.163	+0.166				
16	Bs.	11.3—11.6	−0.469	+0.225	+0.157	+0.176	12 5—14 0	−0.465	+0.011	+0.282
16		14.2—14.5	−0.464	+0.226	+0.176	+0.169				
16		18.5—19.5	−0.481	+0.236	+0.172	+0.202	19 50—20 0	−0.473	+0.008	+0.307
18	Hl.	0.8—1.2	−0.477	+0.210	+0.104	+0.179	2 10—3 35	−0.462	+0.037	+0.270
18	Ei.	4.1 .....	.....	+0.238	.....	.....	4 45—7 25	−0.467	+0.040	+0.270
18	Y.	4.3—4.4	−0.468	.....	+0.140	+0.141	8 10—9 10	−0.467	+0.034	+0.270
18	Ei.	7.5 .....	.....	+0.244	.....	.....		
18	Y.	7.8—7.9	−0.459	.....	+0.148	+0.145				
18		9.6—9.7	−0.475	.....	+0.137	+0.148				
18	Ei.	9.8 .....	.....	+0.216	.....	.....		
18	Br.	11.7—12.0	−0.468	+0.208	+0.135	+0.143	12 10—15 20	−0.468	+0.026	+0.250
18		14.7—14.9	−0.470	+0.210	+0.134	+0.138				
18		18.5—18.9	−0.472	+0.202	+0.116	+0.144	18 40—20 5	−0.465	+0.035	+0.250
18		19.7 .....	.....	+0.216	.....	.....		
24	Bs.	1.9—2.1	−0.458	+0.178	+0.133	+0.139	2 0	−0.456	+0.010	+0.225

TABLE XXI.—*The Constants, c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
		h h	s	s	s	s	h m h m	s	s	s
1906										
Jan. 24	Ei.	4.8 .....	.....	+0.216	.....	.....	5 0	-0.456	+0.010	+0.262
24	Y.	5.2—5.3	-0.452	.....	+0.167	+0.146	5 0	-0.456	+0.007	+0.262
24	Ei.	8.0 .....	.....	+0.245	.....	.....	8 12	-0.456	+0.007	+0.305
24	Y.	8.3—8.4	-0.448	.....	+0.202	+0.179	8 30—11 0	-0.460	-0.005	+0.306
24	Y.	11.0—11.1	-0.455	.....	+0.225	+0.181	.....	.....	.....	.....
24	Ei.	11.2 .....	.....	+0.244	.....	.....	.....	.....	.....	.....
24	Hi.	15.1—15.6	-0.451	+0.268	+0.221	+0.212	11 6	-0.460	-0.006	+0.307
24		18.7—19.4	-0.449	+0.293	+0.299	+0.221	15 24	-0.460	-0.006	+0.343
							20 25—20 30	-0.463	-0.027	+0.380
28	Bs.	12.0—12.3	-0.482	+0.286	+0.252	+0.278	12 45—15 5	-0.474	-0.028	+0.396
28		15.2—15.5	-0.470	+0.292	+0.286	+0.270	.....	.....	.....	.....
28		19.2—19.5	-0.486	+0.273	+0.276	+0.316	19 40—20 50	-0.475	-0.052	+0.407
29		1.9—2.2	-0.466	+0.283	+0.208	+0.248	2 30—4 15	-0.454	+0.008	+0.384
29	Ei.	4.5 .....	.....	+0.306	.....	.....	.....	.....	.....	.....
29	Y.	4.7—4.9	-0.458	.....	+0.231	+0.254	5 10—7 40	-0.455	0.000	+0.404
29	Ei.	7.8 .....	.....	+0.317	.....	.....	8 30—10 45	-0.460	-0.020	+0.411
29	Y.	8.1—8.2	-0.458	.....	+0.266	+0.267	.....	.....	.....	.....
29	Y.	10.9—11.0	-0.456	.....	+0.294	+0.270	.....	.....	.....	.....
29	Ei.	11.2 .....	.....	+0.303	.....	.....	.....	.....	.....	.....
29	Br.	11.9 .....	.....	+0.294	.....	.....	12 20—14 50	-0.464	-0.049	+0.417
29		15.1—15.3	-0.468	+0.297	+0.309	+0.319	.....	.....	.....	.....
29		19.7—20.5	-0.482	+0.288	+0.278	+0.304	20 45—20 55	-0.475	-0.041	+0.413
30		1.9—2.2	-0.445	+0.302	+0.228	+0.228	1 30—4 45	-0.454	+0.018	+0.363
30		4.8—5.0	-0.458	+0.289	+0.208	+0.193	.....	.....	.....	.....
30	Ei.	5.7 .....	.....	+0.299	.....	.....	6 0—8 40	-0.457	+0.014	+0.361
30	Y.	6.3—6.4	-0.449	.....	+0.217	+0.203	.....	.....	.....	.....
30	Ei.	8.7 .....	.....	+0.289	.....	.....	9 25—10 55	-0.464	0.000	+0.361
30	Y.	8.9—9.1	-0.456	.....	+0.232	+0.212	.....	.....	.....	.....
30	Y.	11.3—11.4	-0.461	.....	+0.244	+0.219	.....	.....	.....	.....
30	Ei.	11.5 .....	.....	+0.284	.....	.....	.....	.....	.....	.....
31	Bs.	2.5—2.9	-0.467	+0.258	+0.215	+0.225	2 15—5 30	-0.464	+0.002	+0.349
31		5.6—6.0	-0.471	+0.277	+0.201	+0.230	.....	.....	.....	.....
31	Hi.	11.7—12.6	-0.439	+0.325	+0.244	+0.230	12 12	-0.452	+0.018	+0.398
31		15.4—15.8	-0.451	+0.311	+0.276	+0.240	15 36	-0.452	-0.012	+0.398
31		19.2—19.7	-0.470	+0.320	+0.289	+0.266	20 55—21 0	-0.476	-0.019	+0.419
Feb. 1	Br.	20.0—20.5	-0.502	+0.246	+0.314	+0.409	21 0—21 5	-0.476	-0.111	+0.439
2		3.1—3.4	-0.509	+0.274	+0.373	+0.440	3 40—5 0	-0.490	-0.141	+0.486
2		5.3—5.5	-0.490	+0.287	+0.420	+0.429	.....	.....	.....	.....
3	Hi.	2.6—3.3	-0.521	+0.315	+0.499	+0.528	3 0	-0.514	-0.204	+0.574
3		5.9—6.8	-0.511	+0.353	+0.557	+0.551	6 24	-0.514	-0.204	+0.621
4		5.8—6.3	-0.496	+0.316	+0.453	+0.452	5 35—8 25	-0.496	-0.148	+0.524
4		8.7—9.1	-0.493	+0.315	+0.442	+0.429	.....	.....	.....	.....
5	Bs.	4.9—5.1	-0.486	+0.296	+0.414	+0.397	5 40—8 10	-0.500	-0.142	+0.481
5		8.4—8.6	-0.525	+0.265	+0.391	+0.445	.....	.....	.....	.....
7	Bs.	3.5—3.8	-0.509	+0.321	+0.499	+0.470	3 42	-0.510	-0.180	+0.550
7	Ei.	6.6 .....	.....	+0.339	.....	.....	6 48	-0.510	-0.132	+0.550
7	Y.	6.9—7.1	-0.512	.....	+0.430	+0.459	7 15—9 15	-0.509	-0.145	+0.562
7	Y.	9.7—9.8	-0.509	.....	+0.490	+0.475	.....	.....	.....	.....
7	Ei.	10.0 .....	.....	+0.350	.....	.....	.....	.....	.....	.....
8	Br.	20.4—21.2	-0.496	+0.350	+0.419	+0.423	21 25—21 35	-0.495	-0.108	+0.537
9		3.6—3.8	-0.518	+0.308	+0.350	+0.377	4 5—6 50	-0.504	-0.076	+0.480
9		7.1—7.3	-0.505	+0.328	+0.341	+0.371	.....	.....	.....	.....

TABLE XXI.—*The Constants c , b , a , n , and m —Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1906		h h	s	s	s	s	h m h m	s	s	s
Feb. 9	Hi.	10.7—11.4	-0.499	+0.351	+0.388	+0.359	10 20—14 10	-0.508	-0.082	+0.507
9		14.4—15.2	-0.507	+0.344	+0.399	+0.383				
9		20.4—21.2	-0.509	+0.364	+0.366	+0.390	21 30—21 40	-0.503	-0.062	+0.525
10		4.2—4.6	-0.505	+0.335	+0.400	+0.367	4 24	-0.510	-0.094	+0.500
10		7.7—8.0	-0.509	+9.349	+0.366	+0.374	7 54	-0.510	-0.068	+0.500
12	Br.	20.6—21.4	-0.488	+0.372	+0.312	+0.354	21 40—21 50	-0.477	-0.018	+0.507
13		4.3—4.6	-0.504	+0.316	+0.247	+0.274	4 45—6 5	-0.489	+0.009	+0.418
13	Ei.	6.6 .....	.....	+0.340	.....	.....	7 15—9 30	-0.488	+0.018	+0.414
13	Y.	6.8—6.9	-0.480	.....	+0.253	+0.251				
13	Ei.	9.6 .....	.....	+0.322	.....	.....		
13	Y.	9.8—10.0	-0.499	.....	+0.231	+0.248				
13	Bs.	20.5—21.5	-0.496	+0.314	+0.289	+0.283	21 45—21 55	-0.498	-0.027	+0.423
14	Hi.	19.9—21.0	-0.493	+0.306	+0.367	+0.356	21 50—21 55	-0.496	-0.014	+0.401
15		4.1—4.4	-0.506	+0.325	+0.356	+0.402	4 55—7 20	-0.500	-0.098	+0.500
15		7.7—8.1	-0.506	+0.317	+0.403	+0.406				
15	Br.	20.9—21.5	-0.502	+0.326	+0.540	+0.458	21 55—22 0	-0.517	-0.193	+0.555
16		4.6—4.9	-0.505	+0.329	+0.389	+0.390	5 0—7 50	-0.504	-0.099	+0.504
16		8.1—8.3	-0.507	+0.327	+0.389	+0.408				
16	Hi.	12.2—12.7	-0.506	+0.324	+0.455	+0.443	13 5—17 0	-0.506	-0.136	+0.544
16		16.1—17.2	-0.499	+0.359	+0.456	+0.438				
16		20.8—21.6	-0.503	+0.315	+0.524	+0.439	22 0—22 5	-0.518	-0.187	+0.536
17		5.5—6.3	-0.491	+0.349	+0.381	+0.390	6 0—9 15	-0.496	-0.092	+0.510
17		9.5—9.9	-0.512	+0.318	+0.380	+0.415				
18	Bs.	20.8—21.8	-0.467	+0.369	+0.349	+0.357	22 5—22 15	-0.465	-0.042	+0.511
19		5.1—5.4	-0.465	+0.321	+0.284	+0.255	5 45—8 15	-0.477	-0.010	+0.401
19		8.4—8.7	-0.477	+0.303	+0.259	+0.238				
19	Br.	13.8—14.1	-0.496	+0.298	+0.240	+0.257	14 10—16 10	-0.489	-0.004	+0.402
19		16.5—16.7	-0.491	+0.314	+0.252	+0.272				
19		21.2—21.7	-0.501	+0.292	+0.245	+0.334	22 10—22 15	-0.478	-0.028	+0.428
20		5.3—5.6	-0.497	+0.276	+0.196	+0.251	5 24	-0.482	+0.014	+0.367
20		8.4—8.6	-0.483	+0.265	+0.188	+0.197	8 30	-0.482	+0.014	+0.329
22	Hi.	6.3—7.4	-0.484	+0.283	+0.243	+0.212	6 0—9 30	-0.488	+0.004	+0.353
22		9.9—10.5	-0.484	+0.278	+0.206	+0.214				
22	Bs.	13.6—13.9	-0.485	+0.274	+0.207	+0.238	14 20—16 15	-0.484	-0.002	+0.362
22		16.5—16.8	-0.498	+0.271	+0.224	+0.251				
22		21.0—22.0	-0.487	+0.301	+0.232	+0.277	22 20—22 30	-0.475	-0.001	+0.404
23		4.6—4.9	-0.505	+0.251	+0.195	+0.227	4 48	-0.492	-0.001	+0.340
23	Ei.	7.1 .....	.....	+0.296	.....	.....	7 12	-0.492	+0.046	+0.340
23	Y.	7.3—7.4	-0.490	.....	+0.178	+0.184	7 35—10 20	-0.492	+0.034	+0.342
23		10.7—10.8	-0.496	.....	+0.198	+0.193				
23	Ei.	11.0 .....	.....	+0.276	.....	.....		
23	Hi.	13.0—13.5	-0.494	+0.290	+0.206	+0.249	14 5—16 10	-0.492	+0.004	+0.370
23		16.5—16.9	-0.493	+0.287	+0.247	+0.215				
23		21.0—22.0	-0.502	+0.274	+0.255	+0.287	22 25—22 30	-0.493	-0.033	+0.390
24		4.4—4.8	-0.466	+0.272	+0.135	+0.157	5 15—7 40	-0.460	+0.053	+0.312
24	Y.	8.3—8.6	-0.461	+0.275	+0.163	+0.164	9 0—11 15	-0.462	+0.033	+0.310
24		11.5—11.7	-0.464	+0.248	+0.172	+0.176				
25	Bs.	21.3—22.2	-0.458	+0.255	+0.176	+0.188	22 30—22 40	-0.455	+0.020	+0.315
26		5.0—5.3	-0.472	+0.237	+0.130	+0.160	5 12	-0.461	+0.030	+0.282
26							8 42	-0.461	+0.030	+0.319
26	Y.	8.5—8.9	-0.451	+0.267	+0.200	+0.174				
27	Br.	5.8—6.4	-0.487	+0.244	+0.265	+0.294	6 6	-0.482	-0.050	+0.372
27		8.4—8.7	-0.499	+0.291	+0.270	+0.331	8 36	-0.482	-0.050	+0.427

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1906		h h	s	s	s	s	h m h m	s	s	s
Feb. 28	Bs.	5.7—6.0	−0.504	+0.324	+0.396	+0.414	6 30—8 45	−0.496	−0.102	+0.512
28		8.4—8.7	−0.490	+0.344	+0.405	+0.391				
Mar. 1	Hl.	22.2—23.9	−0.477	+0.363	+0.440	+0.406	22 45—22 50	−0.486	−0.107	+0.541
1		4.1—4.5	−0.478	+0.322	+0.356	+0.379	3 30—7 25	−0.468	−0.072	+0.491
1		7.7—8.3	−0.464	+0.347	+0.363	+0.361				
1	Br.	21.7—22.4	−0.510	+0.281	+0.316	.....	22 45—22 55	−0.510	−0.070	+0.417
2		4.7—4.9	−0.458	+0.287	+0.261	+0.271	4 20—7 50	−0.458	−0.031	+0.379
2		8.0—8.2	−0.469	+0.252	+0.243	+0.274				
4	Hl.	6.3—7.1	−0.445	+0.259	+0.256	+0.214	5 5—9 40	−0.458	−0.019	+0.356
4		7.8—.....	.....	+0.267	.....	.....		
4		9.9—10.3	−0.455	+0.284	+0.252	+0.233				
5	Bs.	5.6—5.9	−0.472	+0.275	+0.281	+0.292	6 15—8 10	−0.474	−0.055	+0.397
5	Y.	8.5—8.9	−0.478	+0.272	+0.300	+0.296	9 5—11 35	−0.478	−0.057	+0.405
5	Ei.	11.9—12.0	−0.475	.....	+0.303	+0.298				
5		12.2—.....	.....	+0.289	.....	.....		
5	Br.	14.1—14.4	−0.468	+0.311	+0.312	+0.292	14 45—16 55	−0.471	−0.051	+0.428
5		17.2—17.4	−0.458	+0.307	+0.335	+0.295				
5		22.0—22.7	−0.475	+0.287	+0.338	+0.308	23 0—23 55	−0.480	−0.070	+0.420
6		0.2—0.4	−0.478	+0.285	+0.309	+0.318				
6		6.2—6.4	−0.467	+0.296	+0.287	+0.291	6 18—.. ..	−0.470	−0.038	+0.418
6	Y.	9.2—10.0	−0.467	+0.296	+0.329	+0.304	9 36—.. ..	−0.470	−0.064	+0.418
6		11.2—11.4	−0.470	+0.279	+0.335	+0.321	9 40—10 45	−0.474	−0.073	+0.422
8	Hl.	10.2—10.6	−0.448	+0.296	+0.269	+0.240	9 50—9 55	−0.455	−0.017	+0.385
9	Y.	10.0—10.3	−0.458	+0.293	+0.232	+0.220	10 40—12 45	−0.465	−0.007	+0.370
9		13.2—13.4	−0.458	+0.287	+0.268	+0.227				
10	Hl.	5.4—5.7	−0.448	+0.324	+0.224	+0.212	6 0—8 40	−0.462	+0.019	+0.376
10	Y.	9.5—9.9	−0.471	+0.291	+0.228	+0.222	10 10—12 40	−0.469	−0.002	+0.370
10		12.7—12.9	−0.471	+0.279	+0.231	+0.253				
17	Bs.	14.5—14.8	−0.485	+0.311	+0.353	+0.378	15 20—17 5	−0.485	−0.084	+0.475
17		17.2—17.5	−0.502	+0.306	+0.340	+0.379				
17		18.4—19.1	−0.506	+0.324	+0.362	+0.402	18 40—18 45	−0.495	−0.087	+0.501
19	Br.	15.2—15.6	−0.487	+0.335	+0.387	+0.399	15 45—16 50	−0.484	−0.082	+0.505
19		17.3—17.6	−0.492	+0.338	+0.357	+0.383				
19		20.3—20.8	−0.498	+0.321	+0.357	+0.374	20 35—20 40	−0.494	−0.081	+0.483
20		6.5—7.1	−0.495	+0.318	+0.320	+0.357	6 55—9 40	−0.482	−0.058	+0.472
20	Y.	10.0—10.4	−0.474	+0.341	+0.357	+0.333	10 12—.. ..	−0.480	−0.058	+0.477
20		12.8—13.0	−0.473	+0.325	+0.386	+0.350	12 54—.. ..	−0.480	−0.088	+0.477
20		16.1—16.3	−0.477	+0.312	+0.365	+0.360	13 25—15 55	−0.480	−0.088	+0.472
20	Bs.	21.2—21.7	−0.478	+0.331	+0.411	+0.416	21 30—21 35	−0.474	−0.109	+0.514
20		22.7—23.6	−0.476	+0.328	+0.393	+0.412	23 55—0 5	−0.471	−0.104	+0.514
21		6.7—7.0	−0.466	+0.306	+0.345	+0.353	7 15—9 35	−0.468	−0.078	+0.446
21	Y.	9.9—10.4	−0.471	+0.291	+0.333	+0.327	10 35—12 20	−0.477	−0.076	+0.422
21		12.5—12.7	−0.480	+0.274	+0.320	+0.316				
21	Bs.	22.9—23.7	−0.476	+0.285	+0.289	+0.360	0 0—1 5	−0.464	−0.052	+0.426
22		1.3—1.5	−0.474	+0.291	+0.284	+0.301				
22		6.9—7.1	−0.460	+0.301	+0.287	+0.265	7 30—9 45	−0.462	−0.026	+0.408
22		10.0—10.2	−0.461	+0.304	+0.270	+0.282				
22	Br.	14.8—15.1	−0.477	+0.328	+0.286	+0.316	15 10—17 15	−0.470	−0.026	+0.439
22		17.5—17.7	−0.476	+0.315	+0.281	+0.300				
22		23.1—23.8	−0.496	+0.274	+0.309	+0.325	0 5—1 5	−0.491	−0.057	+0.417
23		1.3—1.5	−0.506	+0.284	+0.251	+0.341				
23		6.7—7.0	−0.500	+0.273	+0.283	+0.321	7 10—9 45	−0.485	−0.063	+0.424

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1906		h h	s	s	s	s	h m h m	s	s	s
Mar. 23	Y.	10.0—10.3	−0.478	+0.299	+0.332	+0.326				
27	Bs.	23.3—0.1	−0.449	+0.287	+0.253	+0.295	0 25—0 30	−0.438	−0.026	+0.404
31	Bs.	11.5—11.8	−0.462	+0.311	+0.306	+0.311	12 10—14 30	−0.463	−0.058	+0.438
31		14.6—14.9	−0.467	+0.296	+0.328	+0.336				
Apr. 1		15.4—15.7	−0.466	+0.293	+0.286	+0.293	16 0—17 50	−0.461	−0.034	+0.412
1		18.0—18.3	−0.458	+0.304	+0.281	+0.280				
1		23.7—0.3	−0.461	+0.297	+0.269	+0.276				
2	Bs.	1.7—1.9	−0.480	+0.296	+0.218	+0.282	0 40—1 30	−0.461	−0.010	+0.402
2		7.4—8.1	−0.458	+0.259	+0.194	+0.201	8 20—9 45	−0.458	+0.012	+0.340
2		9.7—	.....	+0.282	.....	.....		
2	Y.	10.0—10.3	−0.454	+0.286	+0.225	+0.201	10 40—13 10	−0.463	−0.002	+0.340
2		13.2—13.4	−0.455	+0.258	+0.235	+0.196	13 40—16 0	−0.463	−0.016	+0.340
2		16.1—16.4	−0.456	+0.270	+0.249	+0.222				
6	Br.	7.5—7.8	−0.443	+0.203	+0.073	+0.097	8 0—10 10	−0.432	+0.074	+0.229
6	Y.	10.5—10.8	−0.419	+0.248	+0.102	+0.072	11 15—12 20	−0.432	+0.074	+0.229
7	Bs.	7.9—8.2	−0.443	+0.219	+0.068	+0.104	9 55—10 55	−0.432	+0.088	+0.228
7	Y.	11.3—11.6	−0.434	+0.234	+0.058	+0.068	11 55—14 25	−0.430	+0.098	+0.233
7		14.5—14.7	−0.431	+0.239	+0.063	+0.094	15 5—16 50	−0.430	+0.082	+0.232
7		16.9—17.2	−0.424	+0.229	+0.109	+0.064				
8	Br.	14.5—14.8	−0.442	+0.215	+0.040	+0.055	14 10—14 15	−0.438	+0.101	+0.200
10		8.1—8.4	−0.426	+0.164	−0.015	+0.009	8 35—10 10	−0.424	+0.102	+0.128
10	Y.	10.4—10.8	−0.416	+0.168	+0.027	−0.014	11 5—13 30	−0.427	+0.086	+0.124
10		13.6—13.8	−0.419	+0.152	+0.032	+0.002	14 10—16 10	−0.434	+0.076	+0.116
10		16.4—16.7	−0.427	+0.146	+0.035	−0.017				
11	Bs.	0.6—1.0	−0.429	+0.139	−0.006	−0.018	2 15—2 20	−0.414	+0.108	+0.113
12		2.4—2.7	−0.403	+0.170	−0.026	−0.001				
12		8.7—9.0	−0.422	+0.117	−0.023	−0.041	9 10—11 10	−0.426	+0.108	+0.079
12	Br.	16.3—16.6	−0.427	+0.149	−0.043	−0.067	16 40—18 5	−0.432	+0.130	+0.084
12		18.3—18.5	−0.426	+0.156	−0.035	−0.049				
12		0.2—1.1	−0.413	+0.162	−0.023	−0.056	0 36—	−0.426	+0.136	+0.094
13		2.6—2.8	−0.425	+0.124	−0.081	−0.097	2 42—	−0.426	+0.136	+0.037
13		8.2—8.4	−0.422	+0.093	−0.067	−0.076	8 40—10 20	−0.428	+0.112	+0.038
13	Y.	10.6—10.9	−0.422	+0.120	−0.033	−0.075	11 20—13 45	−0.436	+0.108	+0.050
13		13.9—14.1	−0.426	+0.118	−0.028	−0.075	14 35—15 45	−0.440	+0.107	+0.054
13		15.9—16.1	−0.437	+0.120	−0.036	−0.057				
13	Bs.	1.2—	.....	+0.132	.....	.....	1 25—1 30	−0.407	+0.095	+0.102
14		2.2—2.3	−0.414	.....	−0.024	+0.003				
15	Bs.	15.9—16.2	−0.412	+0.148	−0.018	−0.061	16 30—20 25	−0.425	+0.135	+0.088
15		18.5—18.8	−0.426	+0.173	−0.059	−0.051				
15		20.1—20.6	−0.419	+0.159	−0.038	−0.072				
16		8.9—9.2	−0.439	+0.100	−0.061	−0.029	9 20—11 40	−0.428	+0.112	+0.063
16	Y.	12.0—12.4	−0.412	+0.145	−0.026	−0.079	12 35—15 0	−0.432	+0.118	+0.064
16		14.6—15.2	−0.423	+0.133	−0.021	−0.082	15 30—17 55	−0.446	+0.106	+0.063
16		18.0—18.3	−0.444	+0.123	−0.021	−0.049				
16	Br.	21.5—21.7	−0.433	+0.140	−0.023	−0.032	21 15—21 20	−0.444	+0.104	+0.078
16		0.8—1.3	−0.430	+0.141	−0.061	−0.085	1 6—	−0.430	+0.142	+0.048
17		2.9—3.7	−0.427	+0.142	−0.122	−0.113	8 18—	−0.430	+0.182	+0.048
17		8.6—8.8	−0.421	+0.117	−0.058	−0.105	9 0—11 35	−0.431	+0.124	+0.036
17	Y.	11.9—12.3	−0.408	+0.129	−0.029	−0.105	12 35—15 10	−0.432	+0.116	+0.045
17		15.2—15.4	−0.426	+0.117	−0.039	−0.076				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1906		h h	s	"	s	s	h m h m	s	s	s
Apr. 17	Bs.	0.6—1.1	-0.406	+0.106	-0.103	-0.043	0 30—2 45	-0.386	+0.142	+0.038
17		1.5		+0.101						
18		2.9—3.2	-0.397	+0.104	-0.130	-0.071				
18		9.7—10.0	-0.383	+0.056	-0.100	-0.103	9 54	-0.380	+0.126	-0.021
18		13.2—13.5	-0.388	+0.082	-0.124	-0.078	13 24	-0.380	+0.126	+0.010
19	Bs.	9.8—10.1	-0.358	+0.046	-0.097	-0.111	10 25—12 0	-0.368	+0.115	-0.039
19	Y.	12.2—12.5	-0.363	+0.053	-0.105	-0.145	12 55—15 10	-0.374	+0.122	-0.036
19		15.2—15.4	-0.366	+0.064	-0.095	-0.124	15 40—17 35	-0.380	+0.132	-0.036
19		17.6—18.0	-0.371	+0.069	-0.099	-0.185				
19	Br.	0.9—1.5	-0.352	+0.040	-0.143	-0.120	1 50—1 55	-0.346	+0.132	-0.047
20		9.2—9.7	-0.351	+0.037	-0.144	-0.115	9 20—12 0	-0.346	+0.142	-0.046
20		12.2		+0.069						
20	Bs.	0.9—1.6	-0.355	+0.059	-0.125	-0.108	1 50—2 0	-0.351	+0.130	-0.024
23	Bs.	9.6—9.9	-0.406	+0.170	-0.064	-0.075	10 10—12 15	-0.416	+0.159	+0.078
23	Br.	1.1—1.7	-0.425	+0.187	-0.030	-0.061	2 0—2 10	-0.434	+0.148	+0.109
24		9.5—9.8	-0.399	+0.168	-0.052	-0.118	9 55—12 5	-0.425	+0.148	+0.058
24	Y.	12.4—12.7	-0.420	+0.141	-0.046	-0.100	13 5—16 30	-0.434	+0.144	+0.050
24		15.7—16.0	-0.424	+0.143	-0.067	-0.107				
24	Bs.	1.2—1.9	-0.428	+0.126	-0.089	-0.056	2 5—2 15	-0.419	+0.141	+0.060
26	Br.	1.2—1.5	-0.311	+0.084	-0.114	-0.114	0 40—0 45	-0.311	+0.142	-0.007
27		5.5—5.7	-0.329	+0.078	-0.133	-0.108	5 25—5 30	-0.323	+0.146	-0.010
27		10.3—10.5	-0.351	+0.050	-0.124	-0.127	10 35—13 25	-0.348	+0.145	-0.040
27		13.5—13.7	-0.341	+0.072	-0.146	-0.153				
27	Bs.	16.3—16.6	-0.358	+0.081	-0.124	-0.136	16 5—18 45	-0.362	+0.164	-0.014
27		18.8—19.1	-0.365	+0.105	-0.142	-0.140				
27		0.9—1.5	-0.352	+0.086	-0.151	-0.139	0 45—3 35	-0.350	+0.180	-0.027
27		2.1		+0.094						
28		3.7—4.0	-0.356	+0.087	-0.177	-0.162				
28		6.5—6.8	-0.340	+0.107	-0.156	-0.173	6 15—6 20	-0.344	+0.193	-0.023
29	Bs.	1.0—1.7	-0.349	+0.048	-0.136	-0.116	0 50—3 45	-0.330	+0.135	-0.054
29		2.2		+0.021						
30		3.9—4.2	-0.322	+0.041	-0.162	-0.141				
30		7.6—7.8	-0.328	0.000	-0.165	-0.113				
30		9.0—10.0	-0.333	+0.005	-0.119	-0.140	8 0—8 5	-0.314	+0.117	-0.076
30		12.3—12.6	-0.312	+0.031	-0.157	-0.159	10 0	-0.326	+0.101	-0.079
30							12 30	-0.326	+0.142	-0.079
30	Br.	16.3—16.6	-0.334	+0.044	-0.172	-0.169	16 55—19 0	-0.336	+0.160	-0.072
30		19.2—19.4	-0.333	+0.051	-0.156	-0.185				
30		1.7—2.3	-0.344	+0.046	-0.140	-0.184				
May 1		9.2—9.6	-0.352	+0.035	-0.201	-0.196	8 55—12 5	-0.357	+0.178	-0.085
1		12.2—12.4	-0.368	+0.050	-0.197	-0.177				
2	Bs.	9.7—10.2	-0.353	-0.003	-0.159	-0.153	11 55—12 55	-0.346	+0.127	-0.092
2		13.0—13.4	-0.349	+0.011	-0.172	-0.142				
3	Br.	16.3—16.7	-0.393	+0.023	-0.228	-0.199	16 30	-0.383	+0.185	-0.111
3		19.2—19.4	-0.392	+0.085	-0.230	-0.184	19 18	-0.383	+0.222	-0.055
3		1.9—2.4	-0.393	+0.030	-0.239	-0.213	2 40—4 5	-0.380	+0.186	-0.109
4		4.3—4.6	-0.373	+0.029	-0.198	-0.204				
4		10.1—10.4	-0.378	-0.023	-0.234	-0.179	10 25—12 55	-0.373	+0.149	-0.132
4		13.0—13.3	-0.388	-0.014	-0.201	-0.183				
4	Bs.	15.2—15.5	-0.366	+0.032	-0.176	-0.181	15 50—18 20	-0.368	+0.162	-0.082
4		18.5—18.8	-0.368	+0.047	-0.177	-0.180				
21	Y.	13.4—13.7	-0.352	+0.044	-0.209	-0.216	14 5—15 55	-0.364	+0.182	-0.098
21		16.0—16.2	-0.376	+0.030	-0.199	-0.191				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1906		^h ^m	^s	^s	^s	^s	^h ^m ^h ^m	^s	^s	^s
May 29	Y.	13.4—13.8	-0.374	+0.029	-0.201	-0.218	14 5—15 55	-0.380	+0.187	-0.108
29		16.0—16.2	-0.381	+0.043	-0.216	-0.217				
June 8	Br.	14.7—15.4	-0.306	+0.001	-0.190	-0.208	15 5—16 10	-0.312	+0.158	-0.122
8		17.0—17.2	-0.315	+0.010	-0.209	-0.195				
8	Hl.	3.4—4.3	-0.275	+0.021	-0.127	-0.171	5 5—5 10	-0.287	+0.122	-0.087
11	Y.	14.0—14.4	-0.286	-0.022	-0.181	-0.212	14 12	-0.302	+0.133	-0.147
11		17.3—17.5	-0.307	+0.044	-0.207	-0.215	17 24	-0.302	+0.190	-0.100
11		19.8—20.1	-0.321	+0.063	-0.194	-0.221	17 50—19 35	-0.318	+0.194	-0.094
11	Br.	4.7—5.0	-0.344	+0.040	-0.198	-0.178	5 15—5 25	-0.339	+0.174	-0.083
14	Br.	18.7—19.0	-0.341	+0.071	-0.211	-0.215	18 30—18 35	-0.342	+0.210	-0.080
14		5.0—5.3	-0.326	+0.053	-0.237	-0.173	5 12	-0.309	+0.203	-0.086
15		6.7—6.9	-0.309	+0.014	-0.172	-0.173	5 48	-0.309	+0.143	-0.086
15		7.9—8.2	-0.309	+0.002	-0.187	-0.176	7 45—7 50	-0.308	+0.144	-0.104
17	Hl.	5.3 .....	.....	-0.007	.....	.....		
18		6.9—7.1	-0.306	.....	-0.133	-0.111	5 40—5 50	-0.300	+0.094	-0.078
20	Hl.	4.7—5.2	-0.262	-0.002	-0.131	-0.164	5 55—6 0	-0.271	+0.108	-0.102
21		8.5—8.8	-0.282	-0.054	-0.134	-0.167	8 15—8 20	-0.291	+0.077	-0.143
21	Br.	5.2—5.7	-0.275	-0.028	-0.162	-0.170	5 0—7 15	-0.273	+0.115	-0.126
22		6.7—6.9	-0.287	-0.041	-0.222	-0.122	13 25—15 10	-0.282	+0.092	-0.156
22		14.1—14.3	-0.289	-0.069	-0.162	-0.174				
22	Y.	15.2—15.5	-0.275	-0.056	-0.173	-0.166	14 40—15 10	-0.282	+0.092	-0.156
22		18.4—18.7	-0.286	-0.030	-0.132	-0.163	15 50—19 15	-0.284	+0.094	-0.136
22	Bs.	5.2—5.8	-0.269	-0.031	-0.127	-0.148	6 0—6 10	-0.274	+0.084	-0.115
24	Hl.	19.2—19.9	-0.278	-0.022	-0.169	-0.172	18 15—19 5	-0.279	+0.118	-0.125
24		4.9—5.7	-0.269	0.000	-0.183	-0.166	6 10—6 20	-0.265	+0.138	-0.106
25		8.8—9.4	-0.281	-0.064	-0.225	-0.194	8 35—8 40	-0.272	+0.128	-0.175
25	Y.	15.0—15.4	-0.264	-0.081	-0.178	-0.200	15 12	-0.270	+0.090	-0.187
25		18.2—18.6	-0.274	-0.059	-0.169	-0.152	18 24	-0.270	+0.090	-0.143
25		21.1—21.3	-0.271	-0.036	-0.166	-0.140	18 25—21 5	-0.267	+0.095	-0.131
25	Br.	5.6—6.0	-0.283	-0.041	-0.154	-0.178	5 15—7 45	-0.282	+0.100	-0.148
26		7.8—8.1	-0.279	-0.060	-0.185	-0.168				
26	Bs.	5.5—6.1	-0.264	-0.044	-0.168	-0.155	5 20—8 50	-0.255	+0.106	-0.136
27		8.4—8.9	-0.267	-0.055	-0.207	-0.139				
27	Hl.	21.4—22.0	-0.272	-0.034	-0.153	-0.173	20 35—21 10	-0.277	+0.103	-0.132
27		4.8—5.4	-0.258	-0.025	-0.154	-0.153	6 25—6 30	-0.258	+0.104	-0.116
28		8.2—8.6	-0.246	-0.058	-0.180	-0.173	7 55—8 0	-0.244	+0.102	-0.155
28	Br.	19.1—19.7	-0.247	-0.052	-0.134	-0.172	18 55—20 10	-0.252	+0.080	-0.144
28		5.8—6.2	-0.251	-0.101	-0.166	-0.124	6 25—6 35	-0.236	+0.060	-0.168
29		7.7—7.8	-0.246	-0.110	-0.185	-0.131	8 0—9 0	-0.236	+0.055	-0.174
29		9.2—9.3	-0.242	-0.112	-0.157	-0.135				
29		13.1—13.3	-0.211	-0.104	-0.148	-0.117	12 50—12 55	-0.209	+0.042	-0.154
29	Y.	16.3—16.5	-0.217	-0.093	-0.127	-0.124	17 5—19 30	-0.222	+0.046	-0.140
29		19.6—19.8	-0.230	-0.072	-0.127	-0.115	20 20—22 5	-0.241	+0.054	-0.137
29		22.1—22.4	-0.246	-0.067	-0.120	-0.151				
29	Bs.	5.8—6.2	-0.214	-0.072	-0.117	-0.102				
30		7.7—8.4	-0.215	-0.082	-0.136	-0.113	8 5—9 5	-0.208	+0.043	-0.138
30		9.1—9.4	-0.221	-0.098	-0.143	-0.088				
30	Y.	15.3—15.7	-0.222	-0.097	-0.126	-0.140	15 30	-0.226	+0.040	-0.163
30		18.2—18.4	-0.227	-0.059	-0.143	-0.141	18 18	-0.226	+0.074	-0.134

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1906 July 1	Bs.	^h 14.9— ^h 15.1	^s -0.220	^s -0.099	^s -0.130	^s -0.149	^h 14 ^m 40— ^h 14 ^m 45	^s -0.225	^s +0.044	^s -0.169
1	HI.	22.0—22.5	-0.243	-0.027	-0.124	-0.112	21 25—21 50	-0.240	+0.077	-0.093
1		5.4—6.1	-0.215	-0.036	-0.088	-0.136	6 40—6 45	-0.228	+0.056	-0.108
2		9.4—9.8	-0.224	-0.073	-0.171	-0.137	9 5—9 10	-0.215	+0.080	-0.147
2	Y.	15.2—15.5	-0.225	-0.107	.....	.....		
2	Br.	21.0—21.2	-0.243	-0.093	-0.151	-0.126	20 45—21 35	-0.237	+0.052	-0.155
2		6.1—6.5	-0.254	-0.095	-0.159	-0.154	6 45—6 50	-0.248	+0.058	-0.175
3		8.2—8.3	-0.255	-0.119	-0.179	-0.129	9 10—9 15	-0.238	+0.058	-0.174
3		9.4—9.6	-0.250	-0.109	-0.185	-0.127				
4	HI.	5.5—5.9	-0.241	-0.004	-0.162	-0.175	6 55—7 0	-0.244	+0.127	-0.111
5		8.9—9.7	-0.270	-0.058	-0.199	-0.145	8 35—9 25	-0.256	+0.106	-0.142
5	Y.	15.3—15.6	-0.255	-0.075	-0.186	-0.184	15 24	-0.254	+0.098	-0.174
5		18.6—19.1	-0.291	+0.032	-0.188	-0.174	18 48	-0.287	+0.164	-0.086
							18 55—19 0	-0.287	+0.164	-0.086
5	Br.	22.7—23.0	-0.297	+0.045	-0.196	-0.192				
5		6.2—6.6	-0.303	-0.024	-0.192	-0.176	6 55—7 5	-0.298	+0.136	-0.141
6		8.3—8.5	-0.301	-0.032	-0.217	-0.196				
6		9.7—9.9	-0.296	-0.026	-0.182	-0.175	9 25—9 30	-0.295	+0.133	-0.140
6	Bs.	19.5—19.8	-0.303	-0.018	-0.192	-0.202	19 42	-0.304	+0.135	-0.140
6		22.7—23.0	-0.298	+0.018	-0.150	-0.163	22 54	-0.304	+0.135	-0.086
6		6.4—6.7	-0.293	+0.037	-0.156	-0.176	7 0—7 5	-0.298	+0.158	-0.092
7		8.2—8.5	-0.291	+0.030	-0.185	-0.207	8 50—9 35	-0.293	+0.168	-0.108
7		9.7—10.0	-0.285	+0.025	-0.195	-0.210				
7	Y.	16.5—16.8	-0.296	-0.008	-0.201	-0.226	16 36	-0.306	+0.157	-0.145
7		19.6—19.8	-0.301	+0.033	-0.166	-0.200	19 42	-0.306	+0.157	-0.096
7		21.2—21.4	-0.304	+0.044	-0.186	-0.216	20 10—20 40	-0.311	+0.168	-0.097
8	HI.	5.7—6.1	-0.278	+0.024	-0.204	-0.182	7 10—7 15	-0.272	+0.169	-0.098
9		9.2—10.6	-0.289	-0.029	-0.213	-0.171	9 0—9 45	-0.278	+0.138	-0.135
9		16.0—16.4	-0.258	-0.023	-0.180	-0.210				
9		20.4—21.0	-0.266	-0.002	-0.170	-0.192	19 45—21 25	-0.269	+0.134	-0.133
19	Bs.	16.5—16.6	-0.243	-0.122	-0.170	-0.147	16 36	-0.238	+0.056	-0.189
19		19.2—19.4	-0.248	-0.086	-0.160	-0.126	19 18	-0.238	+0.056	-0.150
21	Bs.	16.5—16.6	-0.233	-0.090	-0.155	-0.166	16 36	-0.236	+0.066	-0.172
21		19.3—19.5	-0.240	-0.040	-0.159	-0.144	19 24	-0.236	+0.095	-0.123
26	Bs.	16.4—16.6	-0.262	-0.069	-0.162	-0.195	16 55—19 15	-0.269	+0.098	-0.162
26		19.3—19.5	-0.272	-0.054	-0.188	-0.170				
28	Bs.	16.4—16.7	-0.256	-0.078	-0.184	-0.163	16 50—19 15	-0.257	+0.089	-0.160
28		19.3—19.5	-0.277	-0.078	-0.192	-0.139				
Aug. 4	HI.	16.5—16.8	-0.238	-0.123	-0.159	-0.106	18 55—21 25	-0.232	+0.037	-0.162
4		19.3—19.5	-0.248	-0.104	-0.142	-0.115				
11	HI.	16.6—17.0	-0.217	-0.106	-0.157	-0.154	19 0—21 25	-0.214	+0.056	-0.172
11		19.6—19.9	-0.209	-0.088	-0.143	-0.154				
15	Y.	17.0—17.4	-0.253	-0.106	-0.189	-0.154	17 40—20 10	-0.242	+0.069	-0.176
15		20.2—20.4	-0.247	-0.096	-0.166	-0.145				
15	HI.	23.4—23.9	-0.245	-0.039	-0.140	-0.133	20 18	-0.242	+0.074	-0.169
							23 42	-0.242	+0.074	-0.114
15		8.9—9.3	-0.262	-0.076	-0.179	-0.127	9 35—9 45	-0.248	+0.080	-0.144
19	HI.	22.4—22.8	-0.244	-0.078	-0.134	-0.144	21 45—23 25	-0.247	+0.057	-0.150
19		9.1—9.5	-0.241	-0.076	-0.128	-0.157				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1906		h h	s	s	s	s	h m h m	s	s	s
Aug. 20	Br.	9.2—9.7	-0.243	-0.075	-0.154	-0.122	9 55—10 5	-0.234	+0.066	-0.138
21		12.5—13.0	-0.233	-0.110	-0.165	-0.127	12 40—12 45	-0.223	+0.051	-0.170
22	HI.	23.2—23.7	-0.230	-0.051	-0.114	-0.141	22 55—1 35	-0.246	+0.065	-0.114
22		1.8—2.1	-0.266	-0.049	-0.134	-0.098				
22		8.7—9.1	-0.243	-0.047	-0.153	-0.133				
23	Y.	17.2—17.6	-0.247	-0.113	-0.140	-0.134	17 50—20 25	-0.248	+0.035	-0.163
23		20.5—20.7	-0.247	-0.096	-0.116	-0.127				
23	Br.	23.2—23.5	-0.256	-0.095	-0.129	-0.117	23 24	-0.250	+0.044	-0.149
23		2.6—2.8	-0.254	-0.068	-0.130	-0.100	2 42	-0.250	+0.044	-0.119
23		9.3—9.8	-0.242	-0.088	-0.127	-0.101	10 5—10 15	-0.235	+0.038	-0.135
26	HI.	9.3—9.8	-0.260	-0.046	-0.169	-0.140	10 20—10 25	-0.253	+0.096	-0.127
27		12.5—13.3	-0.237	-0.059	-0.119	-0.136	13 5—3 10	-0.241	+0.060	-0.129
30	Y.	17.1—17.5	-0.262	-0.062	-0.132	-0.117	17 18	-0.262	+0.070	-0.123
30		20.1—20.3	-0.262	-0.016	-0.111	-0.125	20 12	-0.262	+0.070	-0.090
30	Br.	23.3—23.7	-0.275	-0.033	-0.142	-0.139	22 55—23 0	-0.274	+0.089	-0.113
30		2.7—2.9	-0.282	+0.008	-0.134	-0.119	23 24	-0.276	+0.098	-0.113
30		9.7—10.2	-0.263	-0.028	-0.130	-0.135	2 48	-0.276	+0.098	-0.070
31		13.1—13.6	-0.258	-0.047	-0.157	-0.132	10 35—10 40	-0.264	+0.085	-0.106
31	Y.	17.4—18.0	-0.275	-0.093	-0.139	-0.121	13 20—13 25	-0.252	+0.086	-0.122
31							17 30	-0.268	+0.046	-0.150
31							21 30	-0.268	+0.109	-0.113
31	Br.	21.3—21.6	-0.264	-0.017	-0.153	-0.160	17 30	-0.268	+0.046	-0.150
31							21 30	-0.268	+0.109	-0.113
Sept. 2	HI.	23.3—23.7	-0.255	-0.024	-0.145	-0.136	23 0—0 35	-0.253	+0.095	-0.105
3	HI.	20.0—20.3	-0.226	-0.026	-0.121	-0.133	20 45—23 25	-0.237	+0.083	-0.104
3		0.5—0.6	-0.250	.....	-0.141	-0.123				
3	Br.	0.1 .....	.....	-0.026	.....	.....	23 50—23 55	-0.248	+0.099	-0.106
3		0.7—1.0	-0.249	-0.034	-0.146	-0.143				
3		4.2—4.4	-0.245	+0.040	-0.218	-0.226				
3		10.0—10.3	-0.268	+0.001	-0.204	-0.178	9 45—10 55	-0.261	+0.154	-0.114
4		13.2—13.3	-0.259	-0.009	-0.190	-0.195	13 35—13 40	-0.260	+0.143	-0.129
4		18.4—18.7	-0.277	-0.045	-0.213	-0.145	19 0—21 5	-0.264	+0.116	-0.132
4		21.3—21.6	-0.273	-0.036	-0.175	-0.161				
4	P.	23.1—23.6	-0.285	-0.007	-0.212	-0.188	0 0—2 10	-0.286	+0.156	-0.120
4		2.5—3.1	-0.294	+0.011	-0.194	-0.194				
5		13.9—14.2	-0.299	-0.007	-0.213	-0.192	13 40—13 45	-0.294	+0.156	-0.129
5		18.6—19.2	-0.302	-0.020	-0.221	-0.171	18 15—18 20	-0.289	+0.148	-0.128
5							18 54	-0.288	+0.158	-0.128
5		22.2—22.5	-0.297	+0.023	-0.208	-0.172	22 24	-0.288	+0.158	-0.093
5	HI.	0.3—0.7	-0.275	+0.079	-0.179	-0.195	0 30	-0.283	+0.192	-0.062
5		4.2—4.6	-0.284	+0.046	-0.153	-0.164	4 18	-0.283	+0.150	-0.062
6	Y.	18.1—18.8	-0.273	-0.008	-0.169	-0.216	18 24	-0.292	+0.141	-0.137
6		21.4—21.6	-0.296	+0.012	-0.176	-0.183	21 30	-0.292	+0.141	-0.105
6		0.5—0.7	-0.294	+0.011	-0.172	-0.210	22 0—0 30	-0.301	+0.148	-0.112
6	Br.	9.8—10.5	-0.258	+0.056	-0.187	-0.151	10 5—11 5	-0.248	+0.154	-0.080
6		10.6 .....	.....	+0.021	.....	.....		
7		13.5—14.0	-0.247	-0.056	-0.210	-0.204	13 45—13 50	-0.245	+0.127	-0.172
7	Y.	18.6—19.0	-0.238	-0.047	-0.159	-0.188	19 20—21 50	-0.246	+0.094	-0.150
7		21.9—22.1	-0.239	-0.051	-0.144	-0.178	22 0	-0.250	+0.087	-0.142
7		0.2—0.4	-0.246	-0.024	-0.165	-0.190	0 18	-0.250	+0.119	-0.142

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1906		h h	s	s	s	s	h m h m	s	s	s
Sept. 8	Y.	18.6—19.0	-0.235	-0.099	-0.139	-0.180	19 10—20 30	-0.241	+0.054	-0.177
8		20.6—20.7	-0.220	-0.087	-0.127	-0.166	21 10—23 40	-0.241	+0.066	-0.154
8		23.7—0.0	-0.250	-0.060	-0.151	-0.147				
9	HI.	0.5—0.9	-0.225	-0.011	-0.105	-0.139	1 25—4 50	-0.242	+0.088	-0.093
9		4.1—4.3	-0.256	-0.020	-0.145	-0.119				
9		9.7—10.2	-0.235	-0.029	-0.095	-0.159	11 10—11 15	-0.252	+0.070	-0.116
10		13.4—14.2	-0.201	-0.072	-0.146	-0.177	14 0—14 5	-0.210	+0.075	-0.165
10	P.	3.0—3.6	-0.271	-0.075	-0.198	-0.100	3 50—5 40	-0.248	+0.076	-0.126
10		4.7—5.2	-0.265	-0.066	-0.154	-0.101				
10		10.3—10.8	-0.270	-0.096	-0.166	-0.148	10 35—11 20	-0.265	+0.064	-0.170
10		11.0—.....	-0.097	-0.097	-0.097	-0.097				
11		13.4—14.4	-0.243	-0.127	-0.164	-0.146	14 0—14 5	-0.238	+0.044	-0.192
11	Y.	18.3—18.8	-0.211	-0.090	-0.150	-0.140	19 0—21 30	-0.218	+0.058	-0.162
11		20.8—21.0	-0.224	-0.089	-0.142	-0.159				
13	HI.	8.5—8.8	-0.234	-0.028	-0.109	-0.174				
14		13.4—13.7	-0.254	-0.033	-0.171	-0.145				
14		17.0—17.3	-0.239	-0.030	-0.137	-0.175	18 0—19 0	-0.260	+0.098	-0.125
18	P.	16.5—17.0	-0.295	-0.082	-0.209	-0.128	18 0—19 0	-0.262	+0.090	-0.151
18	HI.	10.2—11.0	-0.218	-0.028	-0.069	-0.130				
19		14.8—15.2	-0.232	-0.092	-0.040	-0.099	14 35—14 40	-0.248	-0.014	-0.128
19		16.8—17.3	-0.239	-0.104	-0.096	-0.113	18 0—19 0	-0.244	+0.016	-0.139
19	Y.	19.2—19.5	-0.239	-0.083	-0.085	-0.107	19 50—22 15	-0.246	+0.022	-0.119
19		22.3—22.5	-0.244	-0.066	-0.079	-0.096	22 50—0 15	-0.252	+0.027	-0.100
19		0.5—0.7	-0.254	-0.051	-0.079	-0.085				
19	P.	5.2—5.6	-0.272	-0.031	-0.087	-0.061	2 0—4 45	-0.260	+0.036	-0.078
19		10.9—11.2	-0.233	-0.046	-0.081	-0.086	11 45—11 50	-0.234	+0.035	-0.090
20		14.0—14.2	-0.225	-0.071	-0.101	-0.097	14 35—14 40	-0.224	+0.033	-0.116
20	Y.	19.5—19.8	-0.222	-0.070	-0.088	-0.108	20 10—22 40	-0.236	+0.028	-0.108
20		22.7—23.1	-0.237	-0.050	-0.068	-0.094	22 50—22 55	-0.236	+0.032	-0.089
20		1.7—1.9	-0.250	-0.040	-0.076	-0.084	23 20—1 40	-0.248	+0.032	-0.089
20	HI.	5.0—5.4	-0.261	-0.014	-0.077	-0.082	2 50—4 45	-0.257	+0.044	-0.072
20		10.4—11.2	-0.220	-0.001	-0.075	-0.118	11 50—11 55	-0.232	+0.067	-0.070
21		14.9—15.2	-0.230	-0.092	-0.144	-0.076	14 40—14 45	-0.212	+0.040	-0.127
21		18.3—18.7	-0.191	-0.095	-0.131	-0.118	18 24	-0.200	+0.042	-0.150
21		20.8—21.0	-0.207	-0.059	-0.098	-0.121	20 54	-0.200	+0.042	-0.120
21	P.	23.6—0.0	-0.233	-0.051	-0.143	-0.036	20 54	-0.214	+0.048	-0.120
							23 48	-0.214	+0.048	-0.082
							23 48	-0.214	+0.048	-0.089
21		2.6—3.0	-0.249	-0.046	-0.095	-0.095	2 48	-0.249	+0.048	-0.089
22		15.9—16.2	-0.230	-0.087	-0.146	-0.119	15 40—15 45	-0.223	+0.053	-0.145
23	HI.	10.9—11.5	-0.234	+0.019	-0.121	-0.132	12 0—12 5	-0.237	+0.108	-0.067
24		14.5—15.2	-0.242	+0.011	-0.099	-0.139	14 50—14 55	-0.253	+0.093	-0.075
24		16.6—17.0	-0.263	-0.019	-0.109	-0.149	17 45—19 25	-0.262	+0.094	-0.098
24	Y.	19.6—20.0	-0.246	+0.002	-0.133	-0.151	19 48	-0.244	+0.118	-0.091
24		22.9—23.2	-0.227	+0.051	-0.114	-0.145	23 6	-0.244	+0.118	-0.049
							23 6	-0.248	+0.127	-0.050
24		1.9—2.2	-0.255	+0.066	-0.144	-0.167	2 0	-0.248	+0.159	-0.050
							2 0	-0.260	+0.172	-0.051
24	P.	5.8—6.2	-0.268	+0.093	-0.173	-0.141	6 0	-0.260	+0.172	-0.020
25		14.6—15.2	-0.288	+0.043	-0.195	-0.189	14 55—15 0	-0.286	+0.177	-0.086
25		18.1—18.3	-0.275	+0.045	-0.169	-0.202	18 45—20 0	-0.286	+0.170	-0.078

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1906		h h	s	s	s	s	h m h m	s	s	s
Sept. 25	Y.	20. 3—20. 7	-0. 274	+0. 069	-0. 152	-0. 200	21 0—23 15	-0. 284	+0. 178	-0. 064
25		23. 3—23. 5	-0. 277	+0. 074	-0. 172	-0. 190	0 0—2 15	-0. 289	+0. 180	-0. 052
25		2. 3—2. 5	-0. 284	+0. 090	-0. 143	-0. 187				
29	Hl.	18. 2—18. 5	-0. 237	-0. 002	-0. 157	-0. 150	18 55—20 45	-0. 243	+0. 116	-0. 092
29	Y.	20. 9—21. 2	-0. 255	0. 000	-0. 150	-0. 133				
Oct. 4	Hl.	7. 5—7. 9	-0. 266	+0. 045	-0. 169	-0. 163	12 40—12 45	-0. 253	+0. 171	-0. 039
4		11. 4—11. 9	-0. 253	+0. 077	-0. 157	-0. 158	15 30—15 35	-0. 240	+0. 141	-0. 089
5		15. 3—16. 0	-0. 246	+0. 013	-0. 178	-0. 153				
6	P.	20. 9—21. 3	-0. 258	+0. 032	-0. 148	-0. 179	21 6	-0. 266	+0. 142	-0. 085
6		0. 0—0. 2	-0. 275	+0. 072	-0. 205	-0. 165	0 6	-0. 266	+0. 196	-0. 051
6		2. 3—2. 6	-0. 263	+0. 092	-0. 168	-0. 184	0 40—2 10	-0. 266	+0. 194	-0. 047
6	Hl.	5. 8—6. 2	-0. 253	+0. 140	-0. 173	-0. 206	2 30	-0. 264	+0. 192	-0. 030
							0 0	-0. 264	+0. 230	-0. 030
7	Hl.	0. 2—0. 8	-0. 262	+0. 098	-0. 179	-0. 198	0 30	-0. 270	+0. 193	-0. 046
7		4. 2—4. 5	-0. 272	+0. 115	-0. 140	-0. 145	4 24	-0. 270	+0. 193	0. 000
							5 15—5 20	-0. 273	+0. 182	0. 000
7		11. 5—12. 0	-0. 264	+0. 136	-0. 091	-0. 210	12 50—12 55	-0. 285	+0. 189	-0. 005
8		14. 9—15. 2	-0. 294	+0. 094	-0. 216	-0. 182	15 40—15 45	-0. 285	+0. 220	-0. 045
8		17. 4—18. 3	-0. 278	+0. 075	-0. 211	-0. 176	18 55—20 50	-0. 280	+0. 198	-0. 064
8	P.	21. 1—21. 4	-0. 301	+0. 056	-0. 212	-0. 181	21 45—0 25	-0. 290	+0. 191	-0. 074
8		0. 4—0. 8	-0. 310	+0. 044	-0. 225	-0. 163	0 36	-0. 290	+0. 176	-0. 075
8		3. 4—3. 6	-0. 288	+0. 062	-0. 161	-0. 149	3 30	-0. 290	+0. 176	-0. 046
8		11. 7—12. 0	-0. 308	+0. 019	-0. 216	-0. 146	12 55—13 40	-0. 282	+0. 163	-0. 086
9		14. 1—14. 5	-0. 273	+0. 037	-0. 174	-0. 187				
10	Br.	12. 2—12. 8	-0. 320	+0. 158	-0. 132	-0. 055	13 0—13 50	-0. 300	+0. 185	+0. 079
11		14. 1 .....	.....	+0. 149	.....	.....	15 50—15 55	-0. 294	+0. 172	+0. 066
11		15. 7—16. 1	-0. 307	+0. 147	-0. 115	-0. 068				
11		18. 7—19. 0	-0. 320	+0. 121	-0. 115	-0. 070	19 20—21 5	-0. 314	+0. 160	+0. 058
11	P.	21. 4—21. 8	-0. 300	+0. 177	-0. 048	-0. 119	22 0—0 35	-0. 318	+0. 158	+0. 078
11		0. 7—0. 9	-0. 339	+0. 139	-0. 105	-0. 023	0 48	-0. 317	+0. 144	+0. 082
11		3. 1—3. 4	-0. 353	+0. 144	-0. 061	-0. 051	3 12	-0. 350	+0. 144	+0. 082
							3 12	-0. 350	+0. 136	+0. 079
11	Hl.	6. 9—7. 2	-0. 286	+0. 248	+0. 008	-0. 063	7 6	-0. 305	+0. 166	+0. 160
11		9. 1—9. 3	-0. 317	+0. 207	+0. 004	+0. 012	8 45—8 50	-0. 315	+0. 125	+0. 168
11		12. 4—12. 8	-0. 299	+0. 233	+0. 032	-0. 069	13 5—16 0	-0. 330	+0. 140	+0. 142
12		14. 1 .....	.....	+0. 185	.....	.....		
12		14. 9—15. 4	-0. 343	+0. 182	-0. 021	-0. 025				
12		19. 8—20. 2	-0. 314	+0. 177	-0. 081	-0. 054	20 0	-0. 307	+0. 169	+0. 100
							23 24	-0. 370	+0. 125	+0. 051
12	P.	23. 3—23. 6	-0. 347	+0. 142	-0. 021	-0. 112	23 24	-0. 365	+0. 114	+0. 051
12		2. 7—2. 9	-0. 352	+0. 140	-0. 013	-0. 036	2 48	-0. 365	+0. 114	+0. 089
12		9. 1—9. 4	-0. 332	+0. 159	+0. 050	-0. 010	9 40—9 45	-0. 352	+0. 082	+0. 120
12		11. 9—12. 4	-0. 360	+0. 143	-0. 002	+0. 009	12 12	-0. 348	+0. 089	+0. 108
13		13. 8—14. 4	-0. 339	+0. 162	-0. 040	-0. 042	14 6	-0. 348	+0. 134	+0. 108
13		20. 7—21. 0	-0. 355	+0. 093	-0. 098	-0. 074	20 48	-0. 347	+0. 116	+0. 023
13		23. 5—23. 6	-0. 358	+0. 094	-0. 071	-0. 021	23 36	-0. 347	+0. 116	+0. 054
14	Hl.	0. 3—0. 8	-0. 310	+0. 105	-0. 127	-0. 166	0 36	-0. 320	+0. 173	-0. 016
14		4. 2—4. 5	-0. 315	+0. 082	-0. 112	-0. 123	4 24	-0. 320	+0. 142	-0. 016
14		12. 1—12. 8	-0. 277	+0. 114	-0. 078	-0. 171	13 15—14 15	-0. 288	+0. 161	-0. 013
15		14. 3—14. 5	-0. 279	+0. 082	.....	.....		
15		15. 1—16. 3	-0. 277	+0. 025	-0. 157	-0. 144	16 5—16 10	-0. 276	+0. 160	-0. 036
15		20. 1—20. 5	-0. 263	+0. 024	-0. 171	-0. 193	20 45—22 35	-0. 277	+0. 149	-0. 112
15	P.	23. 4—23. 5	-0. 285	-0. 005	-0. 191	-0. 190	0 5—2 40	-0. 284	+0. 136	-0. 118
15		2. 8—3. 0	-0. 295	-0. 017	-0. 190	-0. 149				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1906		h h	s	s	s	s	h m h m	s	s	s
Oct. 23	HI.	19. 7—20. 3	-0. 262	+0. 062	-0. 029	-0. 060	20 40—21 45	-0. 266	+0. 070	+0. 019
23		22. 1—22. 3	-0. 265	+0. 062	-0. 049	-0. 033				
25	HI.	21. 7—22. 5	-0. 271	+0. 040	-0. 051	-0. 044	22 40—23 25	-0. 274	+0. 060	+0. 002
25	P.	23. 8— 0. 1	-0. 280	+0. 034	-0. 048	-0. 039	0 25— 2 50	-0. 280	+0. 050	0. 000
25		2. 9— 3. 1	-0. 277	+0. 033	-0. 022	-0. 044				
Instrument reversed to Clamp East. Stellar focus adjusted. Collimation adjusted.										
1907										
Apr. 17	M.	8. 1— 8. 5	-0. 045	+0. 338	+0. 099	+0. 105	8 50— 9 50	-0. 044	+0. 135	+0. 336
17		9. 9—10. 1	-0. 045	+0. 353	+0. 112	+0. 107				
17	P.	13. 9—14. 4	-0. 036	+0. 374	+0. 140	+0. 119	11 0—13 30	-0. 044	+0. 133	+0. 356
17	M.	15. 7—16. 3	-0. 039	+0. 370	+0. 130	+0. 140				
17		23. 1—23. 7	-0. 046	+0. 349	+0. 114	+0. 172	23 20—23 25	-0. 031	+0. 118	+0. 373
17		0. 9— 1. 0	-0. 016	+0. 365	+0. 105	+0. 155	1 40— 1 45	-0. 003	+0. 136	+0. 376
18		6. 3— 6. 6	-0. 053	+0. 338	+0. 111	+0. 106	6 25— 6 30	-0. 054	+0. 128	+0. 330
18		8. 6— 8. 8	-0. 045	+0. 347	+0. 089	+0. 046	9 10—11 5	-0. 060	+0. 147	+0. 309
18		11. 6—11. 8	-0. 056	+0. 336	+0. 101	+0. 079				
19	HI.	9. 7—10. 1	-0. 046	+0. 351	+0. 140	+0. 114	9 54	-0. 048	+0. 120	+0. 348
19		12. 7—13. 1	-0. 041	+0. 376	+0. 149	+0. 141	12 54	-0. 048	+0. 120	+0. 382
19	P.	15. 0—15. 4	-0. 041	+0. 372	+0. 110	+0. 132	16 0—18 20	-0. 037	+0. 144	+0. 370
19		18. 5—18. 9	-0. 036	+0. 382	+0. 125	+0. 114				
19		23. 0—23. 8	-0. 029	+0. 387	+0. 118	+0. 127	23 30—23 35	-0. 027	+0. 149	+0. 380
19		1. 0— 1. 3	-0. 026	+0. 357	+0. 079	+0. 189	0 10— 0 15	-0. 012	+0. 144	+0. 382
20		8. 6— 9. 0	-0. 040	+0. 346	+0. 116	+0. 117	8 10— 8 15	-0. 040	+0. 127	+0. 342
20		12. 2—12. 5	-0. 027	+0. 350	+0. 101	+0. 098	9 20—12 0	-0. 034	+0. 134	+0. 338
21	HI.	8. 2— 8. 7	-0. 068	+0. 306	+0. 118	+0. 087	11 0—11 20	-0. 064	+0. 123	+0. 308
21		11. 6—11. 9	-0. 041	+0. 347	+0. 113	+0. 077				
21	M.	16. 1—16. 3	-0. 040	+0. 354	+0. 104	+0. 087	16 35—18 35	-0. 056	+0. 136	+0. 326
21		18. 8—19. 0	-0. 065	+0. 332	+0. 109	+0. 095				
21		23. 8— 0. 0	-0. 055	+0. 342	+0. 115	+0. 095	23 40—23 45	-0. 060	+0. 130	+0. 328
21		1. 4— 1. 7	-0. 046	+0. 328	+0. 116	+0. 124	1 55— 2 0	-0. 044	+0. 116	+0. 332
23	P.	23. 4— 0. 1	-0. 071	+0. 294	+0. 081	+0. 080	23 45— 0 35	-0. 071	+0. 123	+0. 279
23		1. 4— 1. 6	-0. 081	+0. 271	+0. 078	+0. 110	2 0— 2 10	-0. 072	+0. 103	+0. 277
24		9. 2— 9. 8	-0. 102	+0. 241	+0. 028	+0. 076	9 36	-0. 080	+0. 118	+0. 231
24		12. 7—13. 1	-0. 073	+0. 292	+0. 086	+0. 088	12 54	-0. 080	+0. 118	+0. 283
24	M.	15. 8—16. 2	-0. 079	+0. 299	+0. 033	+0. 051	16 0	-0. 076	+0. 158	+0. 263
24		18. 7—19. 0	-0. 072	+0. 289	+0. 084	+0. 057	18 48	-0. 076	+0. 123	+0. 263
24		23. 3—23. 6	-0. 082	+0. 286	+0. 053	+0. 071	23 50—23 55	-0. 089	+0. 128	+0. 257
24		1. 5— 1. 7	-0. 125	+0. 244	+0. 037	+0. 059	0 35— 0 40	-0. 099	+0. 128	+0. 244
							2 5— 2 10	-0. 119	+0. 120	+0. 224
25		9. 3— 9. 5	-0. 154	+0. 233	-0. 012	-0. 007	9 55—12 35	-0. 154	+0. 148	+0. 174
25		12. 7—13. 0	-0. 159	+0. 218	-0. 012	+0. 007				
25	HI.	15. 5—16. 7	-0. 134	+0. 235	-0. 026	+0. 043	15 54	-0. 117	+0. 153	+0. 202
25		18. 4—19. 1	-0. 126	+0. 225	+0. 016	+0. 049	18 36	-0. 117	+0. 121	+0. 202
25		23. 7— 0. 2	-0. 133	+0. 206	+0. 041	+0. 046	0 40— 0 45	-0. 132	+0. 096	+0. 189
25		1. 2— 1. 7	-0. 126	+0. 196	+0. 026	+0. 039	2 10— 2 15	-0. 123	+0. 108	+0. 185
25		1. 7 .....	.....	+0. 222	.....	.....		
26	P.	0. 2— 0. 5	-0. 111	+0. 251	-0. 012	+0. 103	0 0— 0 5	-0. 090	+0. 135	+0. 241
26		1. 6— 1. 9	-0. 097	+0. 252	-0. 022	0. 000				
29	M.	12. 2—12. 4	-0. 110	+0. 261	-0. 022	-0. 038	12 55—15 10	-0. 108	+0. 180	+0. 183
29		15. 3—15. 5	-0. 097	+0. 260	-0. 007	-0. 032				
29	HI.	1. 3— 2. 0	-0. 114	+0. 219	-0. 029	+0. 016	2 25— 2 30	-0. 102	+0. 150	+0. 176
30		10. 3—10. 7	-0. 137	+0. 233	+0. 030	-0. 007	11 10—13 10	-0. 142	+0. 127	+0. 181
30		13. 4—13. 7	-0. 132	+0. 222	+0. 026	+0. 011				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1907		h h	s	s	°	s	h m h m	s	°	s
Apr. 30	P.	17.6 —17.8	−0.158	+0.212	+0.010	+0.021	17 25—17 30	−0.155	+0.123	+0.177
May 2	HI.	0.7 —1.1	−0.091	+0.283	−0.028	−0.005	0 25—0 30	−0.085	+0.193	+0.215
2		1.8 —2.1	−0.114	+0.238	−0.032	+0.021	1 20—1 25	−0.092	+0.178	+0.204
3	P.	1.2 —1.75	−0.140	+0.234	−0.042	+0.042	2 35—2 40	−0.100	+0.163	+0.192
3		2.2 —2.3	−0.133	+0.230	−0.032	+0.029	1 25—1 30	−0.118	+0.161	+0.199
4		10.1 —10.3	−0.120	+0.242	−0.092	+0.025	2 40—2 45	−0.117	+0.156	+0.190
4		13.4 —13.8	−0.095	+0.268	−0.066	+0.005	10 40—13 10	−0.082	+0.200	+0.198
4	HI.	16.2 —16.6	−0.080	+0.286	−0.016	−0.005	16 55—19 5	−0.072	+0.186	+0.225
4		19.3 —19.8	−0.062	+0.302	+0.014	−0.009	21 35—21 40	−0.070	+0.146	+0.221
4		21.3 —22.0	−0.069	+0.264	+0.026	+0.024				
9	M.	10.9 —11.2	−0.119	+0.264	+0.007	−0.015	11 35—13 45	−0.120	+0.160	+0.206
9		13.9 —14.1	−0.110	+0.268	+0.023	+0.007				
9	HI.	16.7 —17.1	−0.115	+0.229	+0.025	+0.040	17 25—19 10	−0.108	+0.121	+0.204
9		19.4 —19.9	−0.092	+0.250	+0.057	+0.014				
9		0.4 —1.2	−0.118	+0.160	+0.052	+0.030	1 0—2 10	−0.124	+0.065	+0.146
9		2.3 —2.7	−0.133	+0.158	−0.014	+0.033	3 0—3 10	−0.120	+0.111	+0.154
9		2.7 ....	.....	+0.196	.....	.....		
10	P.	1.9 —2.4	−0.114	+0.219	+0.006	+0.011	2 15—2 20	−0.113	+0.132	+0.177
10		2.6 —2.9	−0.104	+0.230	−0.028	+0.060	3 5—3 15	−0.080	+0.148	+0.208
11		10.6 —11.0	−0.089	+0.278	−0.035	−0.032	11 10—13 35	−0.090	+0.201	+0.211
11		13.75—14.3	−0.098	+0.297	−0.025	−0.004				
12	M.	16.4 —16.7	−0.056	+0.296	+0.010	−0.018	16 55—19 30	−0.064	+0.184	+0.228
12		19.8 —20.0	−0.052	+0.311	+0.028	−0.020				
12		0.8 —1.3	−0.071	+0.287	+0.027	−0.025	1 10—2 35	−0.080	+0.175	+0.218
12		2.7 —3.0	−0.079	+0.283	−0.006	+0.007	3 15—3 20	−0.076	+0.180	+0.223
13		10.7 —10.8	−0.104	+0.271	−0.016	−0.048	11 20—13 40	−0.113	+0.188	+0.188
13		13.8 —14.0	−0.108	+0.271	−0.016	−0.034				
13	HI.	16.3 —16.7	−0.115	+0.271	−0.014	−0.009	17 5—19 30	−0.111	+0.169	+0.204
13		19.6 —19.9	−0.099	+0.266	+0.020	−0.011	1 15—2 40	−0.102	+0.127	+0.202
13		0.6 —0.9	−0.085	+0.261	+0.045	+0.001	3 20—3 25	−0.107	+0.118	+0.207
13		2.2 ....	.....	+0.216	.....	.....		
13		2.7 —3.0	−0.117	+0.225	+0.019	+0.056				
14		11.0 —11.4	−0.189	+0.163	−0.026	−0.035	11 12	−0.191	+0.128	+0.106
14		14.4 —14.7	−0.156	+0.207	+0.004	−0.014	14 36	−0.161	+0.128	+0.154
14	P.	16.8 —17.0	−0.154	+0.203	−0.042	+0.002	16 54	−0.136	+0.154	+0.154
14		19.6 —20.0	−0.143	+0.235	−0.025	+0.025	19 54	−0.136	+0.154	+0.193
14		1.0 —1.6	−0.179	+0.186	−0.003	+0.023	1 20—1 25	−0.172	+0.113	+0.156
14		2.9 —3.1	−0.157	+0.189	−0.082	+0.061	3 20—3 30	−0.118	+0.151	+0.171
16	HI.	2.6 —3.2	−0.138	+0.219	+0.001	−0.010	3 0—3 35	−0.141	+0.139	+0.165
17		8.1 —8.4	−0.141	+0.202	−0.085	−0.080	7 50—7 55	−0.140	+0.191	+0.107
17		10.9 —11.2	−0.140	+0.209	−0.095	−0.028	11 40—13 40	−0.128	+0.187	+0.139
17		13.9 —14.2	−0.123	+0.234	−0.036	−0.073	14 6	−0.132	+0.178	+0.140
17		16.3 —16.5	−0.126	+0.248	−0.017	−0.039	16 24	−0.132	+0.178	+0.170
17	P.	1.2 —1.8	−0.151	+0.235	−0.032	+0.005	1 35—1 40	−0.149	+0.164	+0.178
17		2.8 —3.3	−0.170	+0.188	−0.072	−0.024	3 5—3 10	−0.157	+0.163	+0.126
18		11.2 —11.4	−0.177	+0.178	−0.052	−0.054	11 18	−0.167	+0.164	+0.105
18		14.1 —14.5	−0.165	+0.219	−0.058	−0.025	14 18	−0.167	+0.164	+0.151
19	M.	17.3 —18.2	−0.156	+0.236	−0.047	−0.025	16 50—17 55	−0.150	+0.180	+0.165
19		3.4 ....	.....	+0.200	.....	.....	3 40—3 50	−0.152	+0.164	+0.102
20		3.8 —4.0	−0.134	.....	−0.030	−0.098				
20		10.6 —10.7	.....	+0.258	−0.077	−0.128	10 25—10 30	−0.146	+0.232	+0.126
20		11.4 —11.7	−0.118	+0.237	−0.068	−0.112	11 30	−0.130	+0.202	+0.118
20		14.4 —14.6	−0.082	+0.261	−0.029	−0.064	14 30	−0.091	+0.202	+0.166

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_g</i>		<i>c</i>	<i>n</i>	<i>m</i>
1907		h h	s	s	s	s	h m h m	s	s	s
May 20	HL.	16.9 —17.3	-0.087	+0.242	-0.047	-0.005	17 45—19 55	-0.072	+0.178	+0.178
20		20.0 —20.5	-0.062	+0.254	-0.016	-0.038				
20		1.4 —2.0	-0.064	+0.279	+0.015	-0.033	1 45—1 50	-0.077	+0.174	+0.201
20		3.0 —3.2	-0.056	+0.285	-0.039	-0.025	3 35—3 55	-0.052	+0.206	+0.205
21		11.5 —11.75	-0.096	+0.274	-0.075	-0.050	11 15—11 20	-0.090	+0.224	+0.179
21		14.7 —15.0	-0.079	+0.267	-0.048	-0.064	12 10—14 30	-0.086	+0.216	+0.174
21	P.	1.5 —2.1	-0.088	+0.282	-0.035	-0.007	1 50—1 55	-0.081	+0.197	+0.212
21		3.4 —3.6	-0.080	+0.292	-0.075	-0.002	3 50—3 55	-0.061	+0.225	+0.218
23	M.	11.7 —11.8	-0.130	+0.210	-0.051	-0.086	12 10—13 10	-0.138	+0.188	+0.120
23		13.6 —13.8	-0.138	+0.223	-0.075	-0.071				
27	P.	13.5 —13.8	-0.111	+0.218	-0.048	-0.028	14 10—16 20	-0.110	+0.174	+0.145
27		16.5 —17.2	-0.114	+0.222	-0.048	-0.053	16 55—17 0	-0.115	+0.178	+0.141
28	M.	11.7 —12.2	-0.095	+0.245	-0.055	-0.066	12 35—14 40	-0.099	+0.196	+0.154
28		14.9 —15.1	-0.094	+0.252	-0.039	-0.064				
28	P.	17.5 —17.9	-0.123	+0.233	-0.099	-0.022	18 0—20 10	-0.096	+0.212	+0.170
28		20.3 —20.5	-0.100	+0.266	-0.078	-0.039				
28		2.0 —2.6	.....	+0.213	-0.053	-0.028	2 25—2 30	-0.120	+0.169	+0.146
28		3.9 —4.0	-0.133	+0.189	-0.113	+0.017	4 20—4 25	-0.098	+0.178	+0.144
29	M.	17.0 —17.8	-0.127	+0.251	-0.069	-0.057	18 5—20 10	-0.120	+0.198	+0.158
29		20.3 —20.5	-0.115	+0.242	-0.042	-0.051				
30		13.2 —13.4	-0.130	+0.204	-0.040	-0.070	12 25—13 10	-0.138	+0.166	+0.117
June 2	M.	4.0 —4.25	-0.101	+0.249	-0.041	-0.049	4 40—4 45	-0.103	+0.190	+0.164
3		12.6 —12.9	-0.107	+0.229	-0.045	-0.108	12 48	-0.115	+0.205	+0.117
3		15.6 —15.8	-0.120	+0.247	-0.097	-0.043	15 42	-0.115	+0.205	+0.159
3	P.	17.4 —18.0	-0.126	+0.235	-0.080	-0.014	18 5—20 25	-0.106	+0.200	+0.167
3		20.6 —20.8	-0.117	+0.247	-0.077	-0.031				
3		23.7 —0.3	-0.102	+0.279	-0.057	+0.002	0 0—0 5	-0.086	+0.207	+0.212
3		2.6 —3.1	-0.133	+0.235	-0.052	-0.021	2 50—2 55	-0.124	+0.181	+0.167
3		4.3 —4.4	-0.118	+0.213	-0.115	-0.041	4 40—4 50	-0.098	+0.207	+0.131
5	M.	12.9 —13.2	-0.157	+0.222	-0.045	-0.043	13 25—15 25	-0.150	+0.181	+0.148
5		15.5 —15.7	-0.144	+0.235	-0.051	-0.052				
5	P.	1.4 —1.8	-0.094	+0.286	-0.087	-0.054	1 40—1 45	-0.086	+0.239	+0.162
5		2.7 —2.9	-0.120	+0.239	-0.045	-0.036	3 0—3 5	-0.118	+0.182	+0.152
5		4.4 —4.6	-0.159	+0.197	-0.136	+0.022	4 50—5 0	-0.117	+0.194	+0.150
6		12.5 —12.9	-0.154	+0.179	-0.086	-0.077	12 42	-0.141	+0.178	+0.090
6		15.4 —15.7	-0.142	+0.244	-0.100	-0.054	15 36	-0.141	+0.221	+0.151
6	M.	18.0 —18.4	-0.113	+0.264	-0.061	-0.115	18 35—20 35	-0.121	+0.224	+0.138
6		20.7 —20.9	-0.105	+0.256	-0.071	-0.106				
6		2.6 —2.8	-0.101	+0.247	-0.136	-0.084	2 25—2 30	-0.087	+0.250	+0.134
6		4.4 —4.5	-0.121	+0.230	-0.148	-0.083	3 5—3 10	-0.096	+0.248	+0.126
8	P.	13.2 —13.6	-0.148	+0.218	-0.079	-0.078	4 55—5 0	-0.104	+0.245	+0.119
8		16.1 —16.3	-0.131	+0.226	-0.097	-0.071	13 40—16 0	-0.136	+0.204	+0.124
10	M.	5.4 —5.6	-0.145	+0.212	-0.107	-0.143	5 5—5 15	-0.155	+0.224	+0.078
14	M.	16.3 —16.5	-0.092	+0.282	-0.074	-0.125	15 5—16 15	-0.106	+0.246	+0.146
14	P.	18.1 —18.5	-0.115	+0.246	-0.092	-0.065	18 45—21 5	-0.108	+0.236	+0.160
14		21.2 —21.4	-0.115	+0.286	-0.101	-0.076				
14		3.5 —3.9	-0.116	+0.235	-0.116	-0.090	3 45—3 50	-0.109	+0.232	+0.123
14		5.0 —5.2	-0.135	+0.235	-0.084	-0.060	5 30—5 35	-0.137	+0.207	+0.133
15		6.9 —7.3	-0.168	+0.206	-0.097	-0.102	7 5—7 10	-0.169	+0.207	+0.096
15		13.5 —13.9	-0.167	+0.214	-0.072	-0.091	14 5—16 25	-0.174	+0.192	+0.112
15		16.5 —16.8	-0.182	+0.200	-0.089	-0.067				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1907		h h	s	°	s	s	h m h m	°	s	s
June 16	M.	18.3 — 18.7	−0.179	+0.168	−0.139	−0.126	18 50—21 10	−0.178	+0.212	+0.059
16		21.3 — 21.5	−0.166	+0.203	−0.095	−0.153				
16		3.5 — 4.1	−0.177	+0.138	−0.188	−0.054	3 55—4 0	−0.153	+0.196	+0.050
16		5.0 — 5.2	−0.197	+0.175	−0.131	−0.163	5 35—5 45	−0.206	+0.218	+0.037
17		10.5 — 10.7	−0.206	+0.125	−0.119	−0.157	10 55—11 0	−0.216	+0.179	+0.002
17		15.1 — 15.4	−0.194	+0.158	−0.109	−0.138	16 0—17 35	−0.204	+0.196	+0.038
17		17.6 — 17.8	−0.188	+0.174	−0.098	−0.167				
17	P.	18.4 — .....	.....	+0.170	.....	.....	18 24	−0.197	+0.202	+0.038
17		21.0 — 21.2	−0.190	+0.187	−0.120	−0.114	21 6	−0.197	+0.202	+0.074
17		3.7 — 4.2	−0.203	+0.145	−0.131	−0.095	4 0—4 5	−0.193	+0.185	+0.050
18	M.	5.1 — 5.3	−0.173	+0.162	−0.100	−0.166	5 45—7 35	−0.190	+0.203	+0.029
19		7.7 — 7.8	−0.187	+0.159	−0.142	−0.150				
19	P.	18.25—18.7	−0.188	+0.171	−0.094	−0.101	19 15—21 25	−0.188	+0.187	+0.062
19		21.6 — 21.8	−0.188	+0.162	−0.117	−0.110				
19		4.3 — 4.5	−0.176	+0.138	−0.120	−0.124	4 10—4 15	−0.177	+0.181	+0.030
19		5.5 — .....	.....	+0.149	.....	.....		
20		6.1 — 6.2	−0.179	.....	−0.133	−0.117	5 50—5 55	−0.175	+0.193	+0.040
20		13.8 — 14.2	−0.222	+0.110	−0.105	−0.041	13 25—13 30	−0.205	+0.137	+0.053
20		16.9 — 17.05	−0.200	+0.136	−0.077	−0.078	14 30—16 45	−0.202	+0.142	+0.055
20	M.	4.1 — 4.5	−0.179	+0.124	−0.095	−0.095	4 15—4 20	−0.179	+0.152	+0.036
20		5.4 — 5.5	−0.193	+0.110	−0.097	−0.142	5 55—6 0	−0.205	+0.155	+0.001
21		13.9 — 14.0	−0.213	+0.096	−0.082	−0.125	14 20—16 45	−0.231	+0.132	+0.006
21		16.8 — 17.0	−0.222	+0.106	−0.065	−0.122				
21	P.	18.6 — 19.0	−0.212	+0.113	−0.080	−0.095	19 10—21 35	−0.210	+0.138	+0.030
21		21.7 — 21.9	−0.207	+0.108	−0.097	−0.083				
21		3.8 — 4.2	−0.205	+0.078	−0.065	−0.053	4 20—4 25	−0.202	+0.097	+0.026
21		5.4 — 5.6	−0.220	+0.117	−0.052	−0.043	5 55—6 5	−0.218	+0.112	+0.063
22		14.2 — 14.5	−0.234	+0.086	−0.085	−0.062	14 40—17 15	−0.224	+0.120	+0.040
22		17.3 — 17.4	−0.224	+0.114	−0.074	−0.053				
23	P.	14.1 — 14.5	−0.217	+0.082	−0.063	−0.073	14 40—17 10	−0.216	+0.110	+0.030
23		17.3 — 17.5	−0.216	+0.104	−0.066	−0.060				
23	M.	5.7 — .....	.....	+0.078	.....	.....		
24		6.8 —	−0.223	.....	−0.092	−0.091	6 5—6 10	−0.223	+0.121	+0.003
24		8.2 — 8.3	−0.210	+0.137	−0.083	−0.106	7 55—8 0	−0.216	+0.154	+0.042
24		14.1 — 14.3	−0.190	+0.147	−0.063	−0.146	14 45—16 30	−0.215	+0.161	+0.037
24		16.7 — 16.9	−0.213	+0.141	−0.090	−0.109	17 25—17 30	−0.219	+0.156	+0.045
24	HI.	17.9 — 18.4	−0.213	+0.136	−0.074	−0.099	18 45—21 0	−0.216	+0.150	+0.056
24		21.2 — 21.5	−0.197	+0.162	−0.048	−0.104				
24		4.3 — 4.5	−0.207	+0.107	−0.095	−0.074	4 35—4 40	−0.202	+0.135	+0.034
24		5.5 — 5.7	−0.196	+0.096	−0.065	−0.075	6 10—6 15	−0.199	+0.112	+0.028
25	P.	18.8 — 19.0	−0.245	+0.106	−0.117	−0.088	18 35—18 40	−0.238	+0.150	+0.024
25		21.7 — 21.9	−0.225	+0.136	−0.100	−0.092	19 40—21 30	−0.230	+0.156	+0.036
25		5.8 — 5.9	−0.223	+0.085	−0.100	−0.026	6 15—6 20	−0.204	+0.114	+0.041
26	HI.	18.5 — 18.9	−0.207	+0.136	−0.079	−0.098	18 42	−0.212	+0.160	+0.052
26		21.4 — 21.7	−0.165	+0.162	−0.074	−0.116	21 30	−0.176	+0.160	+0.052
26		5.9 — 6.0	−0.175	+0.160	−0.142	−0.095				
27		14.2 — 14.5	−0.177	+0.157	−0.090	−0.108	15 5—17 15	−0.191	+0.178	+0.060
27		17.4 — 17.7	−0.201	+0.163	−0.106	−0.101				
27	P.	18.9 — 19.3	−0.181	+0.186	−0.126	−0.123	19 25—21 55	−0.187	+0.204	+0.076
27		22.1 — 22.3	−0.191	+0.191	−0.092	−0.104				
27		4.5 — 4.65	−0.178	+0.147	−0.168	−0.129	4 50—4 55	−0.174	+0.211	+0.030
27		5.8 — 6.0	−0.187	+0.148	−0.155	−0.131	6 20—6 30	−0.181	+0.208	+0.030

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.				Adopted.		
			c	b	a _n	a _s					c	n	m
1907													
June 30	P.	^h 19.4— ^h 19.8	^s -0.171	^s +0.208	^m -0.134	^s -0.166	^h 19 5— ^h 19 10	^s -0.180	^s +0.242	^s +0.061			
30		22.3—22.5	-0.172	+0.207	-0.150	-0.163	19 55—22 10	-0.178	+0.246	+0.061			
30		23.9—0.1	-0.168	+0.210	-0.149	-0.171	23 45—23 50	-0.174	+0.252	+0.059			
30		4.8—5.3	-0.181	+0.219	-0.162	-0.121							
30		6.1—6.3	-0.209	+0.175	-0.162	-0.154	5 5—5 10	-0.170	+0.254	+0.090			
July 1		8.6—8.8	-0.216	+0.142	-0.204	-0.160	6 12	-0.206	+0.236	+0.039			
2	P.	1.0—1.6	-0.187	+0.138	-0.134	-0.134	8 42	-0.206	+0.236	+0.006			
2		6.4—6.5	-0.184	.....	-0.142	-0.159	1 25—1 30	-0.187	+0.191	+0.023			
3		6.9 .....	.....	+0.155	.....	.....	6 40—6 50	-0.188	+0.212	+0.023			
3		15.4—15.8	-0.184	+0.158	-0.184	-0.153							
3		18.5—18.8	-0.177	+0.174	-0.148	-0.162	16 5—18 20	-0.178	+0.232	+0.030			
3		21.1—21.4	-0.183	+0.192	-0.160	-0.145	19 0—21 0	-0.180	+0.234	+0.046			
3		1.8—2.4	-0.174	+0.182	-0.126	-0.169	2 10—2 15	-0.186	+0.222	+0.039			
4	HI.	19.5—19.9	-0.161	+0.179	-0.154	-0.166	19 42	-0.171	+0.235	+0.034			
4		22.3—22.6	-0.164	+0.165	-0.110	-0.164	22 24	-0.171	+0.202	+0.034			
4		3.2—3.4	-0.164	+0.187	-0.131	-0.163	3 0—3 5	-0.172	+0.226	+0.046			
4		5.3—5.8	-0.165	+0.187	-0.139	-0.199	5 30—5 35	-0.176	+0.232	+0.036			
4		6.2—6.4	-0.167	+0.171	-0.141	-0.172	6 50—7 0	-0.176	+0.223	+0.028			
5		16.4—16.8	-0.195	+0.129	-0.158	-0.149	17 5—18 35	-0.190	+0.206	+0.012			
5		18.9—19.1	-0.172	+0.161	-0.124	-0.175							
5	M.	22.1—22.3	-0.183	+0.163	-0.149	-0.169	19 30—22 0	-0.187	+0.216	+0.022			
5		3.9—4.1	-0.177	+0.179	-0.121	-0.195	3 50—3 55	-0.196	+0.223	+0.025			
5		5.2 .....	.....	+0.183	.....	.....	5 30—5 35	-0.188	+0.232	+0.020			
5		6.2—6.3	-0.182	+0.139	-0.177	-0.171	6 55—7 0	-0.180	+0.223	0.000			
6		14.8—15.0	-0.207	+0.097	-0.141	-0.179							
7	HI.	19.2—19.7	-0.217	+0.106	-0.100	-0.162	18 55—19 0	-0.234	+0.157	-0.014			
7		22.6—22.9	-0.225	+0.124	-0.136	-0.155	19 30	-0.232	+0.157	-0.007			
7		5.5—5.9	-0.205	+0.149	-0.159	-0.124	22 48	-0.232	+0.188	-0.007			
7		6.4—6.6	-0.225	+0.095	-0.129	-0.120	5 45—5 50	-0.195	+0.210	+0.035			
8		15.4—15.7	-0.252	+0.072	-0.126	-0.117	7 5—7 10	-0.223	+0.157	-0.003			
8		18.3—18.5	-0.235	+0.116	-0.076	-0.124	15 36	-0.249	+0.142	-0.019			
8							18 30	-0.249	+0.142	+0.017			
8	M.	19.7—20.0	-0.229	+0.114	-0.103	-0.147	20 20—22 50	-0.244	+0.162	+0.006			
8		22.9—23.1	-0.235	+0.125	-0.097	-0.143							
12	HI.	19.4—20.0	-0.200	+0.193	-0.155	-0.198	20 25—21 30	-0.206	+0.258	+0.021			
12		21.8—22.1	-0.184	+0.190	-0.169	-0.226							
12		6.7—7.0	-0.191	+0.130	-0.161	-0.202	7 25—7 30	-0.202	+0.217	-0.021			
14	HI.	17.0—17.5	-0.224	+0.096	-0.158	-0.203	17 18	-0.228	+0.192	-0.048			
14		19.3—19.6	-0.210	+0.123	-0.138	-0.170	19 30	-0.228	+0.192	-0.008			
15		11.7—11.9	-0.202	+0.136	-0.136	-0.166	11 30—11 35	-0.210	+0.197	+0.005			
16	M.	12.1—12.5	-0.198	+0.130	-0.159	-0.227	12 15—12 20	-0.216	+0.220	-0.034			
16		16.1—16.5	-0.234	+0.115	-0.174	-0.191	16 50—19 35	-0.238	+0.204	-0.022			
16		19.6—19.8	-0.229	+0.120	-0.146	-0.182							
16	HI.	22.8—23.1	-0.211	+0.147	-0.120	-0.152	19 42	-0.230	+0.195	-0.017			
17							23 0	-0.230	+0.195	+0.022			
17	M.	6.3—6.8	.....	+0.100	-0.142	-0.191	6 35—6 40	-0.234	+0.189	-0.031			
17		7.2—7.4	-0.215	+0.139	-0.124	-0.167	7 45—7 50	-0.227	+0.194	+0.007			
18	HI.	6.9—7.5	-0.241	+0.078	-0.074	-0.128	7 45—7 55	-0.255	+0.119	-0.013			
19	M.	15.5—15.8	-0.230	+0.107	-0.123	-0.160	14 50—14 55	-0.240	+0.172	-0.013			
19		18.1—18.3	-0.218	+0.142	-0.107	-0.179	16 5—17 40	-0.238	+0.180	-0.004			
20	M.	16.3—16.5	-0.247	+0.101	-0.111	-0.131	15 50—15 55	-0.252	+0.154	-0.001			
20		18.9—19.1	-0.254	+0.120	-0.130	-0.129	16 5—18 40	-0.253	+0.165	+0.005			

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1907		h h	s	s	s	s	h m h m	s	s	s
July 21	HI.	16.3—17.2	-0.220	+0.124	-0.152	-0.169	17 25—19 40	-0.223	+0.195	+0.002
21		19.9—20.2	-0.221	+0.130	-0.139	-0.144				
21	M.	21.0—21.3	-0.220	+0.147	-0.147	-0.175	21 12	-0.215	+0.213	+0.021
21		23.9—0.2	-0.197	+0.200	-0.176	-0.198	0 0	-0.215	+0.267	+0.021
21		7.4—7.6	-0.213	+0.138	-0.186	-0.188	7 0—8 5	-0.214	+0.231	-0.010
22	HI.	21.3—21.8	-0.213	+0.168	-0.198	-0.214	22 10—23 20	-0.224	+0.258	0.000
22		23.6—23.8	-0.231	+0.161	-0.194	-0.198				
22		7.2—7.5	-0.216	+0.149	-0.172	-0.139	7 5—8 10	-0.207	+0.220	+0.025
23		15.3—15.6	-0.229	+0.104	-0.140	-0.143	16 15—19 0	-0.242	+0.178	+0.004
23		18.5—19.3	-0.261	+0.120	-0.144	-0.117	19 5—19 10	-0.242	+0.181	+0.018
23	P.	19.6—19.7	.....	.....	-0.205	-0.108	19 39	-0.232	+0.228	+0.024
23		22.3—22.6	-0.232	+0.191	-0.211	-0.216	22 24	-0.232	+0.285	+0.024
23		7.0—7.6	-0.235	+0.157	-0.236	-0.098	7 10—8 15	-0.198	+0.252	+0.046
24	P.	6.9 .....	.....	+0.080	.....	.....	7 15—8 20	-0.223	+0.176	-0.006
24		7.5—7.7	-0.252	+0.074	-0.194	-0.086				
25	M.	16.1—16.5	-0.243	+0.083	-0.175	-0.205	16 18	-0.252	+0.202	-0.061
25		19.6—19.7	-0.245	+0.121	-0.165	-0.192	19 42	-0.252	+0.202	-0.023
25	HI.	20.8—21.1	-0.232	+0.139	-0.162	-0.172	21 20—23 55	-0.231	+0.214	+0.007
25		0.0—0.3	-0.220	+0.151	-0.145	-0.172				
26		15.6—16.0	-0.219	+0.109	-0.154	-0.169	15 48	-0.223	+0.204	-0.020
26		18.8—19.3	-0.220	+0.150	-0.155	-0.166	19 6	-0.223	+0.204	+0.014
26	P.	21.6—22.0	-0.202	+0.161	-0.203	-0.166	21 48	-0.192	+0.250	+0.008
26		0.5—0.7	-0.197	+0.198	-0.261	-0.243	0 36	-0.192	+0.323	+0.008
26		7.2 .....	.....	+0.183	.....	.....	7 25—8 25	-0.163	+0.261	+0.033
26		7.8—7.9	-0.178	+0.165	-0.210	-0.153				
27		15.8—16.2	-0.243	+0.080	-0.218	-0.172	16 0	-0.224	+0.210	-0.050
27		19.2—19.4	-0.210	+0.156	-0.177	-0.200	19 18	-0.224	+0.240	-0.001
27	HI.	23.6—23.9	-0.177	+0.216	-0.151	-0.209	23 20—23 25	-0.192	+0.266	+0.043
29	M.	15.9—16.4	-0.203	+0.158	-0.184	-0.190	17 10—20 5	-0.206	+0.254	+0.011
29		19.5—19.7	-0.199	+0.187	-0.181	-0.209				
29	HI.	21.8—22.3	-0.186	+0.193	-0.155	-0.211	22 35—0 35	-0.204	+0.258	+0.026
29		0.7—1.3	-0.190	+0.203	-0.152	-0.218	1 5—1 10	-0.208	+0.261	+0.029
29		7.5 .....	.....	+0.184	.....	.....	7 40—8 40	-0.184	+0.246	+0.012
29		7.8—8.2	-0.179	+0.155	-0.174	-0.194				
30	M.	15.9—16.2	-0.220	+0.082	-0.153	-0.172	16 30—17 25	-0.230	+0.180	-0.032
30		17.4—17.6	-0.231	+0.104	-0.151	-0.165				
30	HI.	20.7—21.0	-0.220	+0.119	-0.152	-0.168	18 15—20 30	-0.230	+0.191	-0.016
30	P.	21.7—22.1	-0.246	+0.094	-0.188	-0.160	21 54	-0.228	+0.198	-0.030
30		0.9—1.2	-0.223	+0.184	-0.219	-0.199	1 0	-0.228	+0.282	+0.016
30		2.1—2.25	-0.220	+0.191	-0.206	-0.197	1 55—2 0	-0.218	+0.278	+0.023
30		7.5—8.0	-0.211	+0.139	-0.180	-0.192	7 45—8 45	-0.214	+0.247	+0.009
30		8.1 .....	.....	+0.190	.....	.....		
31		16.1—16.6	-0.253	+0.067	-0.255	-0.200	16 24	-0.230	+0.228	-0.079
31		19.5—19.75	-0.233	+0.120	-0.206	-0.165	19 36	-0.230	+0.228	-0.015
Aug. 1	HI.	21.5—21.9	-0.218	+0.140	-0.163	-0.200	22 10—0 25	-0.221	+0.230	-0.004
1		0.6—0.9	-0.216	+0.149	-0.184	-0.176				
1		3.7—4.0	-0.216	+0.141	-0.159	-0.156	3 35—3 40	-0.215	+0.212	+0.011
1		7.7 .....	.....	+0.139	.....	.....	7 55—8 50	-0.213	+0.207	+0.003
1		8.1—8.5	-0.217	+0.118	-0.168	-0.152				
2	P.	21.9—22.3	-0.229	+0.139	-0.189	-0.189	22 35—23 50	-0.232	+0.244	-0.010
2		23.3—23.5	-0.248	+0.141	-0.226	-0.182				
2		4.2—4.5	-0.241	+0.149	-0.195	-0.140	4 25—4 30	-0.226	+0.234	+0.022
2		8.2—8.3	-0.237	+0.123	-0.226	-0.156	8 45—8 55	-0.218	+0.238	-0.010

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1907		h h	s	s	s	s	h m h m	s	h	s
Aug. 4	HI.	21.9 —22.3	−0.186	+0.175	−0.196	−0.160	22 35—23 30	−0.183	+0.244	+0.030
4		23.8 — 0.0	−0.189	+0.171	−0.162	−0.166				
5	P.	8.0 —	−	+0.095	−	−	8 15— 8 20	−0.212	+0.243	−0.018
5		8.5 — 8.6	−0.242	+0.124	−0.255	−0.145				
6		16.3 —16.7	−0.226	+0.098	−0.185	−0.187	16 55—19 30	−0.224	+0.208	−0.029
6		19.7 —19.8	−0.224	+0.117	−0.179	−0.169				
6	HI.	23.0 —23.4	−0.203	+0.153	−0.180	−0.174	20 20—22 50	−0.211	+0.222	−0.003
6		8.5 — 8.7	−0.197	+0.166	−0.175	−0.168	9 0— 9 10	−0.195	+0.240	+0.023
7		17.2 —17.6	−0.221	+0.107	−0.188	−0.205	18 0—20 30	−0.226	+0.216	−0.032
7		20.8 —21.0	−0.225	+0.121	−0.177	−0.185				
7	P.	22.6 —23.0	−0.244	+0.111	−0.217	−0.132	23 5— 1 30	−0.222	+0.226	0.000
7		1.5 — 1.7	−0.235	+0.137	−0.203	−0.151				
7		7.5 — 7.8	−0.255	+0.085	−0.268	−0.122	8 25— 8 30	−0.238	+0.224	−0.036
7		8.7 — 8.8	−0.245	+0.103	−0.197	−0.200	9 5— 9 15	−0.246	+0.218	−0.045
8		16.4 —16.8	−0.275	+0.039	−0.236	−0.174	16 36	−0.252	+0.199	−0.085
8		19.7 —19.9	−0.256	+0.096	−0.196	−0.161	19 48	−0.252	+0.199	−0.030
11	HI.	22.2 —22.6	−0.208	+0.136	−0.187	−0.174	22 55— 1 15	−0.205	+0.224	−0.001
11		1.4 — 1.7	−0.196	+0.151	−0.154	−0.185				
11		8.9 — 9.1	−0.206	−	−0.166	−0.171	9 20— 9 30	−0.207	+0.243	+0.033
11		9.2 —	−	+0.180	−	−				
12		16.4 —16.7	−0.232	+0.083	−0.240	−0.210	16 36	−0.226	+0.227	−0.070
12		20.0 —20.3	−0.221	+0.117	−0.184	−0.207	20 12	−0.226	+0.227	−0.037
12	P.	23.1 —23.4	−0.242	+0.104	−0.204	−0.141	23 35— 1 55	−0.226	+0.212	−0.008
12		2.0 — 2.25	−0.247	+0.111	−0.206	−0.130				
12		7.7 — 7.9	−0.238	+0.086	−0.223	−0.115	8 50— 8 55	−0.216	+0.234	+0.035
12		9.1 — 9.2	−0.248	+0.164	−0.206	−0.110				
13		16.6 —17.0	−0.251	+0.075	−0.200	−0.127	16 48	−0.229	+0.187	−0.022
13		19.8 —20.0	−0.244	+0.116	−0.220	−0.151	19 54	−0.229	+0.229	−0.022
13	HI.	22.1 —22.6	−0.213	+0.163	−0.185	−0.150	22 18	−0.205	+0.239	+0.037
13		1.4 — 1.8	−0.201	+0.216	−0.175	−0.197	1 36	−0.205	+0.277	+0.037
13		8.9 — 9.2	−0.207	+0.172	−0.233	−0.182	9 30— 9 35	−0.193	+0.279	+0.014
14		13.1 —13.9	−0.187	+0.136	−0.211	−0.233	13 40—13 45	−0.193	+0.255	−0.038
14		16.3 —16.6	−0.211	+0.127	−0.210	−0.196	16 30	−0.198	+0.234	−0.025
14		18.8 —19.1	−0.204	+0.132	−0.202	−0.146	19 0	−0.198	+0.234	+0.005
14	P.	23.3 —23.7	−0.220	+0.163	−0.205	−0.183	23 45— 2 5	−0.203	+0.262	+0.020
14		2.1 — 2.4	−0.200	+0.185	−0.204	−0.174				
14		7.8 — 8.05	−0.200	+0.145	−0.243	−0.131	8 20— 9 5	−0.180	+0.248	+0.010
14		9.2 — 9.5	−0.198	+0.146	−0.201	−0.172	9 35— 9 40	−0.191	+0.241	+0.002
15		14.1 —14.3	−0.218	+0.130	−0.243	−0.200	14 30—14 35	−0.206	+0.262	−0.029
15		16.6 —17.0	−0.196	+0.142	−0.236	−0.214	17 20—20 30	−0.189	+0.278	−0.015
15		19.5 —19.7	−0.197	+0.169	−0.243	−0.209				
16	P.	8.2 — 8.4	−0.236	+0.098	−0.301	−0.138	8 30— 9 15	−0.202	+0.250	−0.021
16		9.0 — 9.4	−0.246	+0.105	−0.262	−0.129				
18	P.	17.7 —18.1	−0.267	+0.062	−0.218	−0.129	17 25—17 30	−0.244	+0.189	−0.042
18		19.15—19.4	−0.269	+0.091	−0.223	−0.165	18 15—19 5	−0.249	+0.204	−0.041
18	HI.	22.7 —23.2	−0.217	+0.142	−0.189	−0.173	23 45— 2 5	−0.199	+0.236	+0.010
18		2.3 — 2.6	−0.182	+0.170	−0.168	−0.181				
18		8.9 — 9.3	−0.179	+0.149	−0.177	−0.185	8 40— 8 45	−0.181	+0.233	0.000
18		9.4 — 9.5	−	+0.140	−0.209	−0.200	9 50— 9 55	−0.175	+0.248	−0.018
19		16.8 —17.2	−0.198	+0.107	−0.235	−0.220	18 30—18 35	−0.198	+0.247	−0.056
19		18.8 —19.0	−0.216	+0.098	−0.253	−0.202				
19	P.	8.6 — 9.0	−0.232	+0.091	−0.234	−0.148	8 50— 8 55	−0.209	+0.221	−0.031
19		9.3 — 9.6	−0.219	+0.115	−0.187	−0.180	9 50—10 0	−0.217	+0.216	−0.025
20		16.8 —17.1	−0.234	+0.094	−0.209	−0.167	17 0	−0.220	+0.218	−0.036
20		20.1 —20.3	−0.230	+0.123	−0.204	−0.157	20 12	−0.220	+0.218	−0.007

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1907		h h	s	s	s	s	h m h m	s	s	s
Aug. 20	HI.	23.0 —23.5	−0.223	+0.131	−0.203	−0.164	23 12	−0.213	+0.234	−0.006
20		2.3 —2.5	−0.217	+0.171	−0.168	−0.158	2 24	−0.213	+0.234	+0.033
20		9.1 —9.4	−0.202	+0.168	−0.149	−0.147	8 55—9 0	−0.201	+0.221	+0.038
20		9.5 —9.6	.....	+0.147	−0.157	−0.168	9 55—10 0	−0.208	+0.216	+0.010
22	P.	17.0 —17.35	−0.232	+0.111	−0.288	−0.217	17 12	−0.214	+0.270	−0.057
22		19.2 —19.4	−0.216	+0.149	−0.218	−0.210	19 18	−0.214	+0.270	−0.017
22		21.5 —22.2	−0.213	+0.158	−0.231	−0.158	21 50—21 55	−0.194	+0.262	+0.016
23	P.	9.1 —9.6	−0.210	+0.127	−0.246	−0.151	9 20—9 25	−0.184	+0.249	−0.006
24		23.6 —0.2	−0.219	+0.144	−0.210	−0.167	23 45—23 50	−0.207	+0.244	+0.003
24		2.75—3.0	−0.218	+0.131	−0.215	−0.210	0 25—2 35	−0.212	+0.246	−0.014
25	HI.	22.0 —22.6	−0.194	+0.172	−0.199	−0.204	23 0—1 30	−0.197	+0.258	+0.008
25		1.7 —2.1	−0.200	+0.165	−0.191	−0.187				
25		8.3 —10.0	−0.179	+0.156	−0.216	−0.196	9 35—10 20	−0.173	+0.267	−0.008
26		10.0 —10.1	.....	.....	−0.227	−0.213				
26		17.0 —17.3	−0.197	+0.109	−0.210	−0.194	17 40—20 10	−0.196	+0.236	−0.028
26		20.4 —20.7	−0.193	+0.145	−0.192	−0.210				
26	P.	0.3 —0.7	−0.211	+0.147	−0.209	−0.148	0 30	−0.198	+0.240	+0.005
26		3.2 —3.4	−0.204	+0.181	−0.241	−0.229	3 18	−0.198	+0.299	+0.005
28	HI.	10.5 —10.8	−0.191	+0.148	−0.269	−0.186	10 20—10 30	−0.168	+0.284	−0.011
28	M.	3.5 —3.8	−0.182	+0.194	−0.180	−0.193	3 15—3 20	−0.185	+0.265	+0.032
28		9.3 —9.7	−0.189	+0.126	−0.285	−0.186	9 55—10 15	−0.160	+0.284	−0.029
29		10.6 —10.8	.....	+0.144	−0.271	−0.213				
29		17.3 —17.7	−0.175	+0.130	−0.226	−0.242	17 50—20 10	−0.190	+0.266	−0.038
29		20.2 —20.4	−0.193	+0.158	−0.214	−0.242				
29	HI.	23.5 —0.5	−0.175	+0.177	−0.183	−0.217	0 10—3 5	−0.188	+0.252	+0.016
29		3.2 —3.5	−0.187	+0.178	−0.159	−0.183	4 5—4 10	−0.193	+0.241	+0.027
29		9.6 —10.2	−0.178	+0.164	−0.230	−0.169				
30		17.2 —17.5	−0.199	+0.129	−0.199	−0.200	17 55—20 45	−0.200	+0.242	−0.021
30		20.9 —21.2	−0.202	+0.142	−0.204	−0.199				
30	M.	0.7 —1.1	−0.193	+0.178	−0.214	−0.213	1 15—3 20	−0.196	+0.292	+0.002
30		3.6 —3.8	−0.200	+0.192	−0.236	−0.235	4 55—5 0	−0.195	+0.287	+0.005
30		5.1 —5.2	−0.192	+0.187	−0.215	−0.226				
30		9.8 —10.2	−0.194	+0.161	−0.245	−0.142	10 30—10 40	−0.166	+0.270	+0.025
31		17.6 —17.8	−0.209	+0.126	−0.259	−0.177	17 50—20 20	−0.192	+0.264	−0.019
31		20.4 —20.6	−0.203	+0.148	−0.227	−0.204				
31		5.4 —5.6	−0.162	+0.256	−0.241	−0.208	5 50—5 55	−0.153	+0.340	+0.065
Sept. 4	M.	10.3 —10.4	−0.211	+0.141	−0.227	−0.225	10 50—10 55	−0.210	+0.265	−0.032
5	HI.	22.4 —22.8	−0.197	+0.168	−0.172	−0.223	23 15—1 0	−0.212	+0.250	−0.009
5		1.2 —1.5	−0.209	+0.149	−0.194	−0.210				
5		10.3 —10.6	−0.217	+0.129	−0.219	−0.189	10 55—11 0	−0.209	+0.245	−0.021
6		17.1 —17.6	−0.183	+0.133	−0.192	−0.223	18 15—20 10	−0.198	+0.245	−0.022
6		20.3 —20.6	−0.206	+0.146	−0.207	−0.195				
6	M.	1.2 —1.6	−0.201	+0.190	−0.220	−0.213	1 45—3 55	−0.196	+0.301	+0.018
6		4.0 —4.2	−0.190	+0.216	−0.226	−0.234				
6		10.3 —10.5	−0.195	+0.156	−0.279	−0.193	10 55—11 5	−0.172	+0.296	−0.009
7		17.6 —17.9	−0.196	+0.130	−0.245	−0.256	18 15—20 20	−0.196	+0.287	−0.050
7		20.4 —20.6	−0.197	+0.153	−0.266	−0.253				
9	M.	10.6 —10.8	−0.199	+0.178	−0.185	−0.232	11 10—11 15	−0.212	+0.266	−0.003
10		18.3 —18.5	−0.220	+0.109	−0.198	−0.214	18 35—19 15	−0.234	+0.218	−0.042
10		20.2 —20.4	−0.243	+0.105	−0.183	−0.190				
10	HI.	0.6 —0.9	−0.226	+0.125	−0.175	−0.189	1 15—2 40	−0.228	+0.216	−0.012
10		2.9 —3.2	−0.239	+0.117	−0.193	−0.143				
11		17.5 —17.9	−0.239	+0.120	−0.191	−0.161	17 42	−0.226	+0.217	−0.004
11		21.0 —21.5	−0.224	+0.171	−0.213	−0.206	21 18	−0.226	+0.272	−0.004

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.				Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>					<i>c</i>	<i>n</i>	<i>m</i>
1907		<i>h m h m</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>h m h m</i>	<i>s</i>	<i>s</i>	<i>s</i>			
Sept. 11	M.	1.5—1.9	-0.197	+0.187	-0.197	-0.206	2 10—4 25	-0.192	+0.270	+0.030			
11		4.5—4.8	-0.178	+0.207	-0.167	-0.194							
12		10.8—11.0	-0.176	+0.185	-0.175	-0.197	11 15—11 20	-0.182	+0.257	+0.022			
12		14.8—14.9	-0.214	+0.092	-0.198	-0.176	15 10—15 20	-0.208	+0.207	-0.041			
12		17.9—18.2	-0.207	+0.105	-0.220	-0.191	18 30—20 55	-0.204	+0.244	-0.035			
12		20.9—21.1	-0.212	+0.137	-0.224	-0.211							
12	HI.	0.8—1.8	-0.199	+0.159	-0.178	-0.180	1 25—4 20	-0.201	+0.240	+0.018			
12		4.4—4.8	-0.196	+0.178	-0.161	-0.186							
12		10.8—11.1	-0.203	+0.157	-0.252	-0.162	11 20—11 50	-0.178	+0.270	+0.013			
13		11.5—12.0	-0.185	+0.171	-0.209	-0.184							
13		16.4—16.7	-0.187	+0.133	-0.189	-0.255	16 5—16 10	-0.204	+0.246	-0.049			
13		17.6—17.9	-0.210	+0.155	-0.266	-0.220	17 48	-0.198	+0.295	-0.026			
13		21.0—21.2	-0.198	+0.134	-0.214	-0.216	21 6	-0.198	+0.251	-0.026			
13	P.	1.5—2.0	-0.207	+0.208	-0.190	-0.180	2 5—4 35	-0.210	+0.265	+0.036			
13		4.7—4.9	-0.220	+0.174	-0.188	-0.177							
13		11.0—11.2	-0.213	+0.234	-0.178	-0.193	11 6	-0.206	+0.292	+0.062			
14		12.0—12.25	-0.207	+0.177	-0.248	-0.204	12 12	-0.206	+0.292	+0.005			
14		16.8—17.3	-0.234	+0.098	-0.255	-0.191	17 5—17 10	-0.217	+0.245	-0.051			
14		18.1—18.3	-0.232	+0.096	-0.272	-0.226	18 12	-0.218	+0.256	-0.072			
14		21.0—21.2	-0.221	+0.126	-0.228	-0.203	21 6	-0.218	+0.256	-0.033			
15	HI.	18.0—18.4	-0.251	+0.053	-0.232	-0.210	18 10—18 15	-0.245	+0.209	-0.093			
15		22.0—22.4	-0.208	+0.124	-0.230	-0.208	18 24	-0.245	+0.212	-0.090			
15							22 12	-0.204	+0.252	-0.037			
15	M.	1.8—2.2	-0.223	+0.145	-0.193	-0.223	2 25—4 15	-0.225	+0.248	-0.014			
15		4.4—4.6	-0.225	+0.147	-0.209	-0.185							
15		11.1—11.2	-0.233	+0.128	-0.221	-0.194	11 30—11 35	-0.226	+0.247	-0.026			
16		18.1—18.3	-0.234	+0.091	-0.255	-0.242	18 12	-0.222	+0.259	-0.083			
16		21.2—21.4	-0.224	+0.132	-0.246	-0.211	21 18	-0.222	+0.259	-0.033			
16	HI.	22.9—23.2	-0.229	+0.111	-0.209	-0.214	23 0	-0.227	+0.240	-0.047			
16		2.0—2.3	-0.222	+0.150	-0.194	-0.200	2 6	-0.227	+0.240	-0.009			
17		11.9—12.3	-0.223	+0.138	-0.159	-0.160	11 35—11 40	-0.223	+0.211	+0.007			
20	P.	18.1—18.4	-0.244	+0.084	-0.197	-0.173	18 40—21 5	-0.240	+0.204	-0.056			
20		21.2—21.6	-0.245	+0.078	-0.206	-0.197	21 20—21 25	-0.243	+0.207	-0.065			
20		0.5—0.7	-0.223	+0.120	-0.204	-0.194	21 24	-0.232	+0.220	-0.065			
20							0 36	-0.232	+0.220	-0.029			
20	M.	11.3—11.5	-0.252	+0.182	-0.201	-0.168	11 24	-0.238	+0.249	+0.033			
21		12.3—12.8	-0.252	+0.121	-0.226	-0.151	12 36	-0.238	+0.249	-0.008			
21		18.2—18.5	-0.238	+0.133	-0.226	-0.219	18 24	-0.242	+0.255	-0.034			
21		21.2—21.3	-0.248	+0.107	-0.238	-0.237	21 18	-0.242	+0.255	-0.066			
21	P.	23.9—0.5	-0.233	+0.118	-0.170	-0.192	21 18	-0.244	+0.252	-0.066			
21							0 12	-0.244	+0.211	-0.027			
21	HI.	2.9—3.2	-0.229	+0.133	-0.175	-0.195	0 45—2 45	-0.236	+0.218	-0.022			
23	M.	18.7—18.9	-0.196	+0.205	-0.205	-0.212	19 20—21 35	-0.197	+0.287	+0.024			
23		21.8—22.0	-0.192	+0.200	-0.199	-0.216							
23	HI.	2.2—2.6	-0.189	+0.213	-0.182	-0.186	2 0—2 5	-0.190	+0.276	+0.049			
23		4.7—5.1	-0.194	+0.202	-0.153	-0.192	3 5—4 35	-0.198	+0.265	+0.045			
23		11.5—11.7	-0.212	+0.215	-0.168	-0.157							
24		13.0—13.1	-0.217	+0.162	-0.194	-0.227							
24		18.5—18.9	-0.217	+0.152	-0.217	-0.226							
24	P.	2.2—2.6	-0.236	+0.166	-0.233	-0.214	2 50—5 20	-0.224	+0.285	-0.016			
24		5.5—5.7	-0.225	+0.155	-0.256	-0.226							
24		11.6—11.8	-0.212	+0.190	-0.268	-0.168							
25		13.1—13.2	-0.207	+0.188	-0.256	-0.147							
25		18.7—19.1	-0.207	+0.172	-0.245	-0.238	18 54	-0.198	+0.307	-0.017			
25		21.9—22.1	-0.187	+0.233	-0.217	-0.228	22 0	-0.198	+0.307	+0.040			

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1907		h h	s	s	s	°	h m h m	s	s	s
Sept. 25	M.	3.3—4.3	−0.152	+0.282	−0.198	−0.210	3 40—3 45	−0.155	+0.334	+0.089
25		5.7—6.1	−0.133	+0.309	−0.172	−0.197	3 48	−0.147	+0.334	+0.089
25		11.5—11.7	−0.153	+0.266	−0.221	−0.177	5 54	−0.147	+0.334	+0.120
26		18.6—19.0	−0.155	+0.210	−0.240	−0.214	19 20—21 35	−0.148	+0.316	+0.039
26		21.7—21.9	−0.134	+0.256	−0.191	−0.242				
26	HI.	1.4—1.8	−0.159	+0.261	−0.207	−0.194	2 20—4 40	−0.153	+0.309	+0.087
26		4.8—5.3	−0.140	+0.270	−0.153	−0.189				
27		11.9—12.4	−0.130	+0.255	−0.169	−0.205	12 10—12 15	−0.140	+0.299	+0.074
27		18.6—18.9	−0.152	+0.190	−0.227	−0.231	19 20—20 50	−0.156	+0.307	+0.014
27		21.7—22.0	−0.151	+0.227	−0.214	−0.248				
27	P.	2.3—2.7	−0.155	+0.210	−0.211	−0.226	2 50—5 30	−0.158	+0.301	+0.012
27		5.3—5.8	−0.155	+0.195	−0.228	−0.239				
29	M.	20.0—20.3	−0.170	+0.094	−0.243	−0.226	20 12	−0.162	+0.254	−0.071
29		22.9—23.1	−0.152	+0.149	−0.211	−0.236	23 0	−0.162	+0.254	−0.030
29		7.4—7.7	−0.169	+0.172	−0.230	−0.226	7 10—7 15	−0.168	+0.286	−0.008
30		19.1—19.7	−0.184	+0.126	−0.262	−0.251	19 24	−0.167	+0.294	−0.061
30		22.9 .....	.....	+0.180	.....	.....	23 6	−0.167	+0.294	−0.013
30		23.1—23.2	−0.157	.....	−0.256	−0.239				
30	III.	2.3—3.4	−0.169	+0.168	−0.256	−0.233	3 5—6 5	−0.159	+0.294	−0.006
30		6.3—6.6	−0.143	+0.198	−0.201	−0.245				
30		7.6—8.4	−0.143	+0.186	−0.214	−0.234	8 5—8 10	−0.148	+0.288	0.000
Oct. 1		12.2—13.0	−0.155	+0.203	−0.250	−0.226	12 25—12 50	−0.149	+0.316	+0.005
1		13.8—13.9	−0.127	+0.206	−0.229	−0.266	13 30—13 35	−0.143	+0.316	+0.005
1		19.1—19.6	−0.143	+0.171	−0.227	−0.243	20 5—22 25	−0.152	+0.288	−0.007
1		22.6—23.0	−0.153	+0.189	−0.212	−0.231				
1	P.	3.1—3.5	−0.158	+0.207	−0.227	−0.239	3 18	−0.157	+0.305	+0.013
1		6.3—6.5	−0.163	+0.218	−0.222	−0.184	6 24	−0.157	+0.305	+0.050
1		8.7—9.0	−0.153	+0.275	−0.188	−0.223	8 55—9 0	−0.163	+0.326	+0.077
1		12.0—12.2	−0.157	+0.207	−0.227	−0.213	12 12	−0.153	+0.304	+0.026
2		13.8—13.9	−0.128	+0.280	−0.284	−0.216	13 54	−0.110	+0.381	+0.075
2		19.4—19.8	−0.149	+0.175	−0.220	−0.239	20 5—22 30	−0.155	+0.292	−0.003
2		22.6—22.8	−0.158	+0.190	−0.232	−0.225				
2	M.	3.4—3.7	−0.143	+0.204	−0.213	−0.235	3 50—6 15	−0.146	+0.304	+0.016
2		6.4—6.6	−0.134	+0.218	−0.214	−0.244				
3	P.	12.4—12.8	−0.199	+0.155	−0.233	−0.209	12 30—12 40	−0.193	+0.273	−0.014
3		19.5—19.9	−0.193	+0.108	−0.184	−0.206	20 5—22 25	−0.201	+0.223	−0.035
3		22.5—22.7	−0.204	+0.123	−0.198	−0.194				
4	P.	6.5—6.8	−0.171	+0.165	−0.230	−0.249	3 48	−0.182	+0.232	−0.022
4		12.2—12.4	−0.160	+0.187	−0.262	−0.211	6 42	−0.182	+0.287	−0.022
5		14.0—14.2	−0.175	+0.174	−0.247	−0.208	12 40—13 55	−0.155	+0.302	+0.004
5		19.5—19.8	−0.181	+0.132	−0.243	−0.221	20 5—22 25	−0.172	+0.263	−0.027
5		22.5—22.8	−0.175	+0.147	−0.220	−0.202				
6	M.	3.6—3.9	−0.162	+0.202	−0.227	−0.227	4 20—6 35	−0.162	+0.294	+0.023
6		6.7—6.9	−0.152	+0.214	−0.185	−0.220				
6		11.2—11.4	−0.210	+0.126	−0.211	−0.171	11 18	−0.199	+0.235	−0.016
7		13.7—14.3	−0.172	+0.147	−0.230	−0.208	14 18	−0.166	+0.268	−0.016
8	P.	13.0—13.2	−0.177	+0.116	−0.226	−0.233	12 50—12 55	−0.179	+0.251	−0.055
8		14.3—14.5	−0.177	+0.119	−0.252	−0.187	13 15—14 10	−0.170	+0.254	−0.044
8		19.5—19.8	−0.190	+0.107	−0.233	−0.242	19 42	−0.184	+0.254	−0.067
8		22.6—22.8	−0.197	+0.118	−0.255	−0.180	22 42	−0.184	+0.254	−0.030
8	M.	3.9—4.3	−0.144	+0.225	−0.195	−0.210	4 6	−0.137	+0.302	+0.045
8		6.8—7.2	−0.133	+0.246	−0.206	−0.179	7 0	−0.137	+0.302	+0.076
8		12.5—12.6	−0.112	+0.252	−0.163	−0.172	12 36	−0.119	+0.293	+0.088
9		14.3—14.5	−0.115	+0.232	−0.187	−0.219	14 24	−0.119	+0.293	+0.046
9		19.5—19.9	−0.123	+0.200	−0.214	−0.215	19 42	−0.124	+0.300	+0.022
9		22.5—22.7	−0.129	+0.232	−0.215	−0.198	22 36	−0.124	+0.300	+0.055

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1907		h h	s	s	s	s	h m h m	s	s	s
Oct. 9	P.	3.9 — 4.3	-0.131	+0.252	-0.179	-0.160	4 25—6 50	-0.124	+0.300	+0.102
9		6.9 — 7.1	-0.126	+0.274	-0.178	-0.160				
9		12.4 —12.7	-0.143	+0.236	-0.213	-0.141	12 55—14 20	-0.132	+0.302	+0.090
10		14.5 —14.7	-0.149	+0.254	-0.198	-0.161	15 50—15 55	-0.146	+0.285	+0.044
10		15.9 —16.0	-0.160	+0.200	-0.221	-0.167				
10	HI.	3.3 — 3.7	-0.143	+0.225	-0.192	-0.196	3 5—6 45	-0.145	+0.278	+0.053
10		6.9 — 7.2	-0.136	+0.217	-0.153	-0.189				
10		12.5 —12.7	-0.149	+0.189	-0.174	-0.153	13 0—14 25	-0.148	+0.262	+0.048
11		14.5 —14.8	-0.142	+0.219	-0.167	-0.202				
11	M.	12.6 —12.8	-0.149	+0.236	-0.206	-0.235	13 5—13 10	-0.156	+0.315	+0.040
12		17.6 —17.7	-0.140	+0.202	-0.202	-0.212	17 50—17 55	-0.143	+0.286	+0.025
12		20.4 —20.6	-0.152	+0.165	-0.216	-0.257	20 10—20 15	-0.163	+0.281	-0.028
12							20 30	-0.158	+0.292	-0.028
12		22.9 —23.1	-0.155	+0.198	-0.232	-0.224	23 0	-0.158	+0.292	+0.013
13	HI.	19.2 —19.7	-0.152	+0.192	-0.154	-0.150	18 55—19 0	-0.151	+0.239	+0.055
13		22.6 —22.8	-0.131	+0.226	-0.162	-0.183	19 24	-0.144	+0.239	+0.060
13							22 42	-0.144	+0.273	+0.060
13	M.	4.2 — 4.6	-0.136	+0.245	-0.122	-0.178	4 24	-0.144	+0.266	+0.085
13		7.3 — 7.6	-0.128	+0.274	-0.118	-0.150	7 24	-0.144	+0.266	+0.123
14		19.5 —19.8	-0.118	+0.229	-0.131	-0.134	19 55—22 25	-0.123	+0.255	+0.082
14		22.9 —23.1	-0.114	+0.233	-0.138	-0.185				
14	HI.	3.7 — 4.0	-0.123	+0.215	-0.107	-0.125	4 35—6 55	-0.126	+0.226	+0.104
14		7.1 — 7.4	-0.123	+0.239	-0.103	-0.109				
15		13.0 —13.6	-0.099	+0.247	-0.065	-0.106	13 15—13 20	-0.110	+0.215	+0.130
15							13 50—13 55	-0.118	+0.217	+0.120
15		14.2 —14.6	-0.139	+0.212	-0.122	-0.079	14 40—14 45	-0.127	+0.219	+0.111
15		19.2 —19.6	-0.137	+0.181	-0.072	-0.144	19 24	-0.148	+0.186	+0.056
15		22.5 —22.8	-0.144	+0.180	-0.151	-0.135	22 42	-0.148	+0.227	+0.056
15	P.	4.15— 4.5	-0.136	+0.213	-0.168	-0.142	4 40—7 15	-0.125	+0.266	+0.075
15		7.4 — 7.7	-0.137	+0.214	-0.195	-0.134				
15		12.9 —13.1	-0.159	+0.193	-0.143	-0.066	13 0	-0.143	+0.215	+0.101
16		15.0 —15.2	-0.152	+0.192	-0.164	-0.149	15 6	-0.143	+0.244	+0.054
16		19.5 —19.8	-0.149	+0.149	-0.157	-0.153	19 42	-0.142	+0.215	+0.022
16		22.7 —22.9	-0.135	+0.180	-0.177	-0.183	22 48	-0.142	+0.252	+0.022
16	M.	4.5 — 4.9	-0.123	+0.206	-0.172	-0.199	5 0—7 25	-0.134	+0.262	+0.034
16		7.5 — 7.8	-0.124	+0.197	-0.154	-0.205				
16		12.8 —13.0	-0.117	+0.180	-0.158	-0.156	13 0	-0.116	+0.238	+0.030
17		15.1 —15.2	-0.127	+0.179	-0.149	-0.202	15 12	-0.141	+0.238	+0.030
17		19.7 —19.9	-0.136	+0.125	-0.190	-0.221	20 5—23 0	-0.143	+0.237	-0.031
17		23.2 —23.3	-0.134	+0.141	-0.187	-0.216				
17	HI.	3.9 — 4.2	-0.122	+0.170	-0.154	-0.216	4 55—7 15	-0.138	+0.236	+0.011
17		7.7 — 8.0	-0.117	+0.181	-0.127	-0.208				
17		13.1 —13.6	-0.145	+0.135	-0.171	-0.119	13 25—14 5	-0.131	+0.207	+0.025
18		21.4 —21.7	-0.173	+0.101	-0.205	-0.165	22 20—23 55	-0.162	+0.226	-0.032
18		0.2 — 0.5	.....	+0.104	-0.241	-0.175	0 55—1 50	-0.162	+0.234	-0.040
18		2.1 — 2.3	-0.176	+0.108	-0.210	-0.201				
18	P.	4.3 — 4.7	-0.180	+0.110	-0.220	-0.171	4 55—7 30	-0.163	+0.237	-0.022
18		7.6 — 7.8	-0.165	+0.136	-0.213	-0.188				
18		13.1 —13.3	-0.168	+0.163	-0.212	-0.092	13 30—14 10	-0.144	+0.268	+0.022
19		14.2 —14.4	-0.161	+0.175	-0.238	-0.199	15 0—15 5	-0.140	+0.287	+0.008
19		21.4 —21.7	-0.152	+0.159	-0.226	-0.181	21 36	-0.136	+0.266	+0.005
19		0.5 — 0.9	-0.143	+0.211	-0.237	-0.202	0 42	-0.136	+0.310	+0.034
20							0 40—0 45	-0.133	+0.310	+0.034
20	HI.	0.8 — 1.2	-0.147	+0.221	-0.191	-0.159	1 35—2 35	-0.138	+0.275	+0.068
20		2.7 — 3.1	-0.141	+0.219	-0.173	-0.165				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1907		h h	s	s	s	"	h m h m	s	s	s
Oct. 20	M.	4.9 — 5.3	-0.132	+0.242	-0.161	-0.166	5 25— 7 40	-0.135	+0.283	+0.088
20		7.8 — 8.0	-0.133	+0.256	-0.158	-0.175				
21		13.8 —14.0	-0.117	+0.283	-0.151	-0.150	13 35—14 20	-0.117	+0.295	+0.126
21		21.6 —21.9	-0.120	+0.252	-0.150	-0.174	22 15— 0 30	-0.130	+0.265	+0.092
21		0.9 — 1.0	-0.125	+0.239	-0.120	-0.153				
21	HI.	2.2 — 3.0	-0.137	+0.243	-0.154	-0.129	2 25— 2 30	-0.131	+0.266	+0.105
21		3.2 — . . . .	.....	+0.271	.....	.....	3 12	-0.132	+0.276	+0.134
21		6.2 — 6.6	-0.129	+0.268	-0.092	-0.113	6 24	-0.132	+0.244	+0.134
22		14.0 —14.2	-0.132	+0.200	-0.110	-0.110	13 40—14 25	-0.132	+0.212	+0.087
22		23.4 —23.8	-0.130	+0.220	-0.178	-0.170	0 10— 2 30	-0.128	+0.262	+0.070
22		2.7 — 3.0	-0.131	+0.213	-0.152	-0.141				
22	P.	13.2 —13.5	-0.156	+0.216	-0.193	-0.136	13 18	-0.141	+0.264	+0.077
23		15.5 —15.7	-0.173	+0.178	-0.184	-0.183	15 36	-0.173	+0.264	+0.022
23		21.4 —21.8	-0.173	+0.172	-0.206	-0.179	22 0— 0 15	-0.162	+0.272	+0.020
23		0.4 — 0.6	-0.173	+0.180	-0.236	-0.176				
23	M.	4.9 — 5.7	-0.123	+0.182	-0.177	-0.202	4 10— 4 15	-0.129	+0.259	+0.018
23		7.5 — 8.0	-0.151	+0.211	-0.184	-0.166	5 30	-0.138	+0.266	+0.018
23							7 42	-0.138	+0.266	+0.058
23		13.4 —13.6	-0.114	+0.232	-0.170	-0.170	13 30	-0.122	+0.278	+0.073
24		15.1 —15.3	-0.127	+0.204	-0.190	-0.198	15 12	-0.122	+0.278	+0.035
24							15 20—15 25	-0.129	+0.278	+0.035
24		21.5 —21.9	-0.118	+0.218	-0.148	-0.186	22 15— 0 15	-0.134	+0.250	+0.051
24		0.5 — 0.6	-0.131	+0.195	-0.140	-0.175	5 5— 5 10	-0.135	+0.254	+0.129
24	P.	5.25— 5.6	-0.137	+0.257	-0.121	-0.113	5 40— 8 0	-0.140	+0.250	+0.128
24		8.2 — 8.3	-0.136	+0.262	-0.127	-0.096				
24		13.4 —13.6	-0.139	+0.256	-0.134	-0.118	13 50—15 30	-0.124	+0.272	+0.118
25		15.6 —15.8	-0.131	+0.246	-0.187	-0.114				
25		21.5 —21.9	-0.146	+0.200	-0.185	-0.171	22 5— 0 30	-0.134	+0.268	+0.054
25		0.6 — 0.8	-0.134	+0.210	-0.187	-0.160				
25	HI.	1.9 — 2.4	-0.136	+0.188	-0.193	-0.155	2 45— 5 5	-0.126	+0.268	+0.059
25		5.3 — 5.5	-0.121	+0.237	-0.159	-0.180	5 55— 6 0	-0.126	+0.278	+0.073
26		14.1 —14.3	-0.121	+0.223	-0.148	-0.133	13 55—14 5	-0.117	+0.252	+0.089
26		15.7 —16.1	-0.135	+0.205	-0.155	-0.146	15 30—15 35	-0.133	+0.247	+0.067
28	HI.	13.6 —13.8	-0.116	+0.233	-0.158	-0.163	14 10—15 0	-0.122	+0.267	+0.072
29		15.2 —15.5	-0.136	+0.208	-0.180	-0.150	15 40—15 45	-0.128	+0.264	+0.064
29		21.1 —21.5	-0.135	+0.210	-0.190	-0.144	22 5— 0 40	-0.130	+0.260	+0.072
29		0.8 — 1.1	-0.138	+0.216	-0.147	-0.145				
29	P.	5.4 — 5.8	-0.122	+0.241	-0.175	-0.183	5 36	-0.126	+0.280	+0.074
29		8.7 — 8.9	-0.146	+0.263	-0.156	-0.089	8 48	-0.126	+0.280	+0.142
29							9 25— 9 30	-0.128	+0.271	+0.142
29		13.8 —13.9	-0.153	+0.245	-0.188	-0.116	13 54	-0.134	+0.273	+0.110
30		15.2 —15.5	-0.141	+0.219	-0.167	-0.145	15 24	-0.134	+0.273	+0.077
30		21.8 —22.1	-0.139	+0.232	-0.167	-0.082	22 15— 0 45	-0.138	+0.244	+0.115
30		0.8 — 1.0	-0.149	+0.243	-0.132	-0.092				
30	M.	5.7 — 6.0	-0.123	+0.216	-0.145	-0.140	5 54	-0.127	+0.246	+0.080
30		8.9 — 9.1	-0.123	+0.281	-0.134	-0.167	9 0	-0.127	+0.288	+0.118
31	HI.	10.6 —11.3	-0.104	+0.258	-0.061	-0.135	11 5—11 10	-0.124	+0.225	+0.123
Nov. 1		14.0 —14.7	-0.117	+0.237	-0.134	-0.121	14 20—14 25	-0.114	+0.251	+0.107
1		22.4 —23.0	-0.126	+0.223	-0.121	-0.156	23 30—23 35	-0.136	+0.241	+0.079
3	M.	13.9 —14.1	-0.110	+0.246	-0.064	-0.123	14 30—14 40	-0.126	+0.217	+0.020
4		21.6 —21.9	-0.111	+0.209	-0.064	-0.153	22 10— 0 45	-0.136	+0.188	+0.072
4		0.8 — 1.0	-0.135	+0.165	-0.089	-0.098				
4	HI.	5.2 — 5.6	-0.130	+0.174	-0.086	-0.088	5 24	-0.132	+0.186	+0.080
4		8.7 — 8.9	-0.136	+0.215	-0.078	-0.069	8 48	-0.132	+0.186	+0.123
4		14.3 —14.8	-0.123	+0.235	-0.031	-0.076	14 24	-0.135	+0.186	+0.144
5		15.8 —16.1	-0.114	+0.235	-0.054	-0.053	16 6	-0.114	+0.186	+0.144
5		21.3 —21.7	-0.135	+0.160	-0.097	-0.088	22 15—23 25	-0.134	+0.184	+0.070
5		23.9 — 0.2	-0.130	+0.183	-0.095	-0.113				

TABLE XXI.—*The Constants c , b , a , n , and m —Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.		Observed.				Sidereal Time.				Adopted.		
				c	b	a_n	a_s					c	n	m
1907		h	h	s	s	s	s	h	m	h	m	s	s	s
Nov. 5	P.	5.5	— 5.8	—0.132	+0.167	—0.099	—0.089	6	10—	8	35	—0.136	+0.182	+0.080
5		8.7	— 8.9	—0.149	+0.177	—0.101	—0.075							
6		14.8	—15.1	—0.120	+0.189	—0.092	—0.047	14	40—	14	45	—0.108	+0.180	+0.112
7	M.	21.8	—22.1	—0.131	+0.200	—0.093	—0.095	22	15—	0	35	—0.134	+0.213	+0.104
7		0.7	— 0.9	—0.129	+0.239	—0.092	—0.119							
7	III.	5.8	— 6.2	—0.116	+0.237	—0.061	—0.086	6	40—	8	10	—0.129	+0.200	+0.142
7		8.5	— 8.9	—0.134	+0.242	—0.054	—0.063							
8	P.	7.4	— 7.7	—0.111	+0.243	—0.015	—0.077	7	36	..	..	—0.126	+0.178	+0.154
8		9.3	— 9.6	—0.132	+0.259	—0.085	—0.057	9	30	..	..	—0.126	+0.222	+0.154
10	M.	8.0	— 8.2	—0.147	+0.170	—0.081	—0.035	7	35—	8	0	—0.134	+0.155	+0.109
10		8.9	....	.....	.....	—0.074	—0.022	8	35—	8	50	—0.126	+0.155	+0.109
10		14.5	—14.6	—0.137	+0.200	—0.085	—0.056	9	20—	9	25	—0.119	+0.155	+0.109
11		21.9	—22.1	—0.136	+0.201	—0.080	—0.076	15	0—	15	5	—0.130	+0.184	+0.117
11		0.7	— 0.9	—0.121	+0.219	—0.051	—0.090	22	15—	0	30	—0.134	+0.186	+0.113
12	P.	14.7	—14.9	—0.138	+0.266	+0.056	+0.043	15	5—	16	15	—0.136	+0.130	+0.228
13		16.4	—16.7	—0.141	+0.245	+0.018	+0.052							
13		21.6	—21.9	—0.139	+0.250	+0.030	+0.048	22	15—	0	40	—0.129	+0.130	+0.234
13		0.8	— 1.0	—0.120	+0.276	+0.062	+0.047							
13	M.	6.7	— 7.2	—0.137	+0.294	+0.079	+0.088	7	0—	9	30	—0.138	+0.116	+0.275
13		9.6	— 9.8	—0.143	+0.277	+0.080	+0.082							
14		14.9	—15.4	—0.144	+0.265	+0.061	+0.049	15	10—	15	20	—0.147	+0.122	+0.239
14		16.1	—16.2	—0.123	+0.286	+0.032	+0.012	16	15—	16	20	—0.128	+0.159	+0.233
14		22.3	—22.7	—0.149	+0.205	+0.026	+0.040	23	15—	1	25	—0.138	+0.109	+0.195
14		23.0	....	.....	+0.203	—0.001	+0.045							
14		1.8	— 2.0	—0.152	+0.229	+0.043	+0.069							
14	HI.	6.2	— 6.6	—0.139	+0.255	+0.060	+0.070	7	0—	9	30	—0.132	+0.106	+0.246
14		9.7	—10.0	—0.124	+0.262	+0.088	+0.073							
15		15.0	—15.5	—0.139	+0.235	+0.070	+0.168	15	12	..	..	—0.108	+0.077	+0.278
15		16.5	—16.8	—0.109	+0.226	+0.069	+0.093	16	42	..	..	—0.108	+0.077	+0.231
15		21.4	—21.7	—0.168	+0.187	+0.014	+0.093	22	15—	0	45	—0.137	+0.102	+0.106
15		0.9	— 1.0	—0.123	+0.245	+0.055	+0.040							
15	P.	6.9	— 7.3	—0.159	+0.216	+0.004	+0.103	7	20—	9	50	—0.126	+0.114	+0.228
15		9.9	—10.2	—0.149	+0.228	+0.002	+0.106							
15		14.8	—15.0	—0.162	+0.210	+0.048	+0.134	14	54	..	..	—0.136	+0.072	+0.238
16		16.7	—17.1	—0.150	+0.181	+0.037	+0.106	16	54	..	..	—0.136	+0.072	+0.200
16		21.6	—21.9	—0.123	+0.206	+0.040	+0.022	21	48	..	..	—0.128	+0.102	+0.186
16		0.8	— 1.0	—0.143	+0.229	—0.012	+0.041	0	54	..	..	—0.128	+0.142	+0.186
								1	15—	1	20	—0.129	+0.142	+0.198
17	HI.	21.4	—21.8	—0.135	+0.197	+0.012	+0.043	22	15—	0	30	—0.119	+0.110	+0.188
17		0.8	— 1.1	—0.129	+0.207	+0.004	+0.068							
17		2.3	— 2.7	—0.145	+0.203	+0.046	+0.054	2	5—	2	10	—0.143	+0.090	+0.190
18	HI.	14.9	—15.2	—0.118	+0.206	+0.036	+0.042	15	30—	16	50	—0.116	+0.104	+0.197
19		16.6	—17.0	—0.125	+0.219	+0.031	+0.067							
19		3.1	— 3.2	—0.123	+0.183	—0.040	+0.038	2	30—	3	0	—0.102	+0.129	+0.158
19		4.0	— 4.4	—0.120	+0.194	—0.016	+0.004	3	50—	3	55	—0.114	+0.131	+0.152
24	M.	7.8	— 8.1	—0.100	+0.266	+0.084	+0.069	7	0—	7	5	—0.104	+0.106	+0.252
24		10.7	—10.9	—0.098	+0.287	+0.095	+0.067	8	15—	10	35	—0.104	+0.110	+0.260
24		15.1	....	.....	+0.315	.....	.....	14	45—	14	50	—0.093	+0.101	+0.291
24		15.2	—15.5	—0.077	+0.297	+0.135	+0.074	15	6	..	..	—0.096	+0.108	+0.291
25		17.1	—17.5	—0.091	+0.282	+0.087	+0.057	17	18	..	..	—0.096	+0.108	+0.258
25		23.0	—23.2	—0.101	+0.218	+0.070	+0.066	23	6	..	..	—0.101	+0.083	+0.212
25		2.0	— 2.2	—0.095	+0.274	+0.074	+0.053	2	6	..	..	—0.101	+0.119	+0.249

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1907										
Nov. 25	P.	h h 7.2 — 7.6	s -0.101	s +0.262	s +0.082	s +0.089	h m h m 7 0—7 5	s -0.099	s +0.099	s +0.259
25		9.1 — 9.3	-0.106	+0.286	+0.092	+0.086	7 35—8 30	-0.104	+0.104	+0.268
25		14.6 — 15.0	-0.088	+0.287	+0.098	+0.162	14 50—14 55	-0.077	+0.090	+0.319
25		15.6 — 15.75	-0.095	+0.274	+0.126	+0.123	15 42	-0.099	+0.074	+0.290
26		17.7 — 17.9	-0.103	+0.229	+0.091	+0.093	17 48	-0.099	+0.074	+0.237
26		1.25—1.5	-0.086	+0.267	+0.075	+0.035	1 55—4 15	-0.094	+0.132	+0.240
26		4.4 — 4.6	-0.093	+0.280	+0.038	+0.044				
26	HI.	7.4 — 7.9	-0.101	+0.248	+0.048	+0.034	8 20—10 40	-0.102	+0.118	+0.230
26		10.9 — 11.2	-0.096	+0.265	+0.069	+0.059				
26		15.1 — 15.3	-0.085	+0.245	+0.067	+0.078	14 50—14 55	-0.082	+0.100	+0.238
26		15.9 .....	.....	+0.232	.....	.....	16 5—16 15	-0.098	+0.095	+0.208
27		17.2 — 17.6	-0.116	+0.208	+0.047	+0.052	17 25—17 30	-0.115	+0.092	+0.194
27		21.2 — 21.5	-0.104	+0.194	+0.049	+0.048	22 5—0 5	-0.103	+0.090	+0.189
27		0.2 — 0.5	-0.100	+0.215	+0.052	+0.046				
27	M.	10.3 — 10.5	-0.082	+0.239	+0.058	+0.017	10 0—10 50	-0.093	+0.113	+0.201
28	HI.	5.7 — 5.9	-0.095	+0.198	+0.008	+0.001	5 10—5 40	-0.097	+0.120	+0.155
28		11.2 — 11.9	-0.100	+0.205	+0.034	+0.063	11 35—11 40	-0.093	+0.096	+0.195
29		22.4 — 22.8	-0.107	+0.219	+0.032	+0.023	23 15—1 40	-0.106	+0.104	+0.200
29		1.8 — 2.1	-0.103	+0.225	+0.060	+0.059				
29	P.	7.8 — 8.2	-0.083	+0.248	+0.078	+0.049	8 0	-0.091	+0.101	+0.227
29		11.0 — 11.2	-0.096	+0.296	+0.065	+0.080	11 6	-0.091	+0.132	+0.278
29		12.6 — 12.9	-0.096	+0.269	+0.101	+0.086	12 20—12 25	-0.096	+0.102	+0.272
29		15.2 — 15.4	-0.100	+0.252	+0.092	+0.111	15 0—15 5	-0.095	+0.082	+0.264
29		16.1 — 16.5	-0.114	+0.256	+0.073	+0.098	16 20—16 25	-0.108	+0.090	+0.255
30		17.9 — 18.2	-0.118	+0.234	+0.068	+0.120	17 45—17 50	-0.106	+0.090	+0.255
30		22.9 — 23.2	-0.096	+0.270	+0.074	+0.041	23 30—0 55	-0.113	+0.105	+0.240
30		1.0 — 1.2	-0.110	+0.256	+0.101	+0.061				
Dec. 1	M.	14.2 — 14.4	-0.096	+0.318	+0.118	+0.111	14 5—14 10	-0.098	+0.109	+0.318
1		15.8 — 16.0	-0.107	+0.304	+0.121	+0.119	15 5—15 10	-0.103	+0.103	+0.314
2		18.1 — 18.3	-0.092	+0.264	+0.133	+0.099	15 54	-0.104	+0.097	+0.311
2		22.9 — 23.3	-0.083	+0.274	+0.161	+0.085	18 12	-0.104	+0.070	+0.271
2		1.7 — 1.9	-0.100	+0.312	+0.160	+0.138	23 6	-0.105	+0.070	+0.275
4							1 48	-0.105	+0.070	+0.332
4	M.	8.4 — 9.0	-0.087	+0.357	+0.232	+0.222	8 45—10 10	-0.091	+0.030	+0.428
4		10.2 .....	.....	.....	+0.279	+0.245	10 15—11 15	-0.091	+0.001	+0.445
4		11.4 — 11.7	-0.075	+0.354	+0.312	+0.278				
4		15.5 .....	.....	+0.376	.....	.....	15 20—15 25	-0.069	-0.028	+0.491
4		16.2 — 16.3	-0.058	+0.302	+0.351	+0.309	16 40—18 15	-0.070	-0.023	+0.480
5		18.3 — 18.5	-0.066	+0.358	+0.315	+0.300				
5		23.8 — 0.0	-0.063	+0.311	+0.313	+0.287				
5	HI.	8.1 — 9.2	-0.061	+0.341	+0.320	+0.279	7 55—8 45	-0.072	-0.026	+0.445
5		15.6 — 15.9	-0.083	+0.321	+0.307	+0.336	15 25—15 30	-0.076	-0.045	+0.457
5		16.4 .....	.....	+0.319	.....	.....	16 24	-0.070	-0.046	+0.452
6		18.5 — 18.8	-0.062	+0.283	+0.294	+0.290	18 42	-0.070	-0.046	+0.402
6		23.7 — 0.0	-0.063	+0.302	+0.266	+0.233	23 25—23 30	-0.072	-0.010	+0.385
6		2.7 — 3.1	-0.071	+0.313	+0.246	+0.258	0 15—2 35	-0.070	-0.004	+0.394
6	P.	8.2 — 8.6	-0.054	+0.329	+0.273	+0.248	8 45—11 15	-0.061	+0.009	+0.418
6		11.3 — 11.6	-0.063	+0.338	+0.251	+0.253				
6		15.7 — 16.0	-0.043	+0.340	+0.315	+0.244	15 30—15 35	-0.062	-0.016	+0.426
6		16.6 — 16.7	-0.058	+0.326	+0.266	+0.255	16 36	-0.066	0.000	+0.414
7		18.6 — 18.9	-0.069	+0.278	+0.225	+0.218	18 48	-0.066	0.000	+0.354
7							19 10—19 15	-0.071	0.000	+0.354
7		23.7 — 0.1	-0.105	+0.268	+0.166	+0.160	23 25—23 30	-0.107	+0.040	+0.309
7		2.8 — 3.0	-0.095	+0.289	+0.136	+0.161	0 15—2 40	-0.098	+0.055	+0.316
8	M.	8.7 — 9.0	-0.095	+0.212	+0.125	+0.092	8 54	-0.100	+0.043	+0.226
8		11.0 — 11.2	-0.099	+0.252	+0.110	+0.116	11 6	-0.100	+0.072	+0.269

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1907		h h	s	s	s	s	h m h m	s	s	s
Dec. 10	HI.	22.7 —23.4	-0.130	+0.136	+0.006	+0.055	22 20—22 25	-0.117	+0.071	+0.135
10		6.6 — 6.9	-0.127	+0.165	+0.019	+0.089	5 55— 6 35	-0.108	+0.074	+0.177
11	M.	0.1 — 0.5	-0.081	+0.259	+0.145	+0.113	0 18	-0.103	+0.057	+0.280
11		3.3 — 3.5	-0.118	+0.233	+0.158	+0.165	3 24	-0.103	+0.022	+0.280
11	HI.	7.9 — 8.3	-0.137	+0.245	+0.161	+0.210	8 45—11 20	-0.122	+0.014	+0.321
11		11.4 —11.7	-0.141	+0.240	+0.157	+0.232				
11		16.1 —16.4	-0.134	+0.258	+0.166	+0.244	16 0—16 5	-0.113	+0.022	+0.353
11		16.8		+0.277						
12		23.7 — 0.4	-0.120	+0.299	+0.172	+0.226	0 10— 1 50	-0.107	+0.035	+0.378
12		1.9		+0.211	+0.233		1 54	-0.107	+0.014	+0.388
12		3.4 — 3.9	-0.126	+0.306	+0.226	+0.304	3 42	-0.107	+0.014	+0.420
12	M.	9.2 — 9.5	-0.079	+0.367	+0.287	+0.246	9 0— 9 5	-0.090	+0.017	+0.444
12		12.1 —12.3	-0.077	+0.359	+0.304	+0.275	9 40—12 0	-0.087	+0.006	+0.450
14	HI.	3.6 — 3.9	-0.091	+0.283	+0.262	+0.272	3 5— 3 30	-0.088	-0.028	+0.391
15	M.	11.5			+0.274	+0.243	11 25—12 15	-0.075	-0.007	+0.402
15		12.1 —12.5	-0.064	+0.315	+0.271	+0.246				
18	P.	0.2 — 0.6	-0.087	+0.288	+0.197	+0.234	0 24	-0.076	+0.019	+0.368
18		3.0 — 3.2	-0.075	+0.358	+0.198	+0.194	3 6	-0.076	+0.072	+0.401
18		5.0		+0.352			4 10— 5 0	-0.070	+0.070	+0.398
18		5.5 — 5.7	-0.061	+0.345	+0.199	+0.190	5 15— 5 20	-0.063	+0.064	+0.389
18	M.	6.3 — 6.4	-0.070		+0.203	+0.211	6 0— 6 5	-0.066	+0.060	+0.394
18		9.2 — 9.4	-0.085	+0.354	+0.235	+0.226	6 40— 9 5	-0.078	+0.049	+0.408
19		0.2 — 0.5	-0.052	+0.317	+0.234	+0.220	0 18	-0.064	+0.022	+0.387
19		3.5 — 3.7	-0.068	+0.353	+0.260	+0.240	3 36	-0.064	+0.022	+0.428
19	HI.	5.4 — 5.8	-0.091	+0.340	+0.269	+0.275	6 5— 9 5	-0.090	+0.001	+0.438
19		9.3 — 9.7	-0.096	+0.337	+0.268	+0.286				
19		17.65—18.1	-0.066	+0.313	+0.290	+0.276	17 45—17 55	-0.070	-0.026	+0.418
20		0.0 — 0.5	-0.079	+0.335	+0.288	+0.269	0 18	-0.078	-0.009	+0.430
20		1.7 — 1.9	-0.084	+0.340	+0.229	+0.268	1 48	-0.078	+0.027	+0.430
20	P.	7.25		+0.271			7 5— 7 10	-0.076	-0.024	+0.353
20		7.5	-0.065		+0.262	+0.220	7 45—10 20	-0.078	-0.021	+0.364
20		10.4 —10.6	-0.086	+0.275	+0.237	+0.262	10 50—12 30	-0.079	-0.020	+0.376
20		12.6 —12.8	-0.079	+0.278	+0.254	+0.256				
20		17.4 —17.5	-0.071	+0.295	+0.216	+0.275	17 50—18 0	-0.062	+0.007	+0.387
21		18.85—19.1	-0.059	+0.299	+0.243	+0.198	19 40—19 45	-0.070	+0.010	+0.362
21		23.9 — 0.2	-0.059	+0.268	+0.234	+0.246	0 6	-0.068	-0.017	+0.370
21		3.1 — 3.3	-0.087	+0.310	+0.194	+0.224	3 12	-0.068	+0.037	+0.370
21	HI.	7.3 — 7.6	-0.083	+0.323	+0.228	+0.282	6 59— 7 0	-0.069	+0.014	+0.422
21		10.3 —10.7	-0.085	+0.346	+0.264	+0.284	7 55—10 5	-0.074	+0.010	+0.434
23	M.	0.3 — 0.6	-0.119	+0.196	+0.061	+0.094	0 30	-0.112	+0.068	+0.208
23		3.3 — 3.5	-0.114	+0.233	+0.102	+0.099	3 24	-0.112	+0.068	+0.243
23	HI.	9.9 —10.3	-0.141	+0.223	+0.096	+0.175	9 40— 9 45	-0.120	+0.047	+0.275
23		17.7 —17.9	-0.108	+0.264	+0.173	+0.179	18 5—18 10	-0.106	+0.030	+0.318
24		6.4 — 6.6	-0.095	+0.293	+0.236	+0.220	5 40— 6 20	-0.100	+0.004	+0.367
24	P.	7.55— 8.0	-0.092	+0.275	+0.265	+0.196	8 5—10 30	-0.102	-0.014	+0.351
24		10.7 —10.9	-0.100	+0.266	+0.219	+0.244	11 5—12 50	-0.098	-0.004	+0.357
24		12.9 —13.2	-0.088	+0.293	+0.249	+0.195				
25	M.	10.0 —10.4	-0.092	+0.280	+0.197	+0.219	10 25—12 55	-0.093	+0.024	+0.366
25		13.1 —13.4	-0.088	+0.324	+0.236	+0.193				
25		17.7 —17.9	-0.105	+0.301	+0.207	+0.194	18 15—18 20	-0.108	+0.031	+0.358
27	P.	10.1 —10.4	-0.101	+0.260	+0.177	+0.192	10 18	-0.094	+0.023	+0.321
27		13.0 —13.3	-0.095	+0.311	+0.168	+0.189	13 12	-0.094	+0.060	+0.358
28		2.5 — 2.75	-0.148	+0.264	+0.115	+0.147	3 10— 6 0	-0.140	+0.081	+0.305
28		6.0 — 6.2	-0.155	+0.289	+0.097	+0.154				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1907		h h	s	s	s	s	h m h m	s	s	s
Dec. 30	M.	12.5 .....	.....	.....	+0.119	+0.109	12 10—13 10	-0.127	+0.100	+0.303
30		13.2 —13.5	-0.124	+0.300	+0.112	+0.109				
30		18.0 —18.2	-0.133	+0.264	+0.107	+0.179	18 35—18 40	-0.114	+0.067	+0.310
31		0.3 —0.5	-0.107	+0.269	+0.139	+0.142	0 40—3 0	-0.115	+0.072	+0.310
31		3.1 —3.3	-0.124	+0.303	+0.136	+0.136				
1908										
Jan. 1	M.	18.3 —18.4	-0.109	+0.306	+0.177	+0.208	18 45—18 50	-0.100	+0.049	+0.366
2		0.3 —0.4	-0.115	+0.298	+0.144	+0.205	0 40—3 0	-0.112	+0.048	+0.352
2		3.1 —3.3	-0.122	+0.298	+0.200	+0.189				
2	P.	18.2 —18.6	-0.120	+0.277	+0.194	+0.212	18 24	-0.118	+0.028	+0.346
3		21.0 —21.15	-0.120	+0.263	+0.166	+0.166	21 6	-0.118	+0.028	+0.309
3		0.45—0.8	-0.115	+0.287	+0.187	+0.154	0 36	-0.114	+0.046	+0.323
3		3.4 —3.8	-0.104	+0.314	+0.193	+0.190	3 36	-0.114	+0.046	+0.365
							3 35—3 40	-0.105	+0.048	+0.365
5	M.	10.6 —10.9	-0.079	+0.371	+0.278	+0.246	11 0—11 50	-0.093	+0.016	+0.454
5		12.0 .....	.....	.....	+0.303	+0.263	12 10—13 25	-0.093	+0.002	+0.464
5		13.5 —13.8	-0.079	+0.374	+0.318	+0.279				
5		18.4 —18.6	-0.047	+0.427	+0.327	+0.282	18 30	-0.060	+0.022	+0.514
6		21.4 —21.5	-0.085	+0.386	+0.295	+0.269	21 30	-0.092	+0.022	+0.472
6		0.6 —0.8	-0.085	+0.348	+0.264	+0.273	21 55	-0.092	+0.019	+0.472
6		3.4 —3.7	-0.085	+0.354	+0.266	+0.269	1 5—3 20	-0.084	+0.012	+0.442
7	P.	10.4 —10.7	-0.089	+0.317	+0.258	+0.284	11 0—12 50	-0.082	-0.012	+0.418
7		12.9 —13.1	-0.086	+0.309	+0.268	+0.279	13 25—13 30	-0.083	-0.017	+0.415
8	M.	10.8 —11.0	-0.069	+0.308	+0.230	+0.224	11 5—13 30	-0.074	+0.025	+0.395
8		13.6 —13.8	-0.083	+0.335	+0.219	+0.241				
8		18.5 —18.7	-0.073	+0.363	+0.257	+0.263	19 15—19 20	-0.072	+0.036	+0.446
9		20.7 —20.9	-0.082	+0.366	+0.227	+0.262	21 15—21 20	-0.072	+0.046	+0.446
9		0.5 —0.9	-0.063	+0.370	+0.275	+0.227	0 42	-0.078	+0.029	+0.436
9		3.3 —3.8	-0.090	+0.377	+0.258	+0.290	3 36	-0.078	+0.029	+0.472
							3 40—3 45	-0.081	+0.029	+0.472
9	P.	10.4 —10.7	-0.088	+0.384	+0.315	+0.291	10 36	-0.088	+0.001	+0.486
9		13.5 —13.7	-0.080	+0.326	+0.375	+0.372	13 36	-0.088	-0.087	+0.486
9		18.7 —18.9	-0.082	+0.344	+0.391	+0.402	19 20—21 25	-0.084	-0.079	+0.504
10		21.5 —21.8	-0.086	+0.340	+0.363	+0.356				
10		1.2 —1.5	-0.079	+0.363	+0.337	+0.333	1 5—1 10	-0.080	-0.034	+0.492
10		4.1 —4.3	-0.069	+0.370	+0.339	+0.325	1 35—4 0	-0.076	-0.031	+0.492
10	M.	11.3 —11.5	-0.064	+0.394	+0.371	+0.365	11 55—14 5	-0.068	-0.038	+0.524
10		14.3 —14.5	-0.070	+0.377	+0.351	+0.351				
10		18.7 —19.0	-0.063	+0.361	+0.343	+0.357	19 25—19 30	-0.059	-0.043	+0.504
12	P.	0.6 —0.9	-0.104	+0.215	+0.122	+0.137	0 48	-0.094	+0.035	+0.252
12		3.4 —3.6	-0.098	+0.258	+0.156	+0.193	3 30	-0.094	+0.035	+0.318
12		6.3 —6.45	-0.120	+0.254	+0.154	+0.215	4 15—6 15	-0.096	+0.030	+0.322
12	M.	13.3 —13.4	-0.099	+0.313	+0.213	+0.213	13 25—13 55	-0.099	+0.031	+0.378
13	P.	19.2 —19.4	-0.116	+0.298	+0.271	+0.295	19 35—21 45	-0.109	-0.038	+0.420
14		21.9 —22.1	-0.099	+0.310	+0.321	+0.288				
14		0.5 —0.8	-0.104	+0.293	+0.302	+0.313	1 10—3 5	-0.102	-0.043	+0.428
14		3.2 —3.3	-0.113	+0.309	+0.282	+0.313	3 30—5 50	-0.103	-0.040	+0.441
14		5.9 —6.0	-0.095	+0.325	+0.333	+0.306				
14	M.	10.6 —10.9	-0.082	+0.380	+0.365	+0.321	11 0—13 25	-0.100	-0.044	+0.504
14		13.7 —14.0	-0.104	+0.363	+0.361	+0.355				
14		19.2 —19.3	-0.064	+0.414	+0.359	+0.314	19 40—19 50	-0.074	-0.006	+0.520
15		21.3 —21.4	-0.069	+0.403	+0.334	+0.321	21 45—21 50	-0.072	-0.004	+0.517
15		0.9 —1.2	-0.074	+0.387	+0.319	+0.295	1 25—3 45	-0.089	-0.014	+0.490
15		3.8 —3.9	-0.091	+0.372	+0.344	+0.318	5 50—5 55	-0.092	-0.029	+0.500

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908		h h	■	■	■	s	h m h m	s	s	s
Jan. 15	HI.	7.1 — 7.6	-0.090	+0.374	+0.333	+0.350	4 20— 7 15	-0.092	-0.029	+0.500
16	HI.	3.6 — 3.9	-0.111	+0.372	+0.309	+0.343	4 20— 7 0	-0.104	-0.020	+0.491
16		7.0 — 7.2	-0.110	+0.356	+0.316	+0.327	7 35— 7 40	-0.105	-0.040	+0.469
16	P.	7.3 — .....	.....	+0.344	.....	.....	7 30—10 5	-0.105	-0.040	+0.469
16		10.2 —10.4	-0.103	+0.333	+0.329	+0.329				
16		19.4 —19.6	-0.072	+0.392	+0.297	+0.370	19 50—19 55	-0.059	-0.002	+0.530
17		2.7 — 2.8	-0.098	+0.365	+0.297	+0.402	3 5— 5 35	-0.080	-0.038	+0.508
17		5.6 — 5.7	-0.085	+0.352	+0.355	+0.341				
17	M.	6.5 — 6.6	-0.066	+0.357	+0.372	+0.332	6 36	-0.082	-0.042	+0.490
17		9.0 — 9.1	-0.082	+0.406	+0.369	+0.351	9 6	-0.082	-0.042	+0.538
18		2.7 — 3.0	-0.085	+0.371	+0.326	+0.328	3 10— 5 35	-0.084	-0.016	+0.504
18		5.6 — 5.7	-0.078	+0.399	+0.345	+0.319				
18	P.	6.5 — 6.6	-0.087	+0.385	+0.336	+0.401	6 45— 8 55	-0.074	-0.038	+0.550
18		9.0 — 9.1	-0.091	+0.394	+0.359	+0.405				
19	HI.	9.0 — 9.7	-0.096	+0.408	+0.320	+0.324	9 20—12 30	-0.096	-0.008	+0.514
19		12.6 —13.0	-0.111	+0.367	+0.312	+0.361				
19		19.7 —19.9	-0.094	+0.465	+0.352	+0.340	20 0—20 10	-0.097	+0.021	+0.576
20		1.0 — 1.4	-0.082	+0.395	+0.271	+0.272	1 45— 4 0	-0.090	+0.026	+0.482
20		4.2 — 4.5	-0.111	+0.374	+0.267	+0.321				
20	M.	19.6 —19.75	-0.074	+0.402	+0.339	+0.283	20 5—20 15	-0.089	+0.001	+0.496
21	P.	10.45—10.8	-0.091	+0.337	+0.241	+0.252	11 0—13 35	-0.097	+0.022	+0.414
21		13.6 —13.8	-0.101	+0.337	+0.252	+0.233				
21		19.8 —19.9	-0.111	+0.318	+0.242	+0.239	20 10—20 40	-0.112	+0.022	+0.398
22		20.8 —21.0	-0.101	+0.341	+0.245	+0.203				
22		2.5 — 2.9	-0.114	+0.354	+0.172	+0.195	3 10— 5 0	-0.111	+0.084	+0.405
22		5.2 — 5.4	-0.113	+0.377	+0.194	+0.192				
22	M.	10.7 —10.9	-0.102	+0.405	+0.226	+0.227	11 0—13 0	-0.112	+0.072	+0.448
22		13.0 —13.2	-0.123	+0.383	+0.223	+0.225				
24	P.	22.7 —22.9	-0.083	+0.436	+0.369	+0.391	22 30—22 35	-0.077	-0.018	+0.583
24	HI.	2.1 — 2.8	-0.090	+0.419	+0.388	+0.380	2 35— 2 40	-0.094	-0.032	+0.561
24		3.0 — 3.1	.....	.....	+0.359	+0.385	3 3	-0.094	-0.028	+0.558
24		5.6 — 5.8	-0.123	+0.378	+0.370	+0.431	5 42	-0.094	-0.064	+0.558
24	P.	8.7 — 9.1	-0.091	+0.414	+0.402	+0.385	6 5— 8 50	-0.101	-0.057	+0.562
25	HI.	2.4 — 2.7	-0.076	+0.428	+0.403	+0.377	3 5— 5 35	-0.088	-0.052	+0.563
25		5.6 — 5.8	-0.094	+0.390	+0.398	+0.398				
25	M.	8.6 — 9.1	-0.086	+0.416	+0.406	+0.380	6 5— 8 50	-0.094	-0.057	+0.559
25	P.	10.6 —10.9	-0.077	+0.402	+0.375	+0.404	11 0—13 35	-0.077	-0.050	+0.563
25		13.65—13.8	-0.091	+0.398	+0.382	+0.408	14 10—14 15	-0.084	-0.053	+0.563
26	P.	14.8 —15.2	-0.098	+0.354	+0.332	+0.382	15 0—15 5	-0.085	-0.048	+0.510
26		20.0 —20.2	-0.092	+0.322	+0.338	+0.344	21 10—22 45	-0.092	-0.064	+0.465
27		21.45—21.6	-0.095	+0.328	+0.346	+0.343				
27		22.9 —23.0	-0.087	+0.318	+0.346	+0.335				
27		3.1 — 3.3	-0.086	+0.320	+0.334	+0.360	3 55— 6 5	-0.080	-0.052	+0.481
27		6.2 — 6.4	-0.080	+0.357	+0.338	+0.338	8 5— 8 10	-0.088	-0.052	+0.490
27		8.4 — 8.6	-0.101	+0.335	+0.347	+0.370				
27	M.	20.1 —20.3	-0.079	+0.399	+0.425	+0.395	20 35—20 45	-0.087	-0.073	+0.561
29	P.	21.0 —21.1	-0.106	+0.339	+0.310	+0.354	20 40—20 45	-0.094	-0.038	+0.481
29		23.15—23.3	-0.076	+0.373	+0.313	+0.299	22 50—22 55	-0.080	-0.006	+0.479
29		3.4 — 3.8	-0.117	+0.333	+0.325	+0.380	3 35— 3 40	-0.102	-0.055	+0.492
29		6.2 — 6.45	-0.090	+0.369	+0.359	+0.346	3 55— 6 5	-0.098	-0.050	+0.499
29		7.05— 7.2	-0.064	+0.370	+0.380	+0.347	6 50— 6 55	-0.083	-0.050	+0.508

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908		h h	s	s	s	s	h m h m	s	s	s
Jan. 30	M.	3.0 — 3.1	-0.050	+0.409	+0.467	+0.440	3 6	-0.058	-0.094	+0.598
30		6.2 — 6.4	-0.043	+0.459	+0.498	+0.441	6 18	-0.058	-0.094	+0.640
							6 55—7 0	-0.058	-0.087	+0.640
30	P.	20.3 — 20.5	-0.068	+0.425	+0.540	+0.624	20 24	-0.044	-0.172	+0.714
31		23.15—23.3	-0.056	+0.420	+0.501	+0.554	23 12	-0.044	-0.138	+0.670
Feb. 1	P.	3.2 — 3.4	-0.063	+0.354	+0.461	+0.446	3 35—4 20	-0.066	-0.125	+0.566
1		4.7 — 4.9	-0.075	+0.363	+0.433	+0.472	5 25—5 35	-0.064	-0.117	+0.575
3	P.	3.1 — 3.3	-0.062	+0.379	+0.517	+0.518	3 35—4 25	-0.056	-0.154	+0.626
3		4.6 — 4.8	-0.050	+0.401	+0.505	+0.507	5 5—7 25	-0.054	-0.142	+0.626
3		7.5 — 7.65	-0.054	+0.398	+0.508	+0.494				
4	P.	3.2 — 3.3	-0.034	+0.395	+0.536	+0.490	3 35—4 25	-0.050	-0.164	+0.622
4		5.0 — 5.1	-0.050	+0.386	+0.533	+0.514	5 0	-0.054	-0.162	+0.625
4		7.5 — 7.6	-0.056	+0.412	+0.530	+0.539	7 36	-0.054	-0.162	+0.657
6	P.	1.0 — 1.4	-0.060	+0.415	+0.514	+0.513	1 15—1 20	-0.060	-0.139	+0.646
6		3.3 — 3.4	-0.060	+0.419	+0.492	+0.465	3 35—4 20	-0.069	-0.116	+0.622
6		4.6 — 4.7	-0.074	+0.408	+0.478	+0.490	4 36	-0.069	-0.119	+0.630
6		6.4 — 6.6	-0.069	+0.442	+0.457	+0.466	6 30	-0.069	-0.080	+0.630
7	P.	1.9 — 2.3	-0.069	+0.420	+0.440	+0.478	2 5—2 10	-0.059	-0.087	+0.623
7		5.1 — 5.3	-0.071	+0.409	+0.449	+0.473	5 25—9 5	-0.057	-0.094	+0.624
7		6.5 — 6.7	-0.047	+0.467	+0.463	+0.473				
7		9.1 — 9.3	-0.062	+0.394	+0.468	+0.465				
8	P.	2.7 — 3.2	-0.056	+0.433	+0.472	+0.489	2 55—3 0	-0.052	-0.099	+0.641
8		12.0 — 12.2	-0.058	+0.445	+0.508	+0.484	12 6	-0.062	-0.110	+0.653
8		15.0 — 15.2	-0.056	+0.465	+0.581	+0.569	15 6	-0.062	-0.157	+0.720
9	HI.	4.1 — 4.6	-0.086	+0.417	+0.487	+0.571	3 45—3 50	-0.064	-0.136	+0.674
9		6.6 — 7.3	-0.065	+0.491	+0.509	+0.572	4 24	-0.056	-0.136	+0.674
							7 0	-0.056	-0.101	+0.734
							7 35—7 40	-0.048	-0.101	+0.734
10	M.	21.7 — 22.1	-0.043	+0.528	+0.565	+0.539	21 30—21 35	-0.050	-0.102	+0.752
10		23.9 — 0.1	-0.047	+0.442	+0.524	+0.520	23 45—23 50	-0.049	-0.116	+0.680
12	P.	5.1 — 5.3	-0.038	+0.421	+0.417	+0.389	5 25—6 0	-0.050	-0.051	+0.584
12		6.2 — 6.6	-0.058	+0.427	+0.403	+0.417	6 25—7 0	-0.054	-0.048	+0.592
16	M.	10.0 — 10.3	-0.118	+0.357	+0.408	+0.399	9 50—10 0	-0.120	-0.091	+0.530
16		10.7	-0.119	.....	.....	.....	10 20—12 15	-0.122	-0.083	+0.543
16		12.4 — 12.7	-0.123	+0.388	+0.413	+0.401				
16		21.3 — 21.4	-0.104	+0.406	+0.422	+0.431				
17		5.5 — 5.8	-0.095	+0.482	+0.450	+0.388	5 55—7 15	-0.122	-0.046	+0.611
17		7.4 — 7.6	-0.127	+0.433	+0.431	+0.408	7 55—8 25	-0.135	-0.064	+0.599
17		8.9 — 9.0	.....	.....	+0.448	+0.436	10 45—10 50	-0.130	-0.067	+0.610
17	HI.	9.5 — 9.9	-0.132	+0.429	+0.428	+0.416	10 20—13 0	-0.130	-0.067	+0.610
17		12.5 — 13.5	-0.117	+0.447	+0.453	+0.427				
17		21.5 — 21.7	-0.130	+0.432	+0.472	+0.550	22 0—22 5	-0.109	-0.114	+0.673
19	P.	5.05—5.2	-0.096	+0.415	+0.448	+0.453	5 30—6 20	-0.095	-0.090	+0.614
19		6.5 — 6.6	-0.087	+0.438	+0.483	+0.442	6 50—7 40	-0.095	-0.081	+0.632
19		8.2 — 8.4	-0.097	+0.451	+0.452	+0.466	8 30—8 55	-0.093	-0.071	+0.642
19	M.	21.5 — 21.7	-0.067	+0.459	+0.445	+0.451	22 5—22 15	-0.065	-0.059	+0.640
20		0.7 — 0.9	-0.095	+0.450	+0.426	+0.443	0 30—0 35	-0.091	-0.053	+0.626
20		6.5 — 6.6	-0.079	+0.453	+0.445	+0.404	6 45—9 5	-0.096	-0.049	+0.614
20		9.2 — 9.4	-0.100	+0.455	+0.429	+0.418				
20	HI.	11.7 — 12.1	-0.104	+0.437	+0.440	+0.468	12 25—14 45	-0.102	-0.086	+0.632
20		14.9 — 15.3	-0.111	+0.428	+0.466	+0.480				
21		22.4 — 22.6	-0.079	+0.417	+0.464	+0.517	22 10—22 20	-0.065	-0.110	+0.643
21		6.1 — 6.4	-0.094	+0.431	+0.484	+0.465	6 50—8 15	-0.104	-0.096	+0.630
21		9.0 — 9.3	-0.093	+0.450	+0.497	+0.438				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908		h h	s	s	s	s	h m h m	s	s	s
Feb. 21	P.	12.1 —12.3	−0.069	+0.431	+0.525	+0.455	12 25—13 25	−0.090	−0.112	+0.618
21		13.7 —14.0	−0.082	+0.420	+0.479	+0.441				
21		16.3 —16.5	−0.090	+0.422	+0.455	+0.444	14 25—16 15	−0.092	−0.094	+0.608
23	M.	21.8 —21.9	−0.081	+0.440	+0.507	+0.483	22 25—22 30	−0.087	−0.106	+0.640
24		0.5 —0.9	−0.091	+0.411	+0.429	+0.449	0 45—0 50	−0.086	−0.081	+0.600
24		6.3 —6.5	−0.071	+0.475	+0.437	+0.445	6 24	−0.082	−0.043	+0.648
24		9.2 —9.3	−0.091	+0.425	+0.454	+0.437	9 18	−0.082	−0.083	+0.608
24	Hl.	13.5 —13.9	−0.098	+0.447	+0.467	+0.476	14 20—16 55	−0.090	−0.086	+0.658
24		16.7 —17.5	−0.079	+0.473	+0.500	+0.479	17 5—17 15	−0.084	−0.087	+0.672
26	P.	6.7 —7.1	−0.091	+0.342	+0.345	+0.385	6 50—6 55	−0.080	−0.062	+0.504
26		8.9 —9.2	−0.106	+0.359	+0.386	+0.429	7 0	−0.087	−0.073	+0.504
							9 6	−0.087	−0.073	+0.545
26	M.	13.7 —14.0	−0.078	+0.411	+0.413	+0.379	9 6	−0.088	−0.084	+0.555
26		15.9 —16.1	−0.084	+0.418	+0.394	+0.370	13 54	−0.088	−0.052	+0.555
26		22.1 —22.2	−0.079	+0.440	+0.416	+0.392	14 10—15 35	−0.086	−0.045	+0.564
27	Hl.	22.0 —22.5	−0.089	+0.414	+0.433	+0.449	22 40—22 45	−0.085	−0.080	+0.602
28		1.2 —1.5	−0.095	+0.437	+0.408	+0.437	1 0—1 5	−0.088	−0.049	+0.610
28		6.0 —6.2	−0.101	+0.396	+0.426	+0.450	11 45—8 25	−0.098	−0.088	+0.586
28		8.7 —9.1	−0.104	+0.398	+0.432	+0.441				
28	P.	22.3 —22.5	−0.083	+0.391	+0.410	+0.461	22 40—1 10	−0.076	−0.077	+0.598
29		1.4 —1.6	−0.082	+0.431	+0.438	+0.430				
Mar. 2	Hl.	12.0 —12.4	−0.106	+0.377	+0.341	+0.391	12 12	−0.091	−0.050	+0.533
2		15.2 —15.6	−0.088	+0.407	+0.405	+0.402	15 24	−0.091	−0.050	+0.570
2		22.5 —22.8	−0.111	+0.373	+0.392	+0.412	22 42	−0.095	−0.076	+0.546
3		1.5 —1.8	−0.089	+0.422	+0.382	+0.401	1 42	−0.095	−0.037	+0.578
3		6.0 —6.3	−0.116	+0.396	+0.381	+0.391	6 55—9 5	−0.106	−0.038	+0.552
3		9.2 —9.5	−0.114	+0.397	+0.337	+0.397				
3	P.	12.4 —12.7	−0.072	+0.418	+0.376	+0.317	12 36	−0.096	−0.017	+0.530
3		15.3 —15.6	−0.091	+0.392	+0.443	+0.399	15 30	−0.096	−0.089	+0.560
3		22.5 —22.7	−0.123	+0.402	+0.376	+0.408	22 55—23 5	−0.103	−0.035	+0.556
4		1.0 —1.2	−0.091	+0.411	+0.361	+0.359	1 25—1 30	−0.092	−0.023	+0.545
4		8.0 —8.1	−0.091	+0.412	+0.430	+0.404	8 30—10 40	−0.100	−0.056	+0.582
4		10.7 —10.9	−0.107	+0.424	+0.392	+0.410				
4	M.	12.3 —12.7	−0.082	+0.434	+0.400	+0.381	12 50—15 15	−0.092	−0.026	+0.589
4		15.5 —15.7	−0.098	+0.454	+0.387	+0.392				
7	P.	23.4 —23.6	−0.179	+0.344	+0.371	+0.385	23 10—23 15	−0.175	−0.075	+0.508
7		1.95—2.1	−0.164	+0.393	+0.357	+0.334	1 35—1 40	−0.172	−0.026	+0.518
7		3.7 —3.9	−0.153	+0.372	+0.321	+0.300	3 25—3 30	−0.158	−0.011	+0.481
7		8.0 —8.2	−0.143	+0.373	+0.294	+0.284	8 25—10 40	−0.146	0.000	+0.478
7		10.7 —10.9	−0.158	+0.363	+0.290	+0.330				
9	M.	8.2 —8.7	−0.135	+0.388	+0.287	+0.276	8 25—8 30	−0.138	+0.023	+0.477
9		11.3 —11.5	−0.127	+0.380	+0.298	+0.294	8 50—11 15	−0.133	+0.016	+0.479
9	Hl.	12.9 —13.4	−0.134	+0.386	+0.298	+0.321	13 50—16 20	−0.130	−0.001	+0.501
9		16.5 —16.8	−0.130	+0.386	+0.322	+0.320				
9		22.8 —23.1	−0.114	+0.379	+0.306	+0.371	23 20—23 25	−0.097	−0.014	+0.520
10		6.5 —6.8	−0.129	+0.394	+0.318	+0.300	6 5—6 10	−0.134	+0.004	+0.497
10		9.7 —10.0	−0.129	+0.399	+0.292	+0.306	7 10—9 30	−0.130	+0.012	+0.500
10	P.	13.6 —13.8	−0.114	+0.415	+0.273	+0.284	13 42	−0.119	+0.047	+0.508
10		16.4 —16.5	−0.114	+0.420	+0.339	+0.291	16 30	−0.119	+0.011	+0.508
10		22.9 —23.0	−0.136	+0.401	+0.271	+0.314	23 0	−0.124	+0.032	+0.504
11		2.2 —2.4	−0.165	+0.360	+0.236	+0.206	2 18	−0.174	+0.049	+0.413
11		6.6 —6.9	−0.170	+0.378	+0.219	+0.222	7 0—7 50	−0.169	+0.067	+0.433

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column II, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908										
Mar. 11	Hl.	^h 23.2 — ^h 23.7	^s -0.178	^s +0.383	^s +0.187	^s +0.207	^h 23 25—23 35	^s -0.173	^s +0.091	^s +0.426
12		1.5 — 1.8	-0.191	+0.353	+0.198	+0.255	2 0—2 5	-0.176	+0.055	+0.428
12		7.4 — 8.1	-0.178	+0.370	+0.186	+0.168	7 42	-0.194	+0.091	+0.394
12		8.6 — 9.0	.....	+0.356	+0.230	+0.177	8 48	-0.194	+0.056	+0.394
							8 48	-0.198	+0.056	+0.394
12		11.4 — 11.6	-0.187	+0.365	+0.181	+0.174	11 30	-0.198	+0.090	+0.394
							11 30	-0.189	+0.090	+0.394
12	M.	14.3 — 14.5	-0.166	+0.402	+0.158	+0.181	14 24	-0.160	+0.124	+0.424
13		7.8 — 8.1	-0.170	+0.357	+0.138	+0.119	8 25—10 25	-0.179	+0.125	+0.354
13		10.7 — 10.9	-0.177	+0.363	+0.133	+0.110				
13	P.	14.5 — 14.7	-0.161	+0.319	+0.155	+0.172	15 5—17 10	-0.166	+0.090	+0.362
13		17.2 — 17.4	-0.173	+0.356	+0.156	+0.148				
13		22.4 — 22.7	-0.167	+0.326	+0.156	+0.202	22 5—22 10	-0.155	+0.073	+0.375
13		23.1 — 23.3	-0.182	+0.347	+0.147	+0.126	23 35—23 40	-0.187	+0.109	+0.351
14		2.4 — 2.5	-0.191	+0.322	+0.090	+0.150	2 10—2 15	-0.175	+0.119	+0.338
14		8.3 — 8.7	-0.184	+0.311	+0.107	+0.109	8 25—8 30	-0.183	+0.112	+0.311
							8 30	-0.176	+0.112	+0.311
14		11.3 — 11.5	-0.171	+0.344	+0.132	+0.139	11 24	-0.176	+0.112	+0.354
15	Hl.	9.2 — 9.5	-0.195	+0.325	+0.112	+0.093	10 0—12 25	-0.194	+0.120	+0.312
15		12.5 — 12.8	-0.200	+0.305	+0.082	+0.125				
15	M.	23.2 — 23.4	-0.185	+0.330	+0.061	+0.089	23 40—23 50	-0.184	+0.150	+0.302
16		1.8 — 2.0	-0.202	+0.309	+0.049	+0.093	2 15—2 20	-0.190	+0.147	+0.295
17	P.	11.5 — 11.7	-0.149	+0.343	+0.093	+0.101	12 0—14 15	-0.152	+0.139	+0.334
17		14.4 — 14.9	-0.160	+0.347	+0.103	+0.113	14 35—14 50	-0.157	+0.136	+0.340
20	P.	14.35—14.8	-0.117	+0.396	+0.213	+0.151	14 25—14 30	-0.134	+0.097	+0.410
20		17.3 — 17.5	-0.110	+0.405	+0.284	+0.230	14 36	-0.129	+0.097	+0.410
20		22.1 — 22.5	-0.113	+0.421	+0.247	+0.181	17 24	-0.129	+0.045	+0.464
20		23.5 — 23.8	-0.085	+0.431	+0.264	+0.256	22 20—22 25	-0.130	+0.088	+0.448
21		2.3 — 2.5	-0.109	+0.418	+0.161	+0.213	0 0—0 5	-0.087	+0.067	+0.497
21		8.0 — 8.2	-0.101	+0.396	+0.202	+0.182	2 40—2 45	-0.095	+0.126	+0.453
21		10.7 — 10.8	-0.113	+0.421	+0.210	+0.218	8 6	-0.108	+0.098	+0.425
							10 48	-0.108	+0.098	+0.463
21	Fk.	13.1 — 13.6	-0.105	+0.415	+0.205	+0.187	13 50—16 20	-0.114	+0.103	+0.454
21		16.5 — 16.8	-0.117	+0.427	+0.219	+0.210				
24	Fk.	0.5 — 0.7	-0.155	+0.282	+0.114	+0.184	0 10—0 15	-0.136	+0.072	+0.327
24		8.4 — 8.8	-0.152	+0.370	+0.138	+0.111	9 20—11 15	-0.162	+0.124	+0.346
24		11.4 — 11.8	-0.166	+0.332	+0.117	+0.119				
24	P.	14.5 — 14.7	-0.164	+0.342	+0.129	+0.087	14 36	-0.172	+0.124	+0.328
24		17.45—17.6	-0.169	+0.315	+0.136	+0.135	17 30	-0.172	+0.092	+0.328
24		18.5 — 18.6	-0.139	+0.364	+0.186	+0.077	18 15—18 20	-0.168	+0.107	+0.344
24		23.9 — 0.4	-0.143	+0.367	+0.182	+0.124				
25		8.7 — 8.9	-0.156	+0.316	+0.117	+0.082	8 20—8 25	-0.166	+0.114	+0.301
25		11.7 — 11.8	-0.141	+0.333	+0.139	+0.113	8 48	-0.157	+0.110	+0.301
							11 42	-0.157	+0.110	+0.333
25	M.	14.4 — 14.7	-0.130	+0.331	+0.143	+0.100	14 36	-0.141	+0.105	+0.325
25		17.3 — 17.5	-0.139	+0.386	+0.136	+0.132	17 24	-0.141	+0.138	+0.384
25		19.1 — 19.4	-0.131	+0.376	+0.149	+0.148	19 20—19 25	-0.131	+0.121	+0.386
25		22.8 .....	.....	+0.367	.....	.....	22 35—0 25	-0.128	+0.155	+0.368
25		23.7 — 23.9	-0.155	+0.347	+0.060	+0.159				
26		9.9 — 10.1	-0.194	+0.343	+0.037	+0.057	10 20—12 25	-0.199	+0.178	+0.290
26		12.7 — 12.8	-0.213	+0.322	+0.034	+0.048				
26	Fk.	20.1 — 20.5	-0.191	+0.339	+0.038	+0.071	20 20—20 25	-0.182	+0.177	+0.305
26		23.8 — 23.9	-0.216	+0.282	+0.073	-0.001	0 20—0 30	-0.236	+0.137	+0.227
27		3.3 — 3.5	-0.261	+0.287	+0.018	+0.048	3 5—3 10	-0.253	+0.159	+0.251
27	M.	7.9 — 8.3	-0.257	+0.226	-0.052	-0.021	8 25—10 20	-0.250	+0.178	+0.172
27		10.5 — 10.7	-0.258	+0.248	-0.034	-0.012				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.				Adopted.		
			c	b	a _n	a _s					c	n	m
1908		h h	s	s	s	s	h m h m				s	s	s
Mar. 27	Fk.	11.1 —11.5	−0.248	+0.263	−0.031	−0.005	11 18				−0.250	+0.184	+0.192
27		14.0 —14.1	−0.265	+0.227	−0.007	+0.018	14 6				−0.250	+0.141	+0.192
							14 6				−0.259	+0.132	+0.185
27	P.	17.3 —17.5	−0.231	+0.258	+0.043	+0.064	17 24				−0.226	+0.132	+0.239
Apr. 1	M.	0.2 — 0.4	−0.168	+0.334	+0.057	+0.082	0 45— 0 50				−0.162	+0.160	+0.309
3	Fk.	11.6 —11.8	.....	+0.395	+0.112	+0.142	12 0—13 50				−0.132	+0.144	+0.395
3		13.9 —14.1	−0.136	+0.402	+0.161	+0.127							
3	P.	16.7 —16.8	−0.135	+0.405	+0.156	+0.164	14 20—16 55				−0.139	+0.134	+0.406
3		0.4 — 0.5	−0.131	+0.367	+0.167	+0.171	0 50— 0 55				−0.130	+0.100	+0.392
4		3.4 — 3.6	−0.132	+0.341	+0.120	+0.132	3 40— 4 0				−0.129	+0.118	+0.347
4		11.7 —11.9	−0.123	+0.338	+0.170	+0.176	12 10—14 30				−0.130	+0.094	+0.378
4		14.6 —14.7	−0.134	+0.369	+0.165	+0.147							
5	M.	0.6 — 0.8	−0.159	+0.344	+0.068	+0.091	0 55— 1 5				−0.152	+0.158	+0.322
6		4.0 — 4.2	.....	+0.317	+0.116	+0.040	4 6				−0.195	+0.129	+0.284
6		5.9 — 6.1	−0.197	+0.319	+0.030	+0.062	6 0				−0.195	+0.170	+0.284
6		7.9 — 8.2	−0.194	+0.322	+0.038	+0.057	8 6				−0.194	+0.169	+0.275
6		11.4 —11.6	−0.200	+0.288	+0.059	+0.065	11 30				−0.194	+0.134	+0.275
6	Fk.	14.3 —14.5	−0.195	+0.320	+0.058	+0.061	14 50—17 15				−0.186	+0.160	+0.300
6		17.4 —17.75	−0.186	+0.339	+0.054	+0.080							
6		0.5 — 0.7	−0.211	+0.322	+0.028	+0.113	1 0— 1 10				−0.188	+0.162	+0.312
7		4.1 — 4.3	−0.236	+0.312	+0.044	+0.062	3 55— 4 0				−0.231	+0.158	+0.280
7		6.0 — 6.2	−0.223	+0.306	+0.012	+0.019	6 40— 6 45				−0.221	+0.181	+0.250
7		11.5 —11.7	−0.212	+0.313	+0.034	−0.004	12 10—12 50				−0.222	+0.178	+0.245
8	P.	7.7 — 7.8	−0.238	+0.256	+0.015	+0.027	7 30— 7 35				−0.235	+0.147	+0.215
8	M.	0.5 — 0.7	−0.226	+0.258	−0.023	+0.043	1 10— 1 15				−0.208	+0.165	+0.221
9		4.2 — 4.4	−0.191	+0.311	+0.005	+0.009	4 5— 4 10				−0.190	+0.191	+0.247
9		7.9 — 8.2	−0.198	+0.299	−0.004	+0.042	8 20— 9 25				−0.198	+0.168	+0.244
9		11.2 —11.3	−0.212	+0.277	+0.018	+0.030							
9	Fk.	15.2 —15.4	−0.205	+0.287	+0.024	+0.068	15 50—17 10				−0.189	+0.156	+0.266
9		17.8 —18.1	−0.187	+0.308	+0.042	+0.051							
10	P.	9.4 — 9.6	−0.173	+0.320	+0.060	+0.064	9 15— 9 20				−0.172	+0.154	+0.289
10		23.6 —23.8	−0.226	+0.276	+0.037	+0.035	23 55— 0 0				−0.219	+0.134	+0.224
10		0.9 — 1.0	−0.209	+0.243	+0.040	+0.032							
11		4.2 — 4.5	−0.202	+0.278	+0.015	+0.005	4 15— 4 20				−0.205	+0.165	+0.220
11		9.8 — 9.9	−0.183	+0.292	+0.040	+0.011	10 5—12 25				−0.196	+0.170	+0.228
11		12.45—12.6	−0.198	+0.287	+0.006	−0.010							
12	Fk.	9.8 —10.1	−0.169	+0.274	+0.001	+0.013	10 20—11 35				−0.170	+0.180	+0.224
12		11.5 —11.7	−0.176	+0.295	−0.008	+0.001	11 40—12 25				−0.174	+0.190	+0.228
12	M.	0.3 .....	.....	+0.314	.....	.....	0 5— 1 30				−0.166	+0.154	+0.261
12		1.0 — 1.1	−0.169	+0.279	+0.039	+0.050							
13		4.1 — 4.6	−0.236	+0.267	+0.018	+0.014	4 20— 4 25				−0.237	+0.155	+0.217
13		8.1 — 8.4	−0.239	+0.297	−0.040	−0.033	8 35— 9 25				−0.240	+0.216	+0.214
13		11.2 —11.5	−0.243	+0.305	−0.034	−0.030	11 40—11 45				−0.242	+0.217	+0.218
13	Fk.	15.4 —15.6	−0.213	+0.253	−0.032	−0.001	15 24				−0.204	+0.181	+0.192
13		18.3 —18.6	−0.168	+0.270	−0.013	−0.034	18 18				−0.173	+0.181	+0.192
14		0.75— 1.0	−0.139	+0.305	+0.031	−0.025	1 25— 1 35				−0.154	+0.180	+0.228
14		4.7 — 5.1	−0.163	+0.271	+0.006	−0.035	4 25— 4 30				−0.174	+0.174	+0.193
15	M.	1.0 — 1.2	−0.160	+0.283	+0.047	+0.059	1 35— 1 40				−0.157	+0.139	+0.256
16		4.8 — 4.9	−0.166	+0.286	+0.035	+0.022	4 35— 4 40				−0.169	+0.156	+0.238
16		11.7 —11.8	−0.148	+0.313	+0.028	+0.003	12 10—13 30				−0.154	+0.176	+0.255
16		13.6 —13.9	−0.143	+0.321	+0.047	+0.012	14 10—14 15				−0.153	+0.172	+0.261
16	Fk.	15.25—15.5	−0.143	+0.328	+0.029	+0.006	16 0—18 20				−0.150	+0.187	+0.264
16		18.5 —18.8	−0.143	+0.331	+0.035	+0.009							
16		0.8 — 1.1	−0.151	+0.360	+0.054	+0.077	0 30— 1 45				−0.145	+0.179	+0.326
17		5.1 — 5.3	−0.143	+0.376	+0.070	+0.008	4 40— 4 45				−0.159	+0.196	+0.304
17		15.2 —15.4	−0.130	+0.348	+0.098	+0.022	15 0—15 5				−0.151	+0.159	+0.293

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908		h h	s	s	s	s	h m h m	s	s	s
Apr. 17	P.	15.7 .....	.....	+0.309	.....	.....	15 50—17 40	-0.154	+0.134	+0.264
17		17.8 —17.9	-0.157	+0.290	+0.061	+0.063				
19	M.	15.4 —15.7	-0.174	+0.332	+0.004	-0.052	15 36	-0.190	+0.218	+0.228
19		18.2 —18.5	-0.182	+0.297	+0.018	-0.015	18 18	-0.190	+0.179	+0.228
19		1.0 .....	.....	+0.311	.....	.....	0 50—1 55	-0.180	+0.190	+0.228
19		1.2 —1.6	-0.178	+0.287	+0.001	-0.008				
20		4.6 —5.1	-0.249	+0.283	+0.009	+0.002	4 55—5 0	-0.251	+0.171	+0.223
20		11.5 —11.9	-0.233	+0.306	-0.034	-0.025	12 10—13 10	-0.213	+0.211	+0.214
20		13.2 .....	.....	+0.286	-0.042	-0.017	14 25—14 50	-0.213	+0.196	+0.210
20		15.0 —15.2	-0.204	+0.280	-0.020	-0.004				
20	P.	15.8 —15.9	-0.193	+0.286	-0.001	-0.033	15 48	-0.202	+0.187	+0.205
20		18.3 —18.45	-0.171	+0.262	+0.015	+0.058	18 24	-0.159	+0.144	+0.236
20		0.7 —1.1	-0.152	+0.291	+0.024	+0.042	0 55—1 0	-0.147	+0.160	+0.251
20		1.5 —1.7	-0.146	+0.285	+0.043	+0.040	1 55—2 0	-0.147	+0.145	+0.247
21		4.9 —5.2	-0.159	+0.284	-0.025	+0.007	5 0—5 5	-0.150	+0.191	+0.222
21		11.7 —11.9	-0.159	+0.257	-0.009	-0.017	12 10—13 10	-0.167	+0.168	+0.194
21		13.25—13.5	-0.165	+0.268	+0.010	-0.020	14 5—14 50	-0.176	+0.170	+0.197
21		14.9 —15.1	-0.168	+0.271	+0.006	-0.032				
21	Fk.	15.3 —15.6	-0.174	+0.255	-0.005	-0.020	15 50—18 5	-0.175	+0.175	+0.193
21		18.3 —18.6	-0.158	+0.285	+0.008	-0.043	19 0—19 5	-0.172	+0.184	+0.200
21		1.3 —1.5	-0.157	+0.297	+0.008	-0.046	1 0—2 5	-0.171	+0.193	+0.208
22		4.4 —4.6	-0.193	+0.304	+0.031	-0.036	5 0—5 5	-0.211	+0.182	+0.225
22		11.5 —11.75	-0.219	+0.267	-0.063	-0.072	12 10—13 30	-0.223	+0.211	+0.170
22		13.6 —13.9	-0.213	+0.271	-0.037	-0.055	14 20—15 10	-0.223	+0.198	+0.174
22		15.3 —15.6	-0.232	+0.251	-0.050	-0.038				
Instrument reversed to Clamp West. Collimation adjusted.										
30	P.	16.9 —17.1	-0.540	+0.289	+0.009	-0.031	17 10—18 50	-0.545	+0.192	+0.194
30		18.9 —19.2	-0.540	+0.264	-0.046	-0.042				
30		2.4 .....	.....	+0.237	.....	.....	2 30—2 35	-0.540	+0.159	+0.170
May 1		2.85—2.9	-0.536	.....	-0.010	-0.024				
1		5.8 —5.9	-0.533	+0.225	-0.011	+0.034	5 40—5 45	-0.521	+0.140	+0.192
1		11.7 —11.9	-0.534	+0.246	-0.015	+0.011	12 10—14 15	-0.530	+0.134	+0.188
1		14.5 —14.6	-0.526	+0.214	+0.011	+0.019				
1	Fk.	15.0 —15.4	-0.522	+0.222	+0.039	+0.003	15 35—18 5	-0.537	+0.118	+0.176
1		18.25—18.5	-0.530	+0.221	+0.039	-0.006				
1		1.7 —1.9	-0.473	+0.258	+0.054	+0.020	2 35—2 40	-0.482	+0.127	+0.217
2		11.5 —11.8	-0.486	+0.197	+0.029	-0.028	12 10—14 35	-0.502	+0.122	+0.154
2		14.7 —14.9	-0.498	+0.217	+0.015	-0.007				
9	Fk.	10.8 —11.0	-0.511	+0.242	+0.018	+0.052	10 35—13 35	-0.514	+0.120	+0.206
9		13.7 —14.0	-0.521	+0.227	+0.051	+0.026				
10	P.	11.1 —11.3	-0.485	+0.215	+0.060	0.000	11 20—11 25	-0.501	+0.102	+0.174
10		11.8 —12.0	-0.507	+0.230	+0.044	+0.007	12 10—14 35	-0.514	+0.111	+0.186
10		14.65—14.8	-0.513	+0.209	+0.035	+0.035				
10	M.	15.0 —15.3	.....	+0.198	+0.034	+0.002	15 35—18 5	-0.528	+0.110	+0.170
10		18.2 —18.4	-0.517	+0.223	+0.041	+0.009				
10		2.4 —2.8	-0.431	+0.198	-0.005	+0.024	3 10—3 15	-0.424	+0.121	+0.165
11		6.5 —6.7	-0.425	+0.153	-0.002	+0.012	6 20—6 25	-0.421	+0.095	+0.125
11		11.5 —11.7	-0.415	+0.168	+0.026	-0.017	12 10—14 40	-0.430	+0.102	+0.110
11		14.7 —14.85	-0.443	+0.132	-0.044	-0.005				
11	P.	2.9 —3.1	-0.421	+0.089	+0.054	-0.012	3 15—3 45	-0.412	+0.052	+0.095
12		3.9 —4.0	-0.402	+0.122	-0.017	+0.051				
12		6.6 —6.75	-0.393	+0.103	-0.027	+0.015	8 25—6 30	-0.382	+0.077	+0.085
12		11.4 —11.6	-0.415	+0.048	+0.009	-0.005	11 30	-0.419	+0.026	+0.035
12		13.2 —13.3	-0.402	+0.111	+0.018	-0.045	13 15	-0.419	+0.070	+0.064
12		15.9 —16.0	-0.401	+0.082	-0.008	+0.012	13 20—15 45	-0.408	+0.062	+0.066
12	Fk.	2.8 —3.1	-0.412	+0.066	-0.001	+0.052	3 15—3 25	-0.398	+0.030	+0.078
13		6.75—7.1	-0.396	+0.040	+0.022	+0.014	6 30—6 35	-0.398	+0.010	+0.041

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1908 May 13	M.	^h 2.8 — ^h 3.1	^s -0.411	^s +0.054	^s +0.002	[°] +0.002	^h 3 20— ^h 3 30	^s -0.411	^s +0.032	^s +0.043
17	P.	11.8 —11.95	-0.431	+0.077	+0.046	-0.004	11 54	-0.446	+0.024	+0.063
17		14.75—14.9	-0.439	+0.122	+0.021	-0.011	14 51	-0.446	+0.067	+0.091
17	M.	16.2 —16.6	-0.444	+0.126	+0.007	+0.005	16 55—19 25	-0.441	+0.084	+0.114
17		19.5 —19.7	-0.435	+0.160	+0.012	+0.005				
17		3.1 — 3.3	-0.459	+0.118	-0.015	+0.036	3 12	-0.442	+0.064	+0.109
18		5.6 — 5.9	-0.447	+0.072	-0.021	+0.012	5 45	-0.442	+0.064	+0.060
18		11.7 —11.9	-0.431	+0.089	-0.004	-0.011	12 10—13 55	-0.446	+0.044	+0.054
18		13.9 —14.1	-0.462	+0.050	-0.001	+0.012				
19	Fk.	3.3 — 3.5	-0.450	+0.120	-0.014	+0.014	3 45— 3 50	-0.443	+0.080	+0.099
20		11.5 —11.75	-0.449	+0.091	-0.005	-0.009	11 39	-0.446	+0.062	+0.066
20		14.8 —15.15	-0.442	+0.144	-0.008	-0.011	14 54	-0.446	+0.098	+0.105
21	P.	3.5 — 3.7	-0.423	+0.145	+0.024	-0.033	3 50— 5 10	-0.424	+0.072	+0.094
22		5.4 — 5.6	-0.422	+0.098	-0.011	+0.031				
22		11.7 —11.9	-0.418	+0.075	+0.006	-0.002	12 10—13 40	-0.416	+0.050	+0.062
22		13.9 —14.1	-0.418	+0.081	-0.015	+0.013				
23	M.	11.6 —11.9	-0.393	+0.081	+0.024	-0.009	12 10—14 40	-0.406	+0.044	+0.061
23		14.8 —14.9	-0.401	+0.088	+0.018	-0.018				
23	P.	16.5 —16.7	-0.427	+0.069	-0.011	-0.013	16 33	-0.418	+0.059	+0.045
23		19.5 —19.7	-0.411	+0.099	-0.008	+0.002	19 36	-0.418	+0.059	+0.077
23		23.75—23.9	-0.438	+0.063	+0.003	+0.024	23 40—23 45	-0.433	+0.032	+0.062
24	M.	16.4 —16.7	-0.436	+0.020	+0.003	+0.077	16 55—19 25	-0.425	-0.002	+0.052
24		19.5 —19.7	-0.428	+0.046	+0.040	+0.018				
24		0.2 — 0.4	-0.412	+0.036	+0.045	+0.035	0 35— 0 40	-0.415	-0.010	+0.051
24		3.5 — 3.7	-0.399	+0.016	+0.011	+0.058	3 36	-0.398	-0.008	+0.044
25		6.2 — 6.3	-0.399	-0.008	+0.064	+0.018	6 18	-0.398	-0.045	+0.010
25		11.8 —12.2	-0.409	-0.006	+0.027	+0.046	12 25—14 50	-0.405	-0.030	+0.033
25		14.9 —15.1	-0.411	+0.009	+0.041	+0.062				
25	P.	17.1 —17.3	-0.396	+0.030	+0.062	+0.055	17 12	-0.401	-0.020	+0.058
25		20.0 —20.2	-0.402	+0.069	+0.073	+0.067	20 6	-0.401	-0.020	+0.096
25		3.7 — 3.9	-0.408	+0.008	+0.087	+0.085				
26		5.9 — 6.0	-0.393	+0.027	+0.063	+0.077				
26		7.3 — 7.4	-0.390	-0.025	+0.052	+0.102				
26	Fk.	16.9 —17.1	-0.399	+0.043	+0.059	+0.049	17 30—19 55	-0.401	-0.010	+0.072
26		20.1 —20.25	-0.405	+0.053	+0.043	+0.061				
26		3.5 — 3.75	-0.402	-0.005	+0.076	+0.039	4 15— 4 20	-0.412	-0.054	+0.024
27		6.1 — 6.3	-0.384	+0.054	+0.038	+0.059	5 40— 7 15	-0.379	0.000	+0.076
27		12.2 —12.3	-0.398	-0.001	+0.067	+0.045	12 15	-0.399	-0.048	+0.042
27		15.25—15.45	-0.396	+0.037	+0.032	+0.041	15 24	-0.399	-0.004	+0.042
27	M.	16.9 —17.3	-0.380	+0.057	+0.061	+0.031	17 30—19 55	-0.395	-0.008	+0.074
27		20.0 —20.3	-0.407	+0.051	+0.049	+0.067				
27		3.8 — 4.0	-0.392	+0.041	+0.066	+0.057	4 15— 5 55	-0.384	-0.032	+0.062
28		6.1 — 6.2	-0.376	+0.020	+0.065	+0.069	7 10— 7 15	-0.375	-0.039	+0.058
28		12.3 —12.5	-0.377	+0.008	+0.060	+0.062	12 40—15 10	-0.384	-0.034	+0.057
28		15.2 —15.4	-0.392	+0.037	+0.063	+0.063				
28	P.	17.1 —17.3	-0.397	+0.047	+0.056	+0.070	17 12	-0.392	-0.017	+0.072
28		19.6 —19.9	-0.399	+0.052	+0.008	+0.042	19 45	-0.392	+0.019	+0.072
31	Fk.	16.7 —16.9	-0.403	+0.087	+0.005	+0.015	15 40—16 35	-0.400	+0.049	+0.076
31		4.2 — 4.3	-0.421	+0.099	-0.021	-0.004	4 35— 6 20	-0.418	+0.068	+0.070
June 1		6.6 — 6.8	-0.418	+0.092	-0.005	-0.007	7 20— 7 25	-0.419	+0.062	+0.067
1		12.3 —12.5	-0.405	+0.142	+0.008	-0.014	12 27	-0.414	+0.087	+0.109
1		15.5 —15.7	-0.445	+0.196	-0.032	-0.068	15 39	-0.458	+0.156	+0.109

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908		h h	s	s	s	s	h m h m	s	s	s
June 1	P.	17.4 —17.6	-0.452	+0.195	-0.028	-0.056	17 30	-0.460	+0.151	+0.125
1		20.4 —20.6	-0.453	+0.224	-0.048	-0.076	20 30	-0.460	+0.184	+0.125
1		4.3 — 4.5	-0.462	+0.126	-0.008	-0.025	4 35— 4 45	-0.455	+0.094	+0.082
2		5.9 — 6.1	-0.435	+0.133	-0.012	-0.045	6 20— 7 45	-0.432	+0.087	+0.072
2		7.65— 7.9	-0.415	+0.103	-0.006	-0.025				
2		12.7 —12.9	-0.429	+0.082	-0.058	-0.014	13 5—15 35	-0.431	+0.071	+0.045
2		15.65—15.9	-0.429	+0.082	+0.011	-0.047				
2	Fk.	17.2 —17.5	-0.437	+0.096	-0.005	-0.017	17 21	-0.440	+0.067	+0.065
2		20.5 —20.7	-0.444	+0.128	-0.020	-0.002	20 36	-0.440	+0.093	+0.096
4	M.	12.8 —13.0	-0.420	+0.143	+0.028	+0.002	13 10—15 45	-0.434	+0.086	+0.110
4		15.8 —16.1	-0.430	+0.155	+0.011	-0.033				
4	P.	18.4 —18.6	-0.442	+0.138	+0.028	-0.004	18 30	-0.438	+0.068	+0.108
4		19.9 —20.2	-0.424	+0.153	-0.005	+0.090	20 3	-0.438	+0.068	+0.145
4		4.5 — 4.7	-0.457	+0.159	+0.042	+0.022	4 50— 4 55	-0.457	+0.072	+0.133
5		6.1 — 6.3	-0.432	+0.123	+0.007	0.000	6 35— 7 30	-0.434	+0.082	+0.112
5		7.7 — 7.9	-0.435	+0.153	+0.006	+0.012				
5		10.45—10.6	-0.409	+0.093	-0.009	-0.013	10 15—10 20	-0.410	+0.067	+0.065
5		12.7 —12.9	-0.443	+0.081	-0.005	+0.004	13 15—15 45	-0.439	+0.065	+0.063
5		15.8 —16.0	-0.431	+0.103	-0.010	-0.035				
5	Fk.	17.2 —17.65	-0.445	+0.120	-0.008	-0.005	17 50—19 35	-0.446	+0.081	+0.094
5		19.8 —20.1	-0.450	+0.124	-0.005	+0.001				
6		12.7 —13.2	-0.450	+0.100	-0.006	-0.001	12 57	-0.449	+0.066	+0.076
6		15.9 —16.1	-0.460	+0.166	-0.007	+0.048	16 3	-0.449	+0.098	+0.154
7	P.	11.4 —11.7	-0.434	+0.097	+0.031	+0.018	11 50—11 55	-0.437	+0.040	+0.088
7		13.0 —13.2	-0.428	+0.088	-0.001	-0.001	13 25—15 45	-0.432	+0.060	+0.072
7		15.9 —16.2	-0.425	+0.112	+0.022	-0.024				
7	M.	17.2 —17.6	-0.437	+0.110	-0.013	+0.005	17 50—20 20	-0.442	+0.070	+0.085
7		20.4 —20.6	-0.451	+0.109	+0.005	-0.001				
7		4.5 — 4.7	-0.431	+0.077	0.000	+0.015	4 36	-0.424	+0.036	+0.068
8		7.0 — 7.2	-0.413	+0.038	-0.007	-0.003	7 6	-0.424	+0.036	+0.027
8		13.2 —13.5	-0.397	+0.055	-0.003	-0.024	12 35—12 40	-0.402	+0.042	+0.030
8							13 21	-0.412	+0.047	+0.030
8							16 24	-0.412	+0.047	+0.061
8	P.	17.6 —17.8	-0.405	+0.095	+0.040	+0.001	17 42	-0.422	+0.037	+0.078
8		20.6 —20.8	-0.425	+0.158	+0.024	+0.017	20 42	-0.422	+0.085	+0.130
9		5.2 — 5.3	-0.432	+0.014	-0.027	+0.015	5 5— 5 15	-0.421	+0.021	+0.015
9		6.8 — 7.1	-0.406	+0.102	+0.015	+0.037	6 50— 6 55	-0.400	+0.026	+0.046
9		7.8 — 8.0	-0.392	+0.028	+0.015	+0.001	7 30— 7 35	-0.396	+0.026	+0.046
9		13.7 —13.9	-0.403	+0.055	+0.002	+0.021	13 25—14 15	-0.398	+0.034	+0.059
9		14.4 —14.6	-0.399	+0.071	+0.005	+0.014				
10	Fk.	5.4 — 5.7	-0.409	+0.069	-0.044	+0.029	5 10— 5 15	-0.390	+0.061	+0.063
10		7.8 — 8.05	-0.410	+0.073	+0.011	-0.008	7 30— 7 35	-0.402	+0.051	+0.058
11	M.	14.1 —14.4	-0.415	+0.087	-0.001	-0.043	14 35—15 45	-0.427	+0.079	+0.053
11		15.9 —16.1	-0.425	+0.109	-0.027	-0.040				
11	P.	17.5 —17.8	-0.411	+0.126	-0.044	0.000	17 36	-0.399	+0.096	+0.093
11		20.6 —20.8	-0.439	+0.126	-0.015	-0.007	20 45	-0.437	+0.096	+0.093
11		4.9 — 5.1	-0.433	+0.130	+0.008	+0.022	5 20— 5 25	-0.426	+0.072	+0.103
12		7.3 — 7.45	-0.412	+0.085	-0.001	-0.068	7 0— 7 35	-0.418	+0.062	+0.050
12		7.8 — 8.0	-0.402	+0.091	+0.015	-0.017				
12		13.5 —13.7	-0.417	+0.082	-0.017	+0.004	13 55—16 20	-0.410	+0.068	+0.070
12		16.4 —16.6	-0.402	+0.115	+0.002	-0.026				
12	Fk.	17.5 —17.9	-0.420	+0.107	+0.003	-0.002	18 5—20 30	-0.434	+0.052	+0.076
12		20.75—21.0	-0.437	+0.088	+0.031	-0.001				
12		4.8 — 5.0	-0.432	+0.088	+0.006	-0.065	4 54	-0.451	+0.066	+0.023
13		7.7 — 7.9	-0.399	+0.016	-0.021	+0.002	7 48	-0.393	+0.022	+0.023
13		13.8 —14.1	-0.412	+0.064	-0.046	-0.043	14 35—16 55	-0.406	+0.074	+0.036
13		17.2 —17.35	-0.404	+0.082	-0.030	-0.024				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908										
June 13	P.	^h 17.6 — ^h 17.75	^s -0.419	^s +0.073	^s -0.035	^s -0.016	^h 17 5 — ^m 17 10	^s -0.406	^s +0.074	^s +0.036
13		20.6 — 20.9	-0.409	+0.117	-0.003	-0.019	17 39	-0.414	+0.074	+0.045
14		14.3 — 14.5	-0.406	+0.081	-0.032	-0.020	20 45	-0.414	+0.074	+0.081
14		17.2 — 17.35	-0.414	+0.026	-0.022	+0.011	14 45—16 55	-0.404	+0.050	+0.036
14	M.	18.3 — 18.5	-0.405	+0.112	-0.028	-0.024	18 10—18 15	-0.404	+0.091	+0.072
15	P.	18.5 — 18.8	-0.453	+0.091	-0.066	-0.029	18 36	-0.443	+0.100	+0.046
15		21.2 — 21.4	-0.470	+0.132	-0.092	-0.095	21 18	-0.471	+0.155	+0.046
15		5.2 — 5.4	-0.470	+0.149	-0.027	-0.046	5 35— 7 35	-0.468	+0.120	+0.093
16		7.4 — 7.7	-0.467	+0.145	-0.048	-0.020				
16		14.2 — 14.4	-0.460	+0.114	-0.042	-0.021	14 35—17 0	-0.460	+0.091	+0.057
16		17.0 — 17.2	-0.473	+0.075	-0.054	-0.024				
16	Fk.	18.2 — 18.3	-0.462	+0.133	-0.030	-0.056	18 0—18 5	-0.469	+0.112	+0.071
16		21.4 — 21.5	-0.477	+0.142	-0.058	-0.031	18 40—21 15	-0.470	+0.120	+0.080
16		5.1 — 5.3	-0.463	+0.105	+0.002	-0.042	5 40— 5 45	-0.475	+0.074	+0.059
17		13.9 — 14.2	-0.448	+0.067	-0.089	-0.028	14 6	-0.442	+0.097	+0.040
17		16.25—16.4	-0.450	+0.123	-0.070	-0.072	16 21	-0.442	+0.132	+0.040
17	M.	5.2 — 5.5	-0.442	+0.110	-0.047	-0.055	5 45— 5 50	-0.444	+0.108	+0.052
18		14.0 — 14.4	-0.435	+0.039	-0.070	-0.065	14 35—17 0	-0.433	+0.074	-0.003
18		17.0 — 17.2	-0.434	+0.046	-0.055	-0.046				
18	P.	18.6 — 18.8	-0.429	+0.058	-0.040	-0.030	19 0—21 10	-0.435	+0.064	+0.029
18		21.3 — 21.5	-0.436	+0.075	-0.011	-0.049				
18		22.6 — 22.8	-0.441	+0.056	-0.043	-0.017				
18		5.5 — 5.7	-0.410	+0.091	-0.012	-0.039	5 36	-0.410	+0.073	+0.048
19		7.8 — 7.9	-0.412	+0.054	-0.021	+0.015	7 51	-0.410	+0.042	+0.048
19		14.1 — 14.4	-0.408	+0.024	-0.030	+0.020	14 35—16 35	-0.392	+0.022	+0.038
19		16.4 — 16.7	-0.393	+0.046	+0.011	+0.023				
20	Fk.	14.9 — 15.1	-0.399	+0.010	+0.013	+0.015	15 0	-0.394	-0.004	+0.018
20		17.6 — 17.7	-0.390	+0.062	+0.011	+0.012	17 42	-0.394	+0.030	+0.056
20	P.	18.5 — 18.7	-0.383	+0.041	+0.027	+0.014	18 0—18 5	-0.386	+0.008	+0.043
20		21.3 — 21.5	-0.396	+0.064	+0.032	+0.010	18 55—21 10	-0.394	+0.014	+0.050
20		0.45— 0.6	-0.395	+0.061	-0.001	+0.028	0 15— 0 20	-0.388	+0.032	+0.062
21	M.	0.8 — 1.0	-0.398	+0.103	-0.032	+0.013	1 10— 1 15	-0.386	+0.080	+0.083
21		5.5 — 5.75	-0.396	+0.065	-0.004	-0.004	6 0— 6 5	-0.396	+0.044	+0.048
22	Fk.	18.6 — 18.8	-0.394	+0.056	-0.003	+0.018	18 42	-0.387	+0.032	+0.066
22		21.75—21.9	-0.388	+0.099	-0.005	+0.005	21 51	-0.387	+0.064	+0.066
22		1.7 — 1.8	-0.410	+0.073	-0.001	+0.028	2 0— 2 5	-0.403	+0.039	+0.071
22		5.6 — 5.7	-0.379	+0.045	+0.028	-0.032	6 5— 6 10	-0.395	+0.020	+0.022
23		14.1 — 14.3	-0.360	+0.014	-0.014	-0.004	14 45—17 5	-0.364	+0.014	+0.020
23		17.2 — 17.4	-0.376	+0.026	+0.004	+0.022				
23	M.	18.4 — 18.8	-0.367	+0.052	+0.001	0.000	18 36	-0.370	+0.041	+0.040
23		21.6 — 21.8	-0.384	+0.077	-0.011	+0.028	21 42	-0.370	+0.041	+0.073
23		3.0 — 3.2	-0.383	+0.043	-0.011	+0.002	2 50— 2 55	-0.380	+0.032	+0.033
23		5.5 — 5.75	-0.375	+0.018	-0.014	+0.009	5 36	-0.369	+0.012	+0.031
24		6.95— 7.6	-0.340	+0.038	+0.022	+0.022	7 30	-0.340	+0.012	+0.031
25	Fk.	6.4 — 6.6	-0.379	+0.049	-0.037	-0.023	6 10— 6 20	-0.375	+0.056	+0.022
26	M.	14.6 — 14.8	-0.384	+0.057	-0.040	-0.066	14 42	-0.392	+0.072	+0.014
26		17.3 — 17.5	-0.400	+0.079	-0.084	-0.056	17 24	-0.392	+0.108	+0.014
26	Fk.	19.5 — 19.8	-0.399	+0.082	-0.023	-0.075	19 39	-0.422	+0.081	+0.022
26		21.9 — 22.1	-0.422	+0.127	-0.026	-0.057	22 0	-0.422	+0.107	+0.066
27		14.7 — 14.8	-0.403	+0.071	-0.053	-0.058	14 42	-0.404	+0.078	+0.032
27		17.7 — 17.9	-0.421	+0.093	-0.001	-0.049	17 42	-0.434	+0.078	+0.032
28	M.	18.6 — 18.9	-0.402	+0.067	-0.065	-0.081	19 5—21 10	-0.406	+0.096	+0.010
28		21.3 — 21.5	-0.401	+0.077	-0.053	-0.074				
29		14.9 — 15.2	-0.367	-0.010	-0.030	-0.055	15 0	-0.374	+0.023	-0.028
29		17.7 — 17.8	-0.369	+0.031	-0.047	-0.075	17 45	-0.374	+0.062	-0.028

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908		h h	s	°	s	s	h m h m	s	s	°
July 1	M.	14.9 —15.2	-0.384	-0.016	-0.066	-0.046	15 35—18 5	-0.384	+0.040	-0.036
1		18.2 —18.3	-0.388	+0.004	-0.050	-0.050				
1	Fk.	18.55—18.9	-0.386	+0.002	-0.058	-0.030	18 42	-0.382	+0.048	-0.021
1		21.7 —22.0	-0.386	+0.056	-0.028	-0.029	21 48	-0.382	+0.048	+0.026
2		10.1 —10.2	-0.374	-0.023	-0.050	-0.041	9 55—10 0	-0.372	+0.023	-0.045
5	M.	18.8 —19.1	-0.378	+0.007	-0.048	-0.073	18 57	-0.382	+0.048	-0.037
5		21.4 —21.7	-0.392	+0.055	-0.071	-0.026	21 33	-0.382	+0.079	+0.022
5		6.5 —6.7	-0.365	+0.030	-0.069	-0.070				
5		15.0 —15.2	-0.364	-0.043	-0.072	-0.043	15 6	-0.361	+0.026	-0.064
6		18.0 —18.2	-0.369	-0.009	-0.050	-0.033	18 6	-0.361	+0.026	-0.030
5	P.	18.9 —19.3	-0.354	+0.005	-0.018	-0.043	19 5—20 50	-0.362	+0.030	-0.006
5		20.9 —21.1	-0.367	+0.025	-0.032	-0.016	21 25—22 40	-0.370	+0.038	+0.002
6		22.8 —22.9	-0.374	+0.024	-0.027	-0.038				
6		6.6 —6.8	-0.374	-0.006	-0.010	-0.019	7 0—7 10	-0.376	+0.006	-0.015
7		13.5 —13.6	-0.371	-0.016	-0.056	-0.046	13 50—13 55	-0.368	+0.032	-0.042
8	Fk.	6.5 —6.8	-0.373	+0.051	-0.018	-0.053	7 5—7 15	-0.383	+0.054	+0.009
8		14.9 —15.1	-0.389	+0.034	-0.052	-0.035	15 3	-0.384	+0.058	0.000
8		18.0 —18.25	-0.398	+0.040	-0.099	-0.043	18 12	-0.384	+0.090	0.000
8	M.	19.6 —19.9	-0.395	+0.043	-0.065	-0.079	19 45	-0.404	+0.080	-0.015
8		22.5 —22.7	-0.410	+0.091	-0.083	-0.081	22 36	-0.404	+0.122	+0.021
8		6.5 —7.0	-0.396	+0.069	.....	.....	7 10—7 20	-0.390	+0.120	-0.001
9		7.5 —7.6	.....	.....	-0.107	-0.082				
9		15.1 —15.4	-0.415	+0.048	-0.056	-0.095	15 12	-0.422	+0.082	-0.006
9		17.3 —17.5	-0.412	+0.090	-0.078	-0.106	17 24	-0.422	+0.124	-0.006
9	P.	6.9 —7.1	-0.428	+0.053	-0.073	-0.069	7 15—7 20	-0.427	+0.089	-0.003
10		15.5 —15.7	-0.428	+0.045	-0.100	-0.061	15 50—19 0	-0.420	+0.101	-0.020
10		17.3 —17.5	-0.427	+0.029	-0.111	-0.096				
10		19.2 —19.35	-0.425	+0.049	-0.098	-0.083				
10	Fk.	19.5 —19.8	-0.425	+0.055	-0.060	-0.056	20 10—22 40	-0.430	+0.093	+0.004
10		22.75—23.0	-0.442	+0.062	-0.093	-0.072				
10		6.9 —7.1	-0.408	+0.072	-0.050	-0.039	7 20—7 25	-0.405	+0.081	+0.030
11		15.5 —15.7	-0.402	+0.070	-0.104	-0.069	15 39	-0.404	+0.117	+0.008
11		18.2 —18.35	-0.402	+0.024	-0.047	-0.103	18 18	-0.404	+0.064	-0.040
12	M.	6.9 —7.2	-0.365	+0.035	-0.054	-0.105	7 25—7 35	-0.379	+0.075	-0.034
13		15.3 —15.5	-0.344	-0.029	-0.078	-0.114				
13		17.1 —17.2	.....	+0.007	-0.056	-0.082	17 30—19 0	-0.356	+0.059	-0.038
13		18.2 —18.4	-0.348	+0.023	-0.056	-0.083				
13	P.	19.7 —20.1	-0.376	+0.015	-0.048	-0.026	19 54	-0.360	+0.042	-0.002
13		22.65—22.9	-0.346	+0.059	-0.052	-0.072	22 48	-0.360	+0.082	-0.002
13		6.7 —6.9	-0.396	-0.016	-0.081	-0.072	6 35—7 40	-0.383	+0.056	-0.054
13		7.4 .....	.....	+0.002	.....	.....		
14		7.7 —7.8	-0.370	.....	-0.075	-0.081				
14	Fk.	7.0 —7.2	-0.367	+0.021	-0.057	-0.073	7 35—7 40	-0.371	+0.062	-0.028
15		15.7 —15.9	-0.375	+0.021	-0.074	-0.107	15 48	-0.386	+0.076	-0.048
15		18.5 —18.7	-0.399	+0.027	-0.087	-0.045	18 39	-0.386	+0.076	-0.011
15	M.	19.6 —19.9	-0.399	+0.038	-0.066	-0.088	19 45	-0.418	+0.087	-0.023
15		22.8 —23.0	-0.430	+0.072	-0.060	-0.067	22 54	-0.418	+0.087	+0.014
15		7.1 —7.4	-0.405	+0.106	-0.048	-0.111	6 30—7 45	-0.422	+0.118	+0.019
16		15.8 —16.0	-0.393	+0.051	-0.085	-0.105	16 20—19 5	-0.407	+0.102	-0.019
16		18.8 —19.2	-0.423	+0.046	-0.102	-0.075				
16	P.	19.7 —20.0	-0.426	+0.055	-0.104	-0.064	20 10—23 10	-0.418	+0.118	+0.003
16		22.6 —22.8	-0.444	+0.067	-0.137	-0.057				
16		6.1 —6.4	-0.437	+0.046	-0.056	-0.085	6 18	-0.432	+0.078	-0.018
16		7.6 .....	.....	+0.049	.....	.....	7 48	-0.432	+0.129	-0.018
17		7.9 —8.0	-0.435	.....	-0.142	-0.085				
17		15.7 —15.9	-0.412	+0.009	-0.127	-0.064	16 0—19 15	-0.393	+0.088	-0.037
17		18.3 —18.5	-0.409	+0.008	-0.120	-0.056				
17		19.5 —19.7	-0.402	+0.019	-0.109	-0.075				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1908		h h	s	s	s	s	h m h m	s	s	s
July 18	P.	22. 05—22. 2	−0. 389	+0. 020	−0. 068	−0. 053	22 15—23 20	−0. 378	+0. 062	−0. 019
18		23. 6 —23. 9	−0. 376	+0. 021	−0. 067	−0. 051				
18		1. 0 — 1. 2	−0. 374	+0. 030	−0. 076	−0. 068	0 55— 1 0	−0. 372	+0. 069	−0. 019
19	M.	1. 9 — 2. 2	−0. 377	+0. 033	−0. 062	−0. 082	1 45— 1 50	−0. 382	+0. 074	−0. 023
19		5. 8 — 6. 0	−0. 396	+0. 027	−0. 034	−0. 075	1 25— 8 0	−0. 404	+0. 056	−0. 036
19		7. 4 — 7. 7	−0. 396	+0. 005	−0. 069	−0. 088				
20		15. 8 —16. 0	−0. 373	−0. 016	−0. 044	−0. 094	15 54	−0. 384	+0. 036	−0. 054
20		18. 8 —19. 2	−0. 378	+0. 030	−0. 094	−0. 105	19 3	−0. 384	+0. 095	−0. 054
20	P.	19. 7 —19. 9	−0. 392	+0. 007	−0. 116	−0. 092	20 10—22 20	−0. 384	+0. 103	−0. 054
20		22. 6 —22. 7	−0. 397	+0. 018	−0. 152	−0. 095				
20		2. 4 — 2. 8	−0. 393	+0. 057	−0. 070	−0. 085	2 35— 2 40	−0. 397	+0. 094	−0. 008
27	P.	16. 3 —16. 75	−0. 389	+0. 053	−0. 082	−0. 074	16 25—18 20	−0. 385	+0. 092	−0. 008
27		18. 5 —18. 7	−0. 399	+0. 040	−0. 087	−0. 059	18 36	−0. 385	+0. 087	−0. 009
27		20. 3 —20. 5	−0. 371	+0. 103	−0. 061	−0. 083	20 24	−0. 385	+0. 117	+0. 030
28	Fk.	8. 0 — 8. 2	−0. 386	+0. 062	−0. 063	−0. 102	8 25— 8 35	−0. 397	+0. 096	−0. 011
28		17. 4 —17. 5	−0. 402	+0. 021	−0. 095	−0. 075	17 27	−0. 392	+0. 082	−0. 033
28		20. 5 —20. 6	−0. 397	+0. 078	−0. 108	−0. 075	20 33	−0. 392	+0. 127	+0. 010
28	P.	21. 1 —21. 3	−0. 386	+0. 098	−0. 099	−0. 115	21 25—23 55	−0. 393	+0. 131	0. 000
28		0. 0 — 0. 1	−0. 410	+0. 057	−0. 122	−0. 069				
28		6. 1 — 6. 3	−0. 421	+0. 029	−0. 070	−0. 078	6 12	−0. 423	+0. 090	−0. 012
28		7. 45— 7. 6	−0. 386	+0. 069	−0. 076	−0. 083	7 33	−0. 388	+0. 090	−0. 012
29		8. 7 — 8. 8	−0. 393	+0. 040	−0. 096	−0. 091				
29		17. 4 —17. 6	−0. 410	−0. 007	−0. 099	−0. 088	17 27	−0. 400	+0. 079	−0. 062
29		20. 5 —20. 7	−0. 387	+0. 037	−0. 078	−0. 100	20 36	−0. 400	+0. 079	−0. 032
29	Fk.	21. 1 —21. 25	−0. 407	+0. 026	−0. 100	−0. 088	21 25—22 45	−0. 408	+0. 103	−0. 024
29		22. 8 —22. 95	−0. 413	+0. 062	−0. 098	−0. 094				
29		8. 1 — 8. 3	−0. 406	+0. 008	−0. 086	−0. 079	8 35— 8 40	−0. 404	+0. 070	−0. 043
30		17. 5 —17. 65	−0. 417	−0. 005	−0. 124	−0. 104	17 50—18 5	−0. 412	+0. 089	−0. 072
30	P.	21. 9 —22. 1	−0. 406	+0. 027	−0. 091	−0. 112	22 15—23 25	−0. 408	+0. 100	−0. 040
30		23. 6 —23. 8	−0. 405	+0. 041	−0. 105	−0. 103				
31	Fk.	8. 3 — 8. 5	−0. 404	+0. 038	−0. 073	−0. 075	8 40— 8 50	−0. 405	+0. 081	−0. 017
Aug. 1		17. 3 —17. 5	−0. 412	+0. 031	−0. 082	−0. 065	17 50—20 25	−0. 410	+0. 092	−0. 024
1		20. 5 —20. 7	−0. 415	+0. 040	−0. 103	−0. 096				
2	P.	21. 9 —22. 1	−0. 390	+0. 034	−0. 076	−0. 091	22 15— 1 0	−0. 389	+0. 096	−0. 020
2		0. 6 — 1. 1	−0. 383	+0. 062	−0. 087	−0. 091				
2		6. 1 — 6. 3	−0. 388	+0. 040	−0. 028	−0. 114	6 25— 7 45	−0. 393	+0. 068	−0. 038
2		7. 9 — 8. 1	−0. 380	+0. 005	−0. 078	−0. 089	8 50— 8 55	−0. 391	+0. 059	−0. 054
3		8. 8 — 9. 15	−0. 396	−0. 010	−0. 072	−0. 082				
3		13. 4 —13. 7	−0. 380	−0. 052	−0. 040	−0. 050	13 30—13 35	−0. 383	0. 000	−0. 071
3		17. 4 —17. 6	−0. 367	−0. 029	−0. 082	−0. 077	17 30	−0. 368	+0. 048	−0. 072
3		20. 5 —20. 7	−0. 367	+0. 005	−0. 062	−0. 072	20 36	−0. 368	+0. 048	−0. 040
3	Fk.	20. 9 —21. 2	−0. 373	+0. 006	−0. 052	−0. 091	21 25—23 55	−0. 392	+0. 052	−0. 057
3		0. 0 — 0. 2	−0. 392	−0. 011	−0. 068	−0. 094				
3		6. 7 — 6. 9	−0. 366	+0. 021	−0. 081	−0. 088	6 45	−0. 366	+0. 077	−0. 037
3		8. 0	−0. 021	.....	.....	.....	8 33	−0. 366	+0. 020	−0. 037
3		8. 35— 8. 6	−0. 361	−0. 004	−0. 033	−0. 044				
4		14. 2 —14. 6	−0. 354	−0. 055	−0. 054	−0. 061	14 20—14 25	−0. 356	+0. 009	−0. 080
4		17. 4 —17. 6	−0. 360	−0. 059	−0. 044	−0. 034	17 50—20 25	−0. 364	+0. 004	−0. 070
4		20. 5 —20. 7	−0. 370	−0. 048	−0. 056	−0. 055				
4	P.	21. 9 —22. 1	−0. 365	−0. 023	−0. 058	−0. 036	22 25— 1 0	−0. 358	+0. 038	−0. 044
4		0. 6 — 1. 1	−0. 353	+0. 002	−0. 059	−0. 077				
4		7. 7 — 8. 1	−0. 377	−0. 059	−0. 052	−0. 059	7 55— 9 5	−0. 366	+0. 020	−0. 076
5		8. 9 — 9. 2	−0. 353	−0. 034	−0. 071	−0. 072				
6	P.	6. 8 — 7. 0	−0. 368	+0. 033	−0. 071	−0. 061	6 30— 6 35	−0. 365	+0. 074	−0. 013
7		16. 7 —16. 95	−0. 391	+0. 019	−0. 104	−0. 094	17 5—18 5	−0. 397	+0. 080	−0. 046
7		18. 4 —18. 6	−0. 409	+0. 005	−0. 089	−0. 078				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908 Aug. 7	Fk.	h h 6.8 — 7.0	s -0.392	s +0.075	s -0.109	s -0.122	h m h m 6 30— 6 35	s -0.395	s +0.135	s -0.017
9	Fk.	17.2 —17.35	-0.409	+0.064	-0.109	-0.079	17 30—18 5	-0.408	+0.126	+0.003
9		18.3 —18.5	-0.415	+0.091	-0.099	-0.098	18 55—20 15	-0.422	+0.139	0.000
9		20.35—20.6	-0.434	+0.079	-0.127	-0.113				
9	P.	21.9 —22.2	-0.417	+0.013	-0.104	-0.133	22 3	-0.428	+0.152	+0.004
9		0.7 — 1.1	-0.432	+0.123	-0.139	-0.144	0 54	-0.428	+0.187	+0.004
9		6.2 — 6.4	-0.421	+0.066	-0.157	-0.130	6 35— 6 40	-0.414	+0.153	-0.030
9		9.0 — 9.2	-0.425	+0.063	-0.101	-0.078	8 35— 8 40	-0.419	+0.120	-0.008
10		17.6 —17.8	-0.407	+0.044	-0.133	-0.134	17 42	-0.412	+0.132	-0.044
10		20.6 —20.7	-0.416	+0.035	-0.099	-0.103	20 39	-0.412	+0.100	-0.044
10	Fk.	21.0 —21.25	-0.417	+0.032	-0.120	-0.085	21 25—23 55	-0.418	+0.106	-0.035
10		0.0 — 0.2	-0.428	+0.037	-0.109	-0.108				
10		6.8 — 7.05	-0.434	+0.026	-0.057	-0.052	6 35— 9 30	-0.420	+0.080	-0.039
10		8.9 — 9.1	-0.403	+0.017	-0.092	-0.108				
11		17.3 —17.6	-0.384	+0.003	-0.085	-0.117	17 50—20 25	-0.396	+0.066	-0.073
11		20.55—20.7	-0.398	-0.027	-0.098	-0.101	21 30—21 40	-0.403	+0.066	-0.073
11		21.8 —21.9	-0.409	-0.015	-0.094	-0.088				
11	Fk.	6.9 — 7.05	-0.389	+0.021	-0.072	-0.110	6 57	-0.399	+0.081	-0.054
11		9.1 — 9.3	-0.379	-0.006	-0.124	-0.083	9 12	-0.368	+0.081	-0.054
12	Fk.	22.9 —23.0	-0.383	-0.048	-0.101	-0.081	22 57	-0.381	+0.052	-0.090
12		1.45— 1.7	-0.377	+0.009	-0.063	-0.091	1 36	-0.381	+0.052	-0.046
12		6.9 — 7.0	-0.361	+0.017	-0.078	-0.121	6 57	-0.380	+0.081	-0.059
12		8.8 — 9.2	-0.374	-0.042	-0.040	-0.110	9 0	-0.380	+0.024	-0.089
13	P.	23.1 —23.4	-0.382	-0.035	-0.106	-0.069	23 35— 1 50	-0.371	+0.047	-0.066
13		1.9 — 2.1	-0.377	-0.026	-0.085	-0.056				
13		6.3 — 6.6	-0.373	-0.021	-0.095	-0.056	6 40— 6 45	-0.362	+0.053	-0.056
14		9.7 — 9.9	-0.366	-0.052	-0.100	-0.096	9 30— 9 40	-0.365	+0.044	-0.102
14	Fk.	9.0 — 9.5	-0.378	-0.025	-0.060	-0.043	9 20— 9 45	-0.366	+0.034	-0.054
15		9.8	-0.364	.....	-0.080	-0.058				
15		17.45—17.65	-0.359	-0.038	-0.101	-0.088	18 0—20 15	-0.362	+0.060	-0.073
15		20.3 —20.5	-0.363	+0.002	-0.083	-0.101				
15	P.	0.5 — 0.7	-0.381	-0.018	-0.114	-0.100	0 45— 2 10	-0.383	+0.066	-0.072
15		2.3 — 2.45	-0.388	-0.015	-0.086	-0.090				
17	P.	6.7 — 7.1	-0.386	+0.026	-0.079	-0.091	6 50— 6 55	-0.393	+0.080	-0.035
18		9.7 —10.0	-0.400	+0.017	-0.106	-0.095	9 45— 9 55	-0.393	+0.091	-0.047
18		17.6 —17.8	-0.400	-0.027	-0.124	-0.092	17 42	-0.392	+0.074	-0.082
18		20.5 —20.7	-0.393	+0.008	-0.090	-0.091	20 36	-0.392	+0.074	-0.051
19	Fk.	9.5 — 9.7	-0.399	-0.031	-0.117	-0.075	9 50—10 0	-0.388	+0.062	-0.076
19		17.6 —17.8	-0.388	-0.035	-0.121	-0.105	17 42	-0.382	+0.070	-0.095
19		20.4 —20.55	-0.371	+0.003	-0.079	-0.115	20 27	-0.382	+0.070	-0.066
20	P.	10.1 —10.3	-0.405	+0.034	-0.113	-0.112	9 55—10 0	-0.405	+0.108	-0.044
20		17.5 —17.75	-0.414	-0.009	-0.140	-0.081	17 50—20 15	-0.402	+0.098	-0.064
20		20.3 —20.5	-0.407	+0.016	-0.128	-0.121				
20	Fk.	23.1 —23.35	-0.421	+0.026	-0.112	-0.088	23 35— 1 50	-0.424	+0.102	-0.029
20		1.9 — 2.1	-0.444	+0.040	-0.117	-0.073				
20		6.1 — 6.3	-0.447	+0.063	-0.085	-0.118	5 55— 7 5	-0.448	+0.112	-0.026
20		7.2 — 7.45	-0.433	-0.054	-0.092	-0.121				
20		9.7 — 9.8	-0.431	+0.056	-0.115	-0.130	10 0—10 5	-0.438	+0.120	-0.034
28	P.	10.6 —10.7	-0.466	+0.059	-0.149	-0.105	10 25—10 30	-0.454	+0.144	-0.025
28		20.0 —20.2	-0.465	+0.046	-0.191	-0.143	21 25—22 30	-0.450	+0.160	-0.050
28		22.5 —22.7	-0.472	+0.040	-0.187	-0.102				
28	Fk.	10.1 —10.2	-0.450	+0.046	-0.125	-0.123	10 25—10 35	-0.449	+0.126	-0.041

TABLE XXI.—*The Constants c, b, a, n and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908		h h	s	s	s	s	h m h m	s	s	s
Aug. 29	M.	17.4 — 17.7	-0.447	+0.002	-0.163	-0.147	17 50—20 25	-0.448	+0.132	-0.102
29		20.5 — 20.7	-0.438	+0.017	-0.149	-0.208				
29	Fk.	21.4 — 21.6	-0.451	+0.024	-0.136	-0.143	21 0—21 20	-0.453	+0.123	-0.071
30	M.	0.0 — 0.4	-0.432	-0.008	-0.185	-0.166	0 35—2 50	-0.436	+0.134	-0.102
30		2.8 — 3.1	-0.441	+0.017	-0.153	-0.168				
30		7.7 — 7.9	-0.441	+0.024	-0.107	-0.152	7 30—7 35	-0.453	+0.119	-0.088
30		10.0 — 10.3	-0.405	+0.008	-0.150	-0.179	10 35—11 20	-0.412	+0.130	-0.112
31		11.0 — 11.5	-0.417	-0.016	-0.187	-0.169				
31		13.8 — 14.2	-0.387	-0.064	-0.146	-0.164	14 5—14 10	-0.392	+0.078	-0.151
31		17.5 — 17.8	-0.423	-0.070	-0.065	-0.146	18 0—20 25	-0.424	+0.086	-0.154
31		20.5 — 20.8	-0.419	-0.054	-0.150	-0.194				
31	P.	0.5 — 0.8	-0.431	-0.046	-0.159	-0.149	0 39	-0.430	+0.102	-0.130
31		3.3 — 3.5	-0.444	-0.014	-0.166	-0.120	3 24	-0.430	+0.102	-0.092
Sept. 1	Fk.	0.7 — 0.9	-0.436	-0.021	-0.140	-0.160	0 48	-0.435	+0.101	-0.106
1		3.55—3.7	-0.437	+0.004	-0.184	-0.154	3 39	-0.435	+0.139	-0.106
1		10.4 — 10.5	-0.422	-0.012	-0.117	-0.161	10 40—10 50	-0.434	+0.093	-0.106
2		15.95—16.1	-0.390	-0.053	-0.155	-0.166	15 45—15 50	-0.393	+0.089	-0.144
2		19.5 — 19.7	-0.416	-0.050	-0.170	-0.133	19 50—20 20	-0.408	+0.088	-0.124
2		20.5 — 20.6	-0.413	-0.045	-0.149	-0.136				
2	M.	23.8 — 0.1	-0.407	-0.024	-0.178	-0.194	23 54	-0.424	+0.127	-0.139
2		3.0 — 3.3	-0.457	-0.008	-0.227	-0.155	3 12	-0.424	+0.156	-0.111
2		7.9 — 8.2	-0.454	+0.028	-0.187	-0.221	7 45—7 50	-0.464	+0.161	-0.116
2		10.3 — 10.5	-0.450	+0.017	-0.164	-0.218	10 45—11 40	-0.464	+0.140	-0.111
3		11.4 — 11.8	-0.466	-0.001	-0.168	-0.164				
3		16.4	-0.416	-0.016	-0.175	-0.113	16 40—16 45	-0.430	+0.122	-0.098
3		17.5 — 17.7	-0.444	-0.011	-0.170	-0.192	18 0—20 25	-0.442	+0.122	-0.098
3		20.5 — 20.7	-0.443	+0.008	-0.158	-0.127				
3	P.	0.7 — 0.9	-0.448	+0.010	-0.166	-0.152	1 5—3 25	-0.456	+0.142	-0.084
3		3.5 — 3.7	-0.473	+0.029	-0.175	-0.157				
3		7.7 — 8.0	-0.463	+0.029	-0.106	-0.150	7 45—10 55	-0.466	+0.112	-0.080
3		10.4 — 10.6	-0.458	-0.003	-0.148	-0.146				
4	M	17.3 — 17.5	-0.447	-0.026	-0.175	-0.176	17 40—18 35	-0.450	+0.112	-0.131
4		18.7 — 18.8	-0.457	-0.040	-0.169	-0.157				
6	P.	19.4 — 19.6	-0.424	-0.068	-0.135	-0.134	19 50—21 40	-0.428	+0.069	-0.132
6		21.8 — 22.0	-0.431	-0.052	-0.142	-0.137	22 15—0 40	-0.428	+0.084	-0.116
6		0.8 — 0.9	-0.439	-0.034	-0.151	-0.121				
7	M.	17.6 — 17.8	-0.434	-0.026	-0.188	-0.155	18 5—21 0	-0.426	+0.120	-0.119
7		20.5 — 20.8	-0.440	-0.030	-0.189	-0.141				
7	P.	0.7 — 0.9	-0.426	+0.016	-0.213	-0.148	1 5—3 15	-0.416	+0.160	-0.080
7		3.4 — 3.5	-0.421	+0.046	-0.164	-0.176				
7		7.8 — 7.9	-0.441	+0.021	-0.124	-0.183	8 0—8 5	-0.455	+0.113	-0.091
7		10.6 — 10.8	-0.441	+0.006	-0.137	-0.101	10 42	-0.431	+0.118	-0.064
8		12.0 — 12.3	-0.412	+0.022	-0.162	-0.127	12 15	-0.402	+0.118	-0.064
8		21.6 — 21.8	-0.416	+0.016	-0.136	-0.231	21 39	-0.426	+0.150	-0.117
8		0.3 — 0.7	-0.421	+0.032	-0.181	-0.174	0 30	-0.426	+0.150	-0.086
8	Fk.	1.7 — 2.0	-0.437	+0.023	-0.144	-0.176	2 5—4 10	-0.444	+0.142	-0.092
8		4.3 — 4.5	-0.441	+0.020	-0.176	-0.176				
8		8.3 — 8.5	-0.429	+0.049	-0.133	-0.182	8 5—8 10	-0.442	+0.146	-0.068
8		10.7 — 10.9	-0.427	-0.002	-0.146	-0.090	10 48	-0.413	+0.104	-0.064
9		12.4 — 12.55	-0.418	-0.025	-0.162	-0.146	12 27	-0.413	+0.104	-0.113
9		22.0 — 22.2	-0.423	-0.008	-0.143	-0.177	22 20—23 40	-0.439	+0.104	-0.106
9		23.9 — 0.1	-0.442	-0.014	-0.127	-0.143				
10	P.	23.6 — 23.7	-0.451	+0.008	-0.145	-0.135	0 0—1 15	-0.448	+0.118	-0.080
10		1.6 — 1.75	-0.446	+0.014	-0.143	-0.146	1 39	-0.441	+0.120	-0.072
10		3.8 — 4.0	-0.437	+0.046	-0.167	-0.159	3 54	-0.441	+0.157	-0.072
10		10.9 — 11.1	-0.435	-0.006	-0.114	-0.155	11 15—12 25	-0.433	+0.095	-0.094
11		12.25—12.7	-0.417	-0.006	-0.128	-0.138				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908		h h	s	s	s	s	h m h m	s	s	s
Sept. 11	M.	18.2 — 18.3	—0.415	—0.068	—0.159	—0.166	18 15	—0.417	+0.084	—0.156
11		20.8 — 21.0	—0.424	—0.048	—0.158	—0.130	20 51	—0.417	+0.084	—0.122
11	Fk.	0.0 — 0.3	—0.430	—0.022	—0.166	—0.163	0 9	—0.429	+0.119	—0.119
11		2.5 — 2.7	—0.427	—0.020	—0.140	—0.148	2 36	—0.429	+0.119	—0.076
11		8.5 — 8.7	—0.447	—0.032	—0.144	—0.125	8 20— 8 25	—0.438	+0.087	—0.096
11		10.9 — 11.1	—0.440	—0.018	—0.135	—0.110	11 0	—0.434	+0.102	—0.074
12		12.3 — 12.7	—0.383	+0.037	—0.107	—0.150	12 36	—0.395	+0.102	—0.074
12	P.	23.2 — 23.4	—0.413	—0.040	—0.169	—0.155	23 18	—0.412	+0.100	—0.130
12		2.05— 2.2	—0.415	—0.014	—0.138	—0.137	2 9	—0.412	+0.100	—0.098
13	M.	10.9 — 11.1	—0.419	—0.032	—0.122	—0.164	11 25—11 30	—0.430	+0.084	—0.123
14		21.8 — 22.1	—0.418	—0.029	.....	.....	22 15— 1 5	—0.428	+0.114	—0.110
14		22.5 — 23.1	—0.433	.....	—0.176	—0.145				
14		0.7 — 0.9	—0.435	—0.011	—0.164	—0.150				
14	P.	2.2 — 2.4	—0.430	+0.021	—0.167	—0.174	2 40— 4 40	—0.434	+0.154	—0.082
14		4.7 — 4.9	—0.445	+0.038	—0.188	—0.156				
14		8.3 — 8.4	—0.464	—0.004	—0.157	—0.169	8 30— 8 35	—0.455	+0.116	—0.101
14		11.1 — 11.3	—0.434	+0.003	—0.128	—0.161	12 40—12 45	—0.437	+0.157	—0.054
15		12.6 — 12.95	—0.444	+0.044	—0.179	—0.132				
15		21.9 — 22.1	—0.451	+0.036	—0.166	—0.172	22 15— 0 35	—0.457	+0.154	—0.084
15		0.7 — 0.9	—0.463	+0.027	—0.181	—0.174				
15	Fk.	2.4 — 2.7	—0.453	+0.040	—0.147	—0.162	2 50— 4 40	—0.466	+0.146	—0.068
15		4.9 — 5.1	—0.476	+0.041	—0.158	—0.159				
15		8.75— 9.0	—0.469	+0.082	—0.112	—0.143	8 35— 8 40	—0.478	+0.146	—0.023
15		11.1 — 11.3	—0.458	+0.062	—0.128	—0.176	11 30—11 40	—0.471	+0.149	—0.057
16		21.9 — 22.1	—0.455	+0.008	—0.155	—0.186	22 0	—0.466	+0.131	—0.098
16		0.7 — 0.9	—0.460	+0.062	—0.193	—0.221	0 48	—0.466	+0.196	—0.098
16	M.	5.3 — 5.8	—0.448	+0.062	—0.153	—0.199	5 35— 5 40	—0.460	+0.168	—0.072
17	P.	2.6 — 2.8	—0.473	—0.004	—0.190	—0.180	2 42	—0.466	+0.147	—0.117
17		5.05— 5.2	—0.458	+0.039	—0.158	—0.176	5 6	—0.466	+0.147	—0.079
17		6.6 — 6.7	—0.460	+0.050	—0.207	—0.189	6 30— 6 35	—0.455	+0.189	—0.081
17		9.0 — 9.1	—0.451	+0.056	—0.200	—0.179	8 40— 8 45	—0.446	+0.186	—0.072
17		11.1 — 11.35	—0.465	—0.024	—0.180	—0.163	11 40—13 5	—0.448	+0.134	—0.113
18		12.9 — 13.2	—0.450	—0.002	—0.204	—0.150				
18		18.3 — 18.5	—0.421	—0.064	—0.140	—0.227	18 24	—0.428	+0.088	—0.184
18		19.5 — 19.7	—0.418	—0.022	—0.171	—0.147	19 36	—0.428	+0.114	—0.112
18	Fk.	7.6 — 7.8	—0.425	+0.012	—0.168	—0.203	7 25— 7 30	—0.435	+0.147	—0.115
18		9.0 — 9.25	—0.401	+0.030	—0.146	—0.184	8 45— 8 50	—0.411	+0.141	—0.088
18		11.4 — 11.6	—0.408	+0.021	—0.168	—0.174	11 45—11 50	—0.410	+0.145	—0.092
21	M.	17.5 — 17.7	—0.422	+0.013	—0.179	—0.165	18 0—19 25	—0.420	+0.146	—0.100
21		19.4 — 19.6	—0.421	+0.011	—0.180	—0.181				
21	P.	11.6 — 11.75	—0.428	+0.023	—0.130	—0.154	11 55—13 25	—0.422	+0.130	—0.072
22		13.3 — 13.6	—0.418	+0.027	—0.166	—0.137				
22		17.85—18.4	—0.412	0.000	—0.156	—0.140	18 0—19 30	—0.418	+0.118	—0.104
22		19.6 — 19.75	—0.420	—0.011	—0.152	—0.181				
22	Fk.	3.2 — 3.4	—0.424	+0.031	—0.151	—0.153	3 35— 6 5	—0.427	+0.140	—0.066
22		5.75— 6.25	—0.434	+0.037	—0.160	—0.141				
22		8.9 — 9.2	—0.435	+0.026	—0.144	—0.157	9 5— 9 10	—0.438	+0.131	—0.076
22		11.5 — 11.8	—0.418	—0.001	—0.094	—0.170	11 55—12 5	—0.438	+0.089	—0.100
23		17.8 — 18.3	—0.391	—0.023	—0.132	—0.148	18 0—19 35	—0.400	+0.090	—0.106
23		19.7 — 19.85	—0.399	—0.021	—0.122	—0.142				
23	M.	3.1 — 3.4	—0.419	+0.027	—0.152	—0.137	3 35— 5 30	—0.422	+0.126	—0.074
23		5.6 — 7.0	—0.435	+0.006	—0.159	—0.133				
24		11.5 — 11.8	—0.423	+0.024	—0.122	—0.148	12 0—12 10	—0.430	+0.116	—0.072
24	P.	9.1 — 9.5	—0.421	—0.006	—0.148	—0.128	9 10— 9 15	—0.416	+0.106	—0.088
24		11.7 — 11.9	—0.418	—0.004	—0.127	—0.133	12 5—12 10	—0.420	+0.097	—0.087
25		17.85—18.2	—0.399	0.000	—0.128	—0.140	18 0—19 35	—0.404	+0.100	—0.092
25		19.7 — 19.8	—0.407	—0.016	—0.139	—0.136				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908		h h	■	s	s	s	h m h m	■	s	s
Sept. 28	P.	3.45—3.7	—0.433	+0.069	—0.106	—0.161	3 42	—0.449	+0.138	—0.048
28		6.2 — 6.4	—0.486	+0.070	—0.174	—0.169	6 18	—0.485	+0.179	—0.048
28		9.3 — 9.6	—0.504	+0.099	—0.139	—0.098	9 30—9 35	—0.493	+0.161	+0.012
Oct. 6	P.	18.6 —18.8	—0.469	—0.002	—0.189	—0.178	18 55—20 15	—0.466	+0.146	—0.113
6		20.3 —20.5	—0.475	—0.003	—0.200	—0.169				
6		22.1 —22.3	—0.482	+0.002	—0.225	—0.172	22 30—22 35	—0.468	+0.164	—0.112
6		0.6 — 0.8	—0.488	—0.005	—0.213	—0.210	0 25—0 30	—0.487	+0.162	—0.136
6	L.	3.8 — 4.4	—0.485	+0.035	—0.199	—0.196	4 3	—0.474	+0.170	—0.096
6		7.2 — 7.4	—0.474	+0.056	—0.173	—0.139	7 21	—0.474	+0.170	—0.047
6		12.4 —12.6	—0.467	+0.057	—0.148	—0.140	12 30	—0.470	+0.140	—0.044
7		14.6 —14.9	—0.457	+0.029	—0.128	—0.192	14 48	—0.470	+0.140	—0.091
7		18.1 —18.5	—0.473	—0.016	—0.187	—0.151	18 55—20 10	—0.474	+0.126	—0.108
7		20.5 —20.9	—0.474	+0.007	—0.144	—0.183				
7		0.1 — 0.5	—0.463	+0.005	—0.154	—0.215	23 30—0 30	—0.479	+0.136	—0.125
7	M.	4.2 — 4.6	—0.460	+0.034	—0.170	—0.186	4 24	—0.468	+0.168	—0.089
7		7.1 — 7.4	—0.475	+0.068	—0.180	—0.168	7 18	—0.468	+0.168	—0.054
7		12.5 —12.7	—0.468	+0.054	—0.163	—0.184	12 50—14 30	—0.470	+0.179	—0.062
8		14.2 —14.7	—0.457	+0.091	—0.163	—0.202				
8		18.3 —18.6	—0.450	—0.001	—0.160	—0.182	18 55—19 50	—0.461	+0.134	—0.117
8		19.9 .....	.....	.....	—0.163	—0.205				
11	M.	3.0 — 3.8	—0.449	+0.070	—0.183	—0.195	3 15—3 20	—0.452	+0.189	—0.067
11		6.2 — 6.5	—0.459	+0.057	—0.185	—0.180	3 35—7 15	—0.455	+0.186	—0.061
11		7.4 — 7.5	.....	+0.082	—0.183	—0.174				
11		12.6 —12.9	—0.467	+0.098	—0.128	—0.142	13 5—13 15	—0.471	+0.164	—0.012
12		18.5 —18.8	—0.459	+0.111	—0.142	—0.153	18 55—20 15	—0.466	+0.184	—0.016
12		20.3 —20.5	—0.456	+0.114	—0.128	—0.186				
12		23.9 — 0.2	—0.463	+0.126	—0.136	—0.165	0 25—0 30	—0.470	+0.192	—0.001
12	P.	4.5 — 4.7	—0.489	+0.102	—0.144	—0.142	4 15—4 20	—0.488	+0.176	—0.010
12		7.45—7.6	—0.470	+0.116	—0.095	—0.143	4 50—7 15	—0.486	+0.167	—0.002
12		10.2 —10.4	—0.510	+0.130	—0.071	—0.082	10 30—10 35	—0.513	+0.139	+0.051
12		12.9 —13.0	—0.498	+0.145	—0.109	—0.128	13 10—14 40	—0.497	+0.176	+0.043
13		14.5 —14.9	—0.496	+0.143	—0.112	—0.092				
13		18.4 —18.65	—0.501	+0.094	—0.144	—0.180				
13		20.3 —20.5	—0.494	+0.074	—0.151	—0.123	18 55—20 15	0.499	+0.168	—0.030
13	M.	4.2 — 4.7	—0.502	+0.119	—0.154	—0.110	4 45—7 15	—0.490	+0.173	+0.026
13		7.4 — 7.6	—0.481	+0.137	—0.086	—0.121				
13		10.7 —10.9	—0.492	+0.144	—0.076	—0.095	10 35—10 40	—0.497	+0.154	+0.054
13		12.8 —13.0	—0.484	+0.114	—0.126	—0.137	13 15—13 20	—0.487	+0.173	+0.003
14		18.6 —18.8	—0.479	+0.050	—0.124	—0.185	18 55—20 15	—0.490	+0.138	—0.071
14		20.3 —20.6	—0.474	+0.039	—0.130	—0.168				
14	P.	4.4 — 4.6	—0.489	+0.058	—0.120	—0.164	4 30	—0.494	+0.139	—0.044
14		7.4 — 7.6	—0.492	+0.082	—0.169	—0.153	7 30	—0.494	+0.179	—0.044
14		10.4 —10.8	—0.505	+0.056	—0.093	—0.131	10 40—10 45	—0.515	+0.116	—0.034
14		12.95—13.1	—0.458	+0.039	—0.122	—0.138	13 6	—0.462	+0.124	—0.058
15		14.9 —15.05	—0.433	+0.027	—0.140	—0.131	14 57	—0.431	+0.124	—0.058
15		18.4 —18.6	—0.441	—0.017	—0.189	—0.124	18 30	—0.418	+0.128	—0.098
15		20.3 —20.5	—0.422	—0.025	—0.203	—0.169	20 24	—0.418	+0.128	—0.129
15	M.	4.1 — 4.5	—0.429	0.000	—0.165	—0.195	4 45—7 15	—0.440	+0.146	—0.112
15		7.4 — 7.6	—0.434	+0.027	—0.170	—0.205				
15		12.8 —13.0	—0.413	+0.013	—0.113	—0.179	13 20—13 30	—0.430	+0.111	—0.095
16		18.5 —18.8	—0.426	—0.091	—0.179	—0.150	18 55—20 10	—0.428	+0.072	—0.168
16		20.2 —20.4	—0.425	—0.074	—0.135	—0.182				
16	P.	4.5 — 4.7	—0.420	+0.005	—0.154	—0.192	4 36	—0.426	+0.138	—0.112
16		7.4 — 7.7	—0.419	+0.030	—0.157	—0.170	7 33	—0.426	+0.138	—0.082
16		8.1 — 8.3	—0.420	—0.012	—0.193	—0.176	8 0—8 5	—0.419	+0.142	—0.111
16		10.9 —11.1	—0.420	—0.005	—0.177	—0.185	10 45—10 50	—0.422	+0.137	—0.119
16		13.0 —13.2	—0.438	—0.010	—0.181	—0.158	13 25—13 30	—0.432	+0.129	—0.110
17		18.5 —18.6	—0.421	—0.074	—0.111	—0.060	18 55—20 55	—0.407	+0.042	—0.108
17		21.0 —21.1	—0.409	—0.057	—0.119	—0.113				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>an</i>	<i>as</i>		<i>c</i>	<i>n</i>	<i>m</i>
1908		h h	s	s	s	s	h m h m	s	"	s
Oct. 18	M.	4.2 — 4.5	-0.438	-0.012	-0.209	-0.202	4 45—5 35	-0.432	+0.154	-0.130
18		5.8 — 5.9	.....	+0.004	-0.194	-0.200	6 55—7 15	-0.432	+0.156	-0.112
18		7.4 — 7.7	-0.427	+0.018	-0.191	-0.185				
18		13.1 —13.3	-0.457	-0.019	-0.187	-0.164	13 30—13 40	-0.451	+0.129	-0.121
19	P.	13.2 —13.4	-0.458	+0.027	-0.185	-0.145	13 35—13 45	-0.447	+0.152	-0.074
20		19.0 —19.5	-0.449	+0.085	-0.181	-0.169	19 10—20 55	-0.456	+0.185	-0.046
20		20.95—21.1	-0.469	+0.072	-0.176	-0.163				
20		0.3 — 0.6	-0.476	+0.078	-0.192	-0.169	0 20—0 25	-0.470	+0.193	-0.048
20	L.	4.1 — 4.7	-0.496	+0.110	-0.172	-0.161	4 24	-0.491	+0.202	-0.016
20		6.8 — 7.1	-0.484	+0.157	-0.131	-0.149	11 57	-0.491	+0.202	+0.030
23	P.	13.7 —14.1	-0.459	+0.043	-0.160	-0.186	13 50—13 55	-0.466	+0.158	-0.081
25	M.	13.5 —13.7	-0.447	+0.008	-0.125	-0.140	14 0—14 5	-0.451	+0.106	-0.080
26		19.5 —19.7	-0.444	-0.030	-0.139	-0.140	20 5—20 55	-0.441	+0.086	-0.102
26		21.0 —21.2	-0.441	-0.024	-0.128	-0.118				
26		0.2 — 0.7	-0.438	+0.014	-0.157	-0.126	0 20—0 25	-0.429	+0.124	-0.071
26	P.	11.4 —11.7	-0.460	+0.011	-0.124	-0.133	11 30—11 35	-0.462	+0.106	-0.073
26		13.6 —13.8	-0.462	+0.003	-0.146	-0.172	14 5—14 10	-0.469	+0.121	-0.103
27		19.7 —19.9	-0.463	-0.012	-0.187	-0.118				
27		20.9 —21.1	-0.461	-0.026	-0.193	-0.107	20 5—20 55	-0.442	+0.118	-0.093
29	P.	5.1 — 5.3	-0.469	+0.121	-0.109	-0.144	5 30—7 40	-0.478	+0.164	+0.004
29		7.9 — 8.1	-0.478	+0.098	-0.128	-0.121				
29		13.8 —14.0	-0.472	+0.085	-0.128	-0.111	14 15—14 20	-0.468	+0.149	-0.006
30		19.3 —19.5	-0.473	+0.098	-0.132	-0.122	19 5—19 10	-0.470	+0.162	-0.001
30		21.55—21.7	-0.477	+0.101	-0.166	-0.118	20 5—21 30	-0.467	+0.172	0.000
30	L.	4.8 — 5.3	-0.479	+0.103	-0.094	-0.113	5 3	-0.484	+0.143	+0.011
30		8.4 — 8.6	-0.485	+0.193	-0.108	-0.109	8 33	-0.484	+0.205	+0.082
30		11.4 —11.7	-0.485	+0.155	-0.072	-0.058	11 45—11 50	-0.481	+0.151	+0.083
30		13.8 —14.0	-0.505	+0.109	-0.077	-0.051	14 20—14 25	-0.498	+0.123	+0.050
31		19.5 —19.9	-0.482	+0.130	-0.042	-0.084	20 5—21 15	-0.498	+0.122	+0.040
31		21.3 —21.5	-0.495	+0.106	-0.061	-0.091				
31		0.2 — 0.6	-0.506	+0.103	-0.081	-0.074	0 20—0 25	-0.504	+0.127	+0.033
Nov. 1	P.	19.7 —19.9	-0.508	+0.121	-0.009	-0.027	20 5—21 30	-0.510	+0.086	+0.070
1		21.5 —21.7	-0.501	+0.108	-0.016	-0.038				
1	M.	5.0 — 5.4	-0.503	+0.113	-0.011	-0.073	5 12	-0.507	+0.094	+0.049
1		8.3 — 8.6	-0.501	+0.126	-0.029	-0.001	8 27	-0.507	+0.094	+0.095
2		14.7 —14.8	-0.515	+0.128	+0.001	-0.016	14 25—14 35	-0.519	+0.084	+0.091
2		19.8 —20.3	-0.513	+0.107	-0.030	-0.019	20 5—22 15	-0.510	+0.082	+0.066
2		21.2 —21.6	-0.507	+0.098	-0.016	-0.024				
2		0.5 — 0.7	-0.512	+0.088	-0.011	-0.016	0 20—0 25	-0.513	+0.066	+0.059
2	P.	6.4 — 6.6	-0.508	+0.098	-0.051	-0.025	11 30	-0.504	+0.098	+0.058
2		9.0 — 9.2	-0.509	+0.130	-0.025	-0.021	11 6	-0.504	+0.098	+0.088
2		11.85—12.2	-0.521	+0.103	0.000	-0.002	12 0—12 5	-0.522	+0.065	+0.078
2		14.1 —14.3	-0.514	+0.088	+0.010	+0.002	14 30—14 35	-0.516	+0.049	+0.071
3		19.6 —19.8	-0.502	+0.063	-0.076	-0.048	20 5—21 25	-0.494	+0.093	+0.010
3		21.5 —21.7	-0.491	+0.066	-0.064	-0.077				
3	L.	6.2 — 6.5	-0.501	+0.149	-0.063	-0.070	11 45—8 50	-0.504	+0.086	+0.004
3		9.1 — 9.3	-0.503	+0.059	-0.057	-0.065				
3		12.3 —12.6	-0.471	+0.054	-0.096	-0.087	12 5—12 10	-0.469	+0.107	-0.014
4	M.	12.3 —12.6	-0.489	+0.177	+0.105	+0.036	12 10—12 15	-0.507	+0.046	+0.168
4		14.1 —14.3	-0.518	+0.144	+0.085	+0.035	14 40—14 45	-0.532	+0.035	+0.139
5		19.7 —19.9	.....	+0.142	+0.044	+0.026	20 5—21 25	-0.526	+0.050	+0.119
5		21.5 —21.7	-0.527	+0.107	+0.030	+0.043				
5		0.5 — 0.8	-0.543	+0.099	+0.018	+0.031	0 55—1 0	-0.540	+0.045	+0.094

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1908		h h	s	s	°	s	h m h m	s	s	s
Nov. 5	P.	6.4 — 6.6	-0.521	+0.132	+0.088	+0.023	6 27	-0.528	+0.034	+0.124
5		9.1 — 9.2	-0.524	+0.147	+0.062	+0.085	9	-0.528	+0.034	+0.166
5		12.1 — 12.4	-0.516	+0.151	+0.110	+0.062	12 15—12 20	-0.529	+0.020	+0.161
5		14.0 — 14.2	-0.527	+0.126	+0.061	+0.085	13 45—13 50	-0.525	+0.023	+0.155
6		14.9 — 15.1	-0.524	+0.117	+0.059	+0.076	14 40—14 50	-0.520	+0.024	+0.143
6		20.8 — 20.95	-0.516	+0.093	+0.049	-0.013	20 51	-0.525	+0.038	+0.071
6		22.4 — 22.6	-0.514	+0.060	0.000	-0.015	22 30	-0.525	+0.038	+0.039
6		1.8 — 2.1	-0.505	+0.079	-0.039	-0.017	1 50—1 55	-0.499	+0.075	+0.048
6	L.	6.3 — 6.6	-0.528	+0.037	-0.021	-0.035	6 24	-0.528	+0.043	+0.008
6		9.7 — 9.9	-0.513	+0.081	-0.015	-0.051	9 51	-0.528	+0.071	+0.034
6		12.5 — 12.7	-0.520	+0.050	-0.035	-0.006	12 20—12 25	-0.513	+0.052	+0.031
7		19.9 — 20.4	-0.505	+0.023	-0.089	-0.077	20 12	-0.504	+0.090	-0.032
7		21.5 — 21.6	.....	+0.064	-0.074	-0.083	21 33	-0.504	+0.090	-0.001
8	M.	3.4 — 3.9	-0.524	+0.023	-0.123	-0.048	3 45—6 10	-0.510	+0.094	-0.020
8		6.3 — 6.5	-0.514	+0.044	-0.081	-0.085				
8		12.6 — 12.8	-0.517	+0.050	-0.077	-0.061	12 25—12 30	-0.513	+0.088	-0.001
8		14.4 — 14.6	-0.524	+0.053	-0.087	-0.064	14 55—15 0	-0.518	+0.096	-0.002
9		19.7 — 20.3	-0.498	+0.057	-0.084	-0.076	21 0—21 40	-0.496	+0.114	-0.016
9		21.9 — 22.0	.....	+0.058	-0.119	-0.117				
9	P.	4.4 — 4.5	-0.512	+0.045	-0.131	-0.040	4 40—4 45	-0.488	+0.111	0.000
9		14.7 — 14.8	-0.515	+0.062	-0.121	-0.041	15 0—15 5	-0.494	+0.116	+0.014
10		20.6 — 20.8	-0.479	+0.069	-0.094	-0.101	21 0—21 50	-0.486	+0.108	-0.012
10		21.9 — 22.1	-0.506	+0.033	-0.115	-0.055				
10	L.	5.3 .....	.....	+0.088	.....	.....	5 54	-0.500	+0.124	+0.021
10		5.9 — 6.2	-0.505	+0.082	-0.113	-0.063				
10		9.3 — 9.7	-0.513	+0.050	-0.116	-0.094	9 30	-0.500	+0.124	-0.022
11	M.	6.0 — 6.5	-0.505	+0.088	-0.113	-0.090	6 30—7 50	-0.500	+0.136	+0.012
11		7.7 — 7.9	.....	+0.088	-0.110	-0.079	8 5—9 30	-0.500	+0.129	+0.015
11		9.6 — 9.8	-0.507	+0.085	-0.097	-0.080				
11		12.8 — 13.0	-0.498	+0.123	-0.061	-0.050	12 40—14 0	-0.495	+0.123	+0.063
11		14.6 — 14.8	-0.501	+0.129	-0.043	-0.035	15 5—15 15	-0.499	+0.112	+0.078
12		20.3 — 20.5	-0.496	+0.130	-0.033	-0.045	20 24	-0.499	+0.110	+0.073
12		22.0 — 22.5	-0.577	+0.126	-0.037	-0.044	22 12	-0.579	+0.110	+0.073
12	P.	6.55—6.8	-0.575	+0.189	-0.009	+0.023	6 39	-0.556	+0.109	+0.158
12		9.5 — 9.7	-0.542	+0.234	+0.068	+0.047	9 36	-0.556	+0.109	+0.214
12		12.6 — 12.7	-0.563	+0.204	+0.020	+0.061	12 39	-0.556	+0.114	+0.192
12		14.25—14.4	-0.554	+0.209	+0.014	-0.009	14 18	-0.556	+0.114	+0.159
13		15.0 — 15.5	-0.564	+0.211	+0.017	+0.065	15 10—15 20	-0.556	+0.117	+0.199
13		21.0 — 21.2	-0.581	+0.179	+0.003	+0.019	21 25—22 25	-0.564	+0.105	+0.146
13		22.45—22.6	-0.554	+0.175	+0.004	+0.016				
13	L.	6.5 — 6.9	-0.578	+0.184	+0.053	+0.046	7 10—8 55	-0.574	+0.072	+0.172
13		9.5 — 9.8	-0.566	+0.181	+0.059	+0.049				
14	P.	6.8 — 7.0	-0.559	+0.219	+0.042	+0.006	6 54	-0.561	+0.112	+0.178
14		9.8 — 10.0	-0.567	+0.190	+0.068	+0.119	9 54	-0.561	+0.055	+0.218
15	M.	6.7 — 6.9	-0.575	+0.173	+0.139	+0.130	7 10—9 30	-0.576	-0.001	+0.231
15		9.2 — 10.3	-0.566	+0.198	+0.175	+0.140				
15		13.3 — 13.6	-0.557	+0.189	+0.174	+0.178	13 0—14 15	-0.556	-0.018	+0.259
15		14.9 — 15.1	-0.549	+0.203	+0.130	+0.154	15 25—15 30	-0.543	+0.021	+0.252
16		20.2 — 20.5	-0.577	+0.180	+0.126	+0.128	20 45—21 40	-0.575	+0.010	+0.214
16		21.7 .....	.....	+0.162	+0.121	+0.133				
16	P.	7.6 — 7.8	-0.562	+0.173	+0.088	+0.087	8 5—9 55	-0.557	+0.042	+0.189
16		10.0 — 10.15	-0.562	+0.163	+0.066	+0.102	11 0—11 5	-0.553	+0.033	+0.185
16		11.1 — 11.2	-0.555	+0.162	+0.087	+0.094				
16		13.3 — 13.4	-0.579	+0.164	+0.066	+0.128	13 5—14 20	-0.567	+0.036	+0.196
16		14.5 — 14.7	-0.568	+0.174	+0.102	+0.085	15 25—15 35	-0.580	+0.033	+0.150
17		15.4 — 15.7	-0.575	+0.142	+0.078	+0.059				
17		20.4 — 20.5	-0.570	+0.150	+0.091	+0.101	20 45—22 10	-0.559	+0.008	+0.185
17		22.2 — 22.35	-0.560	+0.138	+0.106	+0.140				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	an	as		c	n	m
1908		h h	s	s	s	s	h m h m	s	s	s
Nov. 17	L.	14.2 —14.7	-0.559	+0.149	+0.127	+0.165	14 20—14 25	-0.549	-0.014	+0.216
17		15.1 —15.3	-0.521	+0.093	+0.082	+0.124	15 30—15 40	-0.510	-0.003	+0.161
18		15.8 .....	.....	+0.131	.....	.....	.....	.....	.....	.....
18		20.3 —20.7	-0.542	+0.113	+0.011	+0.029	20 30	-0.538	+0.053	+0.105
18		22.3 —22.5	-0.546	+0.079	-0.006	+0.019	22 24	-0.538	+0.053	+0.070
18	M.	7.7 — 7.9	-0.543	+0.118	-0.003	+0.005	8 0—10 0	-0.536	+0.073	+0.097
18		8.3 .....	.....	.....	+0.010	0.000	.....	.....	.....	.....
18		10.2 —10.4	-0.522	+0.128	+0.016	-0.005	12 30—12 35	-0.525	+0.086	+0.137
18		12.1 —12.3	-0.538	+0.155	-0.008	+0.042	12 9	-0.537	+0.093	+0.142
18		14.6 —14.9	-0.563	+0.102	+0.003	+0.056	14 42	-0.537	+0.047	+0.106
18		15.3 .....	.....	+0.094	.....	.....	15 35—15 40	-0.549	+0.047	+0.106
19	P.	13.2 —13.4	-0.530	+0.119	-0.022	-0.009	13 15—14 35	-0.524	+0.086	+0.076
19		14.8 —15.0	-0.541	+0.084	-0.063	+0.014	.....	.....	.....	.....
20		15.6 —15.9	-0.546	+0.091	-0.079	+0.044	15 40—15 45	-0.516	+0.088	+0.076
20		20.5 —20.65	-0.501	+0.123	-0.089	-0.065	20 45—22 10	-0.494	+0.138	+0.052
20		22.2 —22.4	-0.512	+0.107	-0.106	-0.039	.....	.....	.....	.....
20	L.	7.4 — 7.8	-0.509	+0.101	-0.065	-0.054	7 36	-0.509	+0.112	+0.043
20		9.8 —10.1	-0.520	+0.147	-0.091	-0.061	10 0	-0.509	+0.156	+0.073
20		13.1 —13.7	-0.523	+0.143	-0.045	+0.017	13 20—13 25	-0.506	+0.111	+0.115
20		15.3 —15.5	-0.514	+0.155	-0.021	-0.031	14 35—14 40	-0.511	+0.113	+0.108
21		21.6 —21.9	-0.506	+0.136	-0.061	-0.021	15 45—15 50	-0.516	+0.115	+0.102
21		0.8 — 1.1	-0.524	+0.144	-0.018	+0.012	21 20— 0 40	-0.506	+0.110	+0.102
25	L.	21.6 —22.0	-0.475	+0.081	-0.001	+0.018	22 25— 0 40	-0.478	+0.052	+0.077
25		0.8 — 1.0	-0.473	+0.111	+0.030	-0.013	.....	.....	.....	.....
26	P.	8.3 — 8.5	-0.465	+0.101	+0.034	+0.004	8 40—10 40	-0.472	+0.043	+0.083
26		10.75—10.9	-0.477	+0.085	+0.007	+0.030	.....	.....	.....	.....
26		13.6 —13.7	-0.465	+0.086	+0.003	+0.037	13 50—13 55	-0.456	+0.044	+0.087
26		15.5 —15.6	-0.450	+0.118	+0.016	+0.007	15 10—15 15	-0.454	+0.054	+0.092
27		16.0 —16.5	-0.499	+0.050	+0.012	+0.020	16 10—16 15	-0.487	+0.024	+0.053
27		19.7 —19.9	-0.457	+0.080	+0.009	+0.045	19 45—19 50	-0.447	+0.036	+0.087
27		21.4 —21.55	-0.478	+0.067	+0.012	+0.019	21 45—23 0	-0.469	+0.042	+0.072
27		23.1 —23.25	-0.466	+0.093	+0.001	+0.017	.....	.....	.....	.....
27	L.	7.8 — 8.5	-0.482	+0.106	-0.026	-0.021	8 9	-0.485	+0.086	+0.068
27		11.0 —11.3	-0.492	+0.145	-0.040	-0.027	11 9	-0.485	+0.119	+0.094
29	P.	21.5 —21.6	-0.477	+0.148	+0.010	+0.003	21 50—21 55	-0.479	+0.087	+0.118
29		1.7 — 1.8	-0.494	+0.100	-0.012	+0.018	2 0— 2 55	-0.485	+0.070	+0.080
29		3.1 — 3.3	-0.489	+0.098	-0.022	+0.001	.....	.....	.....	.....
30	M.	16.6 —16.9	-0.460	+0.052	-0.003	-0.015	16 20—16 30	-0.463	+0.038	+0.032
30		21.6 —21.8	-0.462	+0.046	-0.076	-0.074	21 42	-0.461	+0.096	-0.010
30		23.1 —23.2	.....	+0.082	-0.071	-0.062	23 9	-0.461	+0.096	+0.024
Dec. 30	P.	15.4 —15.8	-0.486	+0.069	-0.061	+0.007	15 35—16 35	-0.458	+0.082	+0.056
1		16.4 —16.75	-0.469	+0.083	-0.071	+0.009	.....	.....	.....	.....
1		22.6 —22.8	-0.473	+0.088	-0.080	-0.019	22 55—23 50	-0.454	+0.102	+0.052
1		23.9 — 0.1	-0.466	+0.092	-0.071	-0.016	.....	.....	.....	.....
1	M.	8.5 — 8.7	-0.491	+0.082	-0.035	-0.056	8 45— 9 45	-0.492	+0.090	+0.044
1		9.8 — 9.9	.....	+0.101	-0.046	-0.035	9 48	-0.492	+0.106	+0.056
1		10.8 —11.25	-0.489	+0.171	-0.010	-0.019	11 9	-0.492	+0.106	+0.122
1		16.0 —16.3	-0.487	+0.220	+0.052	+0.020	16 30—16 40	-0.496	+0.105	+0.187
2		0.0 — 0.4	-0.508	+0.213	+0.157	+0.103	0 30— 1 50	-0.525	+0.020	+0.238
2		2.1 — 2.3	-0.506	+0.219	+0.179	+0.099	.....	.....	.....	.....
2	P.	8.45— 8.7	-0.530	+0.242	+0.215	+0.193	8 50—11 10	-0.531	-0.006	+0.322
2		11.3 —11.5	-0.522	+0.262	+0.218	+0.202	.....	.....	.....	.....
2		14.1 —14.2	-0.515	+0.265	+0.254	+0.212	14 15—15 55	-0.534	-0.018	+0.329
2		16.2 —16.3	-0.549	+0.228	+0.198	+0.221	16 35—16 40	-0.543	-0.018	+0.329
3		23.1 —23.2	-0.537	+0.225	+0.197	+0.159	23 25— 1 35	-0.541	-0.004	+0.277
4		1.7 — 1.8	-0.538	+0.208	+0.171	+0.183	.....	.....	.....	.....

TABLE XXI.—*The Constants c , b , a , n , and m —Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1908		h h	s	°	s	°	h m h m	s	s	s
Dec. 3	M.	8.6 — 9.1	-0.524	+0.231	+0.243	+0.177				
3		9.8 — 9.9	.....	+0.226	+0.237	+0.186	8 50— 9 30	-0.543	-0.030	+0.298
3		11.6 —11.9	-0.535	+0.211	+0.220	+0.201	10 0—11 30	-0.543	-0.033	+0.295
5	L.	2.2 — 2.6	-0.537	+0.175	+0.131	+0.121	2 50— 3 45	-0.541	+0.012	+0.221
5		3.9 — 4.1	-0.545	+0.185	+0.126	+0.139				
7	M.	22.5 —22.8	-0.525	+0.175	+0.180	+0.130	22 55— 0 15	-0.541	-0.008	+0.214
7		0.5 — 0.7	-0.533	+0.172	+0.147	+0.105				
7	P.	4.8 — 4.95	-0.543	+0.175	+0.111	+0.142	5 15— 5 20	-0.540	+0.029	+0.216
7		6.7 — 6.9	-0.541	+0.190	+0.103	+0.097	7 10— 9 30	-0.540	+0.026	+0.212
7		9.2 — 9.6	-0.542	+0.179	+0.134	+0.120	9 24	-0.540	+0.015	+0.216
7		11.6 —11.8	-0.540	+0.213	+0.146	+0.150	11 42	-0.540	+0.015	+0.259
7		15.0 —15.1	-0.557	+0.184	+0.175	+0.188	14 40—14 45	-0.554	-0.025	+0.259
7		16.6 —16.8	-0.546	+0.197	+0.177	+0.117	16 20—16 25	-0.558	-0.012	+0.246
8		22.6 —22.8	-0.543	+0.185	+0.185	+0.174	16 55—17 5	-0.562	0.000	+0.233
8		0.4 — 0.6	-0.541	+0.205	+0.206	+0.191	22 55— 0 15	-0.546	-0.027	+0.268
8	L.	5.95— 6.45	-0.551	+0.183	+0.193	+0.199	6 10— 8 55	-0.550	-0.038	+0.278
8		9.1 — 9.6	-0.539	+0.209	+0.228	+0.198	9 20—11 20	-0.550	-0.046	+0.296
8		11.6 —12.0	-0.545	+0.213	+0.246	+0.214				
8		16.3 .....	.....	+0.257	.....	.....	16 25—17 10	-0.463	-0.024	+0.368
8		16.6 —16.7	-0.477	.....	+0.223	+0.276				
9		22.6 —22.9	-0.553	+0.151	+0.185	+0.185	22 45	-0.549	-0.040	+0.233
9		1.8 — 2.0	-0.546	+0.191	+0.192	+0.196	1 54	-0.549	-0.040	+0.271
9	M.	8.65— 9.1	-0.540	+0.187	+0.213	+0.181	8 54	-0.551	-0.041	+0.262
9		11.75—11.9	-0.546	+0.229	+0.208	+0.179	11 48	-0.551	-0.012	+0.295
15	P.	22.8 —23.05	-0.526	+0.164	+0.069	+0.092	23 15— 1 5	-0.521	+0.030	+0.172
15		1.2 — 1.35	-0.524	+0.132	+0.085	+0.094				
15	L.	15.1 —15.5	-0.520	+0.133	+0.082	+0.082				
15		17.1 —17.3	-0.514	+0.152	+0.072	+0.058				
18	P.	23.1 —23.45	-0.514	+0.203	+0.119	+0.136	23 10—23 25	-0.510	+0.030	+0.241
18	L.	10.4 —10.7	-0.537	+0.168	+0.066	+0.094	10 33	-0.523	+0.056	+0.186
18		12.7 —13.2	-0.522	+0.207	+0.079	+0.101	13 0	-0.523	+0.056	+0.223
18		15.2 —15.8	-0.521	+0.232	+0.106	+0.104	12 55—14 35	-0.519	+0.064	+0.234
18		17.3 —17.4	-0.536	+0.226	+0.080	+0.139	15 35—15 40	-0.521	+0.064	+0.252
19		22.8 —23.2	-0.537	+0.178	+0.100	+0.143	17 45—17 50	-0.520	+0.066	+0.257
19		3.1 — 3.4	-0.523	+0.232	+0.131	+0.130	23 0	-0.524	+0.034	+0.225
20	M.	7.5 — 7.8	-0.531	+0.219	+0.151	+0.168	3 18	-0.524	+0.034	+0.262
22	L.	17.8 —17.9	-0.525	.....	+0.215	+0.224	7 5— 7 10	-0.527	+0.016	+0.273
23		18.3 .....	.....	+0.271	.....	.....	18 5—18 10	-0.523	0.000	+0.350
23		23.6 —23.9	-0.546	+0.235	+0.254	+0.272	23 48	-0.543	-0.046	+0.352
23		3.1 — 3.4	-0.531	+0.238	+0.255	+0.203	3 18	-0.543	-0.046	+0.318
25	L.	17.8 —18.0	-0.540	+0.201	+0.239	+0.263	18 15—18 25	-0.534	-0.065	+0.319
26		23.3 —23.8	-0.531	+0.168	+0.243	+0.209	23 25— 2 5	-0.538	-0.066	+0.280
26		2.2 — 2.4	-0.540	+0.190	+0.221	+0.236				
27	M.	7.3 — 7.75	-0.549	+0.181	+0.260	+0.229	7 5— 7 10	-0.558	-0.082	+0.287
27		9.0 — 9.1	.....	+0.171	+0.241	+0.246	8 50— 8 55	-0.552	-0.082	+0.287
27		10.5 —10.75	-0.545	+0.200	+0.250	+0.218	9 20—10 5	-0.552	-0.072	+0.292
27		12.5 —12.8	-0.543	+0.191	+0.234	+0.220	10 55—13 0	-0.552	-0.061	+0.292
27		18.0 —18.2	-0.531	+0.209	+0.198	+0.237	18 25—18 30	-0.520	-0.032	+0.308
28		23.2 —23.7	-0.539	+0.187	+0.208	+0.196	23 25—23 30	-0.542	-0.041	+0.270
28		1.1 — 1.2	.....	+0.227	+0.192	+0.225	23 27	-0.538	-0.041	+0.270
							1 9	-0.538	-0.014	+0.315

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time	Adopted.		
			c	b	a _n	a _s		c	n	m
1908		h h	s	s	s	s	h m h m	s	■	■
Dec. 28	P.	6.8 — 7.0	-0.530	+0.233	+0.213	+0.242	7 5— 7 10	-0.523	-0.026	+0.330
28		9.0 — 9.2	-0.533	+0.261	+0.205	+0.218	9 6	-0.537	-0.008	+0.338
28		10.6 — 10.75	-0.526	+0.231	+0.220	+0.181	10 39	-0.537	-0.008	+0.297
							10 39	-0.537	-0.018	+0.297
28		12.5 — 12.7	-0.540	+0.203	+0.262	+0.214	12 36	-0.537	-0.066	+0.297
28		13.6 — 13.8	-0.528	+0.241	+0.221	+0.223	13 42	-0.537	-0.021	+0.327
28		16.7 — 16.9	-0.549	+0.248	+0.273	+0.241	16 25—16 30	-0.558	-0.050	+0.347
28		18.1 — 18.3	-0.537	+0.251	+0.233	+0.277	18 30—18 35	-0.525	-0.033	+0.365
29		23.6 — 23.8	-0.544	+0.205	+0.160	+0.172	0 10— 2 10	-0.540	-0.009	+0.260
29		2.3 — 2.4	-0.549	+0.163	+0.143	+0.188	2 35— 2 45	-0.527	-0.009	+0.260
29		2.8 — 2.9	.....	+0.189	+0.140	+0.221				
29	L.	6.5 — 7.0	-0.553	+0.177	+0.172	+0.194	7 5— 7 10	-0.547	-0.027	+0.257
30	M.	16.2 — 16.4	-0.519	+0.221	+0.186	+0.175	16 35—16 40	-0.522	-0.003	+0.283
30		18.1 — 18.3	-0.527	+0.196	+0.175	+0.172	18 40—19 5	-0.528	-0.013	+0.261
31		23.6 — 0.0	-0.521	+0.241	+0.152	+0.152	23 25— 1 30	-0.530	+0.026	+0.272
31		1.7 — 2.0	-0.534	+0.221	+0.162	+0.143	2 5— 2 10	-0.539	+0.018	+0.263
1909										
Jan. 1	P.	23.65—23.9	-0.531	+0.294	+0.221	+0.223	0 10— 2 10	-0.527	-0.006	+0.372
1		2.3 — 2.5	-0.535	+0.267	+0.234	+0.275				
1		3.2 — 3.3	-0.534	+0.267	+0.246	+0.250	3 0— 3 5	-0.533	-0.025	+0.365
1		6.7 — 6.9	-0.553	+0.242	+0.244	+0.250	7 5— 7 10	-0.551	-0.039	+0.345
1	L.	10.2 — 10.7	-0.541	+0.281	+0.263	+0.241	10 30	-0.547	-0.036	+0.380
1		13.8 — 14.0	-0.518	+0.267	+0.274	+0.291	13 48	-0.514	-0.036	+0.380
1		16.6 — 17.0	-0.532	+0.252	+0.342	+0.325	16 45—16 50	-0.536	-0.104	+0.403
1		18.5 — 18.6	-0.521	.....	+0.318	+0.310	18 45—19 20	-0.523	-0.087	+0.391
2		19.0 .....	.....	+0.252	.....	.....		
2		0.6 — 1.2	-0.521	+0.266	+0.273	+0.271	0 55— 3 40	-0.524	-0.059	+0.364
2		3.7 — 4.0	-0.527	+0.226	+0.273	+0.280	3 55— 4 0	-0.525	-0.072	+0.350
3	P.	4.15— 4.3	-0.501	+0.193	+0.234	+0.188	4 30— 7 0	-0.510	-0.039	+0.265
3		6.55— 6.7	-0.511	+0.178	+0.174	+0.191	7 5— 7 10	-0.507	-0.028	+0.256
3	M.	18.5 — 18.6	-0.529	.....	+0.179	+0.207				
4		19.5 .....	.....	+0.158	.....	.....		
5	L.	11.6 — 11.9	.....	+0.126	+0.140	+0.146	12 0—13 40	-0.504	-0.036	+0.196
5		13.8 — 14.1	-0.510	+0.122	+0.145	+0.175				
5		17.3 — 17.5	-0.495	+0.139	+0.171	+0.133	17 5—17 10	-0.505	-0.037	+0.195
6		19.3 — 19.5	-0.501	+0.128	+0.143	+0.142	19 5—19 10	-0.503	-0.034	+0.192
							19 45—19 50	-0.501	-0.030	+0.189
6		0.7 — 1.2	-0.497	+0.139	+0.188	+0.201	0 57	-0.494	-0.059	+0.232
6		2.3 — 2.5	-0.514	+0.163	+0.182	+0.256	2 27	-0.494	-0.059	+0.280
6	M.	7.2 — 7.6	-0.488	+0.176	+0.192	+0.172	7 5— 7 50	-0.493	-0.035	+0.247
12	L.	10.3 — 10.7	-0.505	+0.219	+0.330	+0.287	10 30	-0.516	-0.115	+0.354
12		13.9 — 14.1	-0.504	+0.241	+0.359	+0.321	14 0	-0.516	-0.115	+0.394
17	M.	10.3 — 10.8	-0.530	+0.269	+0.435	+0.434	10 55—13 30	-0.530	-0.166	+0.474
17		13.6 — 13.8	-0.524	+0.266	+0.433	+0.405				
17		17.0 — 17.2	-0.524	+0.232	+0.392	+0.402	16 45—18 15	-0.530	-0.161	+0.432
18		20.1 — 20.3	-0.543	+0.251	+0.406	+0.401	19 55—20 5	-0.544	-0.157	+0.448
18		0.75— 1.2	-0.533	+0.284	+0.431	+0.411	0 54	-0.542	-0.156	+0.481
18		3.3 — 3.4	-0.537	+0.260	+0.422	+0.391	3 21	-0.542	-0.156	+0.450
18		6.6 — 6.9	-0.526	+0.243	+0.424	+0.369	7 5— 7 10	-0.541	-0.165	+0.426
18		10.6 — 10.8	-0.547	+0.239	+0.450	+0.445	10 42	-0.539	-0.191	+0.466
18	P.	13.1 — 13.6	-0.544	+0.264	+0.433	+0.485	13 21	-0.539	-0.191	+0.504
18		18.05—18.2	-0.565	+0.257	+0.485	+0.549	18 15—21 15	-0.546	-0.222	+0.531
19		19.9 — 20.3	-0.527	+0.288	+0.515	+0.470				
19		21.4 — 21.5	-0.543	+0.280	+0.525	+0.493				
19		1.25— 1.7	-0.530	+0.286	+0.446	+0.481	1 25— 3 40	-0.518	-0.177	+0.524
19		3.4 — 3.8	-0.524	+0.289	+0.455	+0.486				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1909		h h	s	s	s	s	h m h m	s	"	s
Jan. 19	L.	18.5 —18.9	-0.534	+0.276	+0.484	+0.484	18 25—18 30	-0.534	-0.204	+0.519
19		19.7 —.....	.....	+0.286	.....	.....	20 5—21 20	-0.536	-0.193	+0.532
20		21.4 —21.7	-0.540	+0.299	+0.483	+0.485				
20		1.2 — 1.6	-0.538	+0.286	+0.441	+0.444	1 25— 3 40	-0.534	-0.160	+0.492
20		3.4 — 3.8	-0.529	+0.270	+0.412	+0.438	3 55— 7 0	-0.534	-0.146	+0.480
20		6.5 — 6.7	-0.539	+0.290	+0.411	+0.398	7 0— 7 10	-0.542	-0.134	+0.477
20	M.	11.7 —11.9	-0.546	+0.270	+0.402	+0.425	11 25—15 10	-0.538	-0.148	+0.479
20		14.4 —14.7	-0.536	+0.282	+0.415	+0.420				
21		0.7 — 1.2	-0.546	+0.285	+0.425	+0.401	0 55— 3 10	-0.546	-0.156	+0.473
21		3.2 — 3.4	-0.537	+0.266	+0.433	+0.416				
21		6.5 — 6.8	-0.539	+0.265	+0.433	+0.445	7 5— 7 10	-0.536	-0.174	+0.485
22	P.	20.5 —20.65	-0.540	+0.280	+0.439	+0.478	20 15—20 20	-0.529	-0.173	+0.514
22		21.7 —21.9	-0.543	+0.284	+0.448	+0.459	21 25—21 30	-0.534	-0.173	+0.511
22		2.1 — 2.2	-0.533	+0.287	+0.427	+0.400	1 45— 5 5	-0.538	-0.161	+0.451
22		4.7 — 4.9	-0.541	+0.234	+0.391	+0.415				
22		7.4 — 7.5	-0.535	+0.235	+0.410	+0.404	5 55— 7 10	-0.537	-0.171	+0.437
24	M.	20.1 —20.3	-0.493	+0.163	+0.276	+0.272	20 25—20 35	-0.494	-0.111	+0.298
25		0.1 — 0.25	-0.476	+0.181	+0.269	+0.271	0 0— 0 5	-0.475	-0.096	+0.312
25		1.1 — 1.2	.....	+0.239	+0.283	+0.269	1 9	-0.480	-0.068	+0.356
25		4.3 — 4.7	.....	+0.199	+0.252	+0.239	4 30	-0.480	-0.068	+0.306
25		6.4 — 6.8	-0.490	+0.213	+0.254	+0.268				
25	L.	18.7 —19.2	-0.485	+0.231	+0.305	+0.307	18 55—19 0	-0.484	-0.092	+0.372
25		20.3 —.....	.....	+0.226	.....	.....	20 30—21 50	-0.482	-0.093	+0.373
26		21.7 —22.0	-0.477	+0.242	+0.314	+0.302				
26		0.5 — 0.8	-0.498	+0.242	+0.299	+0.330	0 55— 3 10	-0.492	-0.090	+0.386
26		3.3 — 3.7	-0.505	+0.225	+0.294	+0.329	3 33	-0.492	-0.095	+0.379
26		6.7 — 7.2	-0.496	+0.274	+0.302	+0.318	7 0	-0.492	-0.066	+0.411
26	P.	11.7 —11.9	-0.501	+0.293	+0.318	+0.340	11 48	-0.488	-0.068	+0.440
26		14.4 —14.6	-0.481	+0.315	+0.375	+0.373	14 30	-0.488	-0.094	+0.479
26		20.2 —20.4	-0.512	+0.264	+0.418	+0.403	20 18	-0.516	-0.150	+0.446
27		22.1 —22.2	-0.476	+0.257	+0.400	+0.367	22 6	-0.485	-0.150	+0.446
27		2.1 — 2.3	-0.498	+0.261	+0.314	+0.331	1 50— 1 55	-0.494	-0.085	+0.408
27		4.7 — 4.8	-0.501	+0.281	+0.323	+0.329	3 5— 4 35	-0.496	-0.080	+0.416
27	M.	20.1 —20.3	-0.492	+0.246	+0.328	+0.264	20 40—20 45	-0.509	-0.086	+0.364
28		2.9 — 3.4	-0.505	+0.281	+0.327	+0.338	2 40— 2 45	-0.502	-0.080	+0.429
28		4.3 — 4.7	.....	+0.245	+0.314	+0.351	3 5— 4 35	-0.500	-0.089	+0.418
29	L.	19.4 —19.6	-0.514	+0.230	+0.349	+0.353	19 15—19 20	-0.513	-0.128	+0.400
31	P.	5.3 — 5.6	-0.530	+0.251	+0.440	+0.467	5 30— 7 5	-0.514	-0.193	+0.490
31		7.2 — 7.8	-0.495	+0.270	+0.478	+0.447				
Feb. 31	M.	20.3 —20.6	-0.498	+0.283	+0.540	+0.451	20 55—21 0	-0.522	-0.223	+0.513
1		5.4 — 5.8	-0.517	+0.235	+0.601	+0.580	5 30— 7 5	-0.527	-0.314	+0.549
1		6.7 — 7.3	-0.527	+0.235	+0.599	+0.578				
1	P.	12.1 —12.5	-0.524	+0.274	+0.595	+0.611	12 10—15 10	-0.514	-0.288	+0.606
1		14.9 —15.2	-0.508	+0.303	+0.606	+0.608				
1		19.3 —19.4	-0.516	+0.290	+0.555	+0.596	19 21	-0.505	-0.268	+0.596
2		21.25—21.4	-0.520	+0.220	+0.548	+0.504	21 18	-0.532	-0.268	+0.492
2		5.2 — 5.35	-0.514	+0.287	+0.500	+0.506	5 15	-0.506	-0.210	+0.541
2		7.55— 7.7	-0.510	+0.223	+0.492	+0.534	7 39	-0.506	-0.252	+0.504
2	L.	13.9 —14.3	-0.527	+0.226	+0.480	+0.489	14 35—15 35	-0.526	-0.238	+0.482
2		15.9 —16.2	-0.517	+0.233	+0.510	+0.473				
2		19.4 —19.9	-0.527	+0.214	+0.475	+0.506	19 40—19 45	-0.518	-0.241	+0.481
2		20.7 —.....	.....	+0.231	.....	.....	21 5—21 10	-0.498	-0.230	+0.488
3		22.0 —22.2	-0.482	.....	+0.491	+0.480				
3		5.7 — 6.1	-0.520	+0.223	+0.392	+0.402	5 54	-0.520	-0.167	+0.424
3		8.1 — 8.5	-0.514	+0.210	+0.444	+0.406	8 18	-0.520	-0.205	+0.424
							8 15— 8 20	-0.524	-0.205	+0.423

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1909		h h	s	s	s	s	h m h m	s	s	s
Feb. 4	M.	21.35—21.5	-0.521	+0.262	+0.440	+0.402	21 5—21 15	-0.531	-0.170	+0.460
4		3.25—3.5	-0.511	+0.255	+0.384	+0.399	3 35—4 40	-0.508	-0.150	+0.446
4		4.3—4.8	.....	+0.245	+0.399	+0.405				
4	P.	8.95—9.1	-0.527	+0.231	+0.440	+0.384	9 10—9 15	-0.542	-0.185	+0.427
4		10.6—10.8	-0.537	+0.237	+0.371	+0.396	10 55—13 35	-0.522	-0.146	+0.431
4		13.7—13.9	-0.516	+0.242	+0.378	+0.389	14 40—15 35	-0.513	-0.152	+0.428
4		15.65—15.85	-0.514	+0.229	+0.390	+0.392				
4		19.7—20.0	-0.507	+0.247	+0.370	+0.375	19 50—19 55	-0.506	-0.133	+0.427
5	L.	20.8—20.9	-0.505	+0.156	+0.213	+0.280	21 15—21 25	-0.487	-0.082	+0.289
6		2.6—3.3	-0.490	+0.229	+0.230	+0.261	2 57	-0.490	-0.038	+0.339
6		6.2—6.4	-0.506	+0.269	+0.255	+0.278	6 21	-0.490	-0.038	+0.381
7	P.	20.1—20.4	-0.495	+0.249	+0.332	+0.338	20 5—20 10	-0.493	-0.103	+0.405
7		21.3 .....	.....	+0.283	.....	.....	21 25—21 30	-0.493	-0.082	+0.432
8		3.45—4.3	-0.511	+0.261	+0.339	+0.351	3 27	-0.508	-0.111	+0.422
8		4.7—4.8	.....	+0.217	+0.328	+0.337	4 45	-0.508	-0.111	+0.378
10	M.	21.1—21.3	-0.455	+0.256	+0.363	+0.374	20 20—21 45	-0.452	-0.123	+0.433
11		3.1—3.5	-0.468	+0.235	+0.368	+0.358	3 35—4 40	-0.473	-0.126	+0.416
11		4.8—4.9	.....	+0.264	+0.372	+0.342				
11	P.	10.5—10.7	-0.476	+0.277	+0.364	+0.404	10 50—13 35	-0.476	-0.130	+0.457
11		13.7—13.9	-0.485	+0.262	+0.394	+0.389	14 35—16 10	-0.476	-0.134	+0.460
11		15.6—15.8	-0.489	+0.272	+0.369	+0.421				
12	L.	21.2—21.4	-0.463	+0.276	+0.308	+0.295	21 45—21 50	-0.466	-0.064	+0.402
13		2.7—3.6	-0.468	+0.207	+0.220	+0.227	3 40—6 5	-0.473	-0.048	+0.308
13		6.2—6.4	-0.476	+0.213	+0.244	+0.227				
13	M.	10.5—11.1	-0.478	+0.218	+0.213	+0.228	10 20—14 15	-0.474	-0.026	+0.324
13		13.6—13.8	.....	+0.245	+0.220	+0.234				
16	P.	22.15—22.35	-0.442	+0.094	+0.103	+0.143				
16		3.6—3.8	-0.427	+0.157	+0.170	+0.176	4 5—5 35	-0.432	-0.038	+0.237
16		5.35—5.6	-0.442	+0.159	+0.179	+0.188				
16	L.	21.4—21.6	-0.463	+0.198	+0.260	+0.280	22 0—22 5	-0.458	-0.083	+0.328
17		3.4—3.6	-0.469	+0.160	+0.284	+0.275	4 5—6 5	-0.474	-0.122	+0.296
17		6.2—6.4	-0.460	+0.167	+0.311	+0.252				
17	M.	11.6—11.9	-0.467	+0.213	+0.315	+0.266	10 50—10 55	-0.480	-0.100	+0.338
17		14.3—14.5	.....	+0.210	+0.299	+0.263	12 10—17 0	-0.486	-0.098	+0.337
17		16.3—16.6	-0.491	+0.198	+0.291	+0.295				
17		21.5—21.7	-0.490	+0.227	+0.319	+0.289	20 55—22 10	-0.498	-0.099	+0.361
18		3.5—3.8	-0.487	+0.206	+0.267	+0.267	4 5—5 35	-0.482	-0.078	+0.329
18		5.2—5.6	-0.474	+0.211	+0.269	+0.262				
18	P.	10.65—11.0	-0.478	+0.224	+0.283	+0.288	10 48	-0.469	-0.084	+0.355
18		13.5—13.7	-0.479	+0.235	+0.283	+0.353	13 36	-0.469	-0.084	+0.398
18		15.9—16.2	-0.481	+0.239	+0.284	+0.326	14 10—15 35	-0.469	-0.084	+0.392
19	L.	14.5—14.9	-0.472	+0.194	+0.249	+0.236	15 5—17 0	-0.478	-0.072	+0.311
19		16.6—17.1	-0.482	+0.201	+0.259	+0.263				
20		3.7—4.2	-0.472	+0.203	+0.268	+0.244	4 5—5 35	-0.474	-0.076	+0.326
20		5.3—5.6	-0.480	+0.204	+0.252	+0.292				
20		10.3—10.7	-0.466	+0.215	+0.281	+0.250	10 50—10 55	-0.475	-0.078	+0.327
20	M.	14.4—14.7	-0.476	+0.247	+0.287	+0.257	14 10—15 55	-0.482	-0.059	+0.361
20		16.2—16.4	.....	+0.250	+0.274	+0.270				
24	M.	10.5—11.0	-0.476	+0.231	+0.238	+0.221	10 20—12 30	-0.487	-0.032	+0.334
24		12.5—12.65	.....	+0.244	+0.254	+0.227				
24		14.7—15.3	.....	+0.260	+0.219	+0.211	14 10—15 10	-0.487	-0.017	+0.341
24		16.5—17.1	-0.489	+0.245	+0.222	+0.208	15 30—17 0	-0.487	-0.010	+0.329
24		21.9—22.1	-0.490	+0.226	+0.216	+0.201				
25		4.25—4.5	-0.478	+0.220	+0.298	+0.247	4 5—5 40	-0.498	-0.084	+0.346
25		5.7—5.8	.....	+0.242	+0.324	+0.262				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1909		h h	s	°	s	s	h m h m	s	s	s
Feb. 25	P.	10.6 —11.0	−0.473	+0.268	+0.362	+0.352	10 20—11 15	−0.480	−0.104	+0.439
25		13.75—13.9	−0.498	+0.278	+0.339	+0.375	13 51	−0.480	−0.097	+0.458
25		16.4 —16.6	−0.478	+0.279	+0.397	+0.400	16 30	−0.480	−0.134	+0.458
25		21.9 —22.1	−0.485	+0.274	+0.407	+0.447	21 35—22 40	−0.474	−0.146	+0.498
25		22.5 .....	.....	+0.297	.....	.....		
26		3.7 — 3.9	−0.503	+0.220	+0.378	+0.353	4 15— 5 45	−0.498	−0.156	+0.406
26		5.8 — 6.0	−0.490	+0.219	+0.381	+0.395				
26	L.	14.6 —15.4	−0.507	+0.219	+0.379	+0.407	14 48	−0.502	−0.162	+0.423
26		16.7 —17.2	−0.505	+0.267	+0.417	+0.422	17 0	−0.502	−0.162	+0.473
26		21.9 —22.2	−0.481	+0.272	+0.428	+0.419	21 40—22 45	−0.483	−0.160	+0.476
27		9.9 —10.3	−0.483	+0.228	+0.307	+0.306	10 20—12 15	−0.488	−0.084	+0.380
27		11.6 —12.1	−0.495	+0.258	+0.301	+0.303				
28	P.	4.45— 4.65	−0.479	+0.292	+0.319	+0.334	4 55— 6 10	−0.482	−0.081	+0.430
28		6.1 .....	.....	+0.272	.....	.....		
28		6.3 — 6.4	−0.490	.....	+0.341	+0.341				
28		10.6 —11.0	−0.508	+0.241	+0.297	+0.324	10 45—10 50	−0.501	−0.085	+0.388
28	M.	14.9 —15.3	−0.504	+0.262	+0.333	+0.326	15 30—17 0	−0.498	−0.095	+0.418
28		16.6 —17.1	−0.482	+0.280	+0.358	+0.325				
28		22.1 —22.4	−0.511	+0.247	+0.350	+0.323	21 50—22 50	−0.518	−0.110	+0.398
Mar. 1	M.	5.1 — 5.7	−0.503	+0.220	+0.313	+0.331	4 55— 7 10	−0.500	−0.106	+0.370
1		6.7 — 7.25	−0.502	+0.219	+0.309	+0.306				
2	P.	7.7 — 7.9	−0.499	+0.231	+0.247	+0.255	8 0— 8 45	−0.500	−0.052	+0.342
2		8.85— 8.9	.....	+0.229	+0.248	+0.269				
2		10.6 —10.85	−0.505	+0.206	+0.265	+0.270	10 20—10 50	−0.500	−0.066	+0.336
4	P.	15.1 —15.4	−0.523	+0.203	+0.394	+0.410	15 15	−0.510	−0.183	+0.425
4		17.1 —17.3	−0.502	+0.244	+0.390	+0.395	17 12	−0.510	−0.151	+0.425
4		21.0 —21.15	−0.507	+0.232	+0.383	+0.399	21 15—22 15	−0.500	−0.160	+0.424
4		22.45 .....	.....	+0.212	.....	.....	23 0—23 5	−0.500	−0.164	+0.417
4		22.9 .....	.....	+0.208	.....	.....		
5		23.2 —23.25	−0.509	.....	+0.365	+0.415				
5		4.75— 5.2	−0.491	+0.223	+0.455	+0.402	4 55— 6 10	−0.501	−0.200	+0.436
5		6.3 — 6.35	.....	+0.221	+0.434	+0.427	10 30—10 45	−0.505	−0.181	+0.454
5		10.4 —10.95	−0.502	+0.242	+0.431	+0.421				
7	M.	11.85—12.5	−0.489	+0.280	+0.376	+0.361	12 5—12 10	−0.493	−0.113	+0.446
7		15.0 —15.1	.....	+0.277	+0.357	+0.347	12 10—13 0	−0.499	−0.108	+0.440
7		16.5 —17.0	−0.500	+0.248	+0.331	+0.331	15 3	−0.499	−0.102	+0.434
7		21.6 —21.8	−0.503	+0.255	+0.370	+0.323	16 42	−0.499	−0.102	+0.401
7		22.8 —23.0	−0.489	+0.258	+0.355	+0.323	21 30—21 35	−0.516	−0.117	+0.405
							22 25—22 30	−0.507	−0.112	+0.406
							23 10—23 15	−0.498	−0.112	+0.406
9	M.	22.9 —23.15	−0.417	+0.117	+0.054	+0.078	23 20—23 25	−0.411	+0.026	+0.137
10	L.	15.1 —15.4	−0.435	+0.288	+0.222	+0.205				
10		17.8 —18.2	−0.434	+0.285	+0.231	+0.219	15 30—18 5	−0.438	+0.007	+0.358
10		22.8 —23.0	−0.466	+0.261	+0.234	+0.274	23 20—23 30	−0.455	−0.027	+0.372
11		4.8 — 5.2	−0.464	+0.233	+0.248	+0.266	4 55— 7 0	−0.462	−0.054	+0.346
11		7.4 — 7.7	−0.478	+0.220	+0.237	+0.285				
11		10.3 —10.5	−0.470	+0.219	+0.255	+0.288	10 40—10 45	−0.461	−0.069	+0.348
11	P.	14.7 —14.9	−0.472	+0.248	+0.268	+0.294	15 5—17 0	−0.468	−0.058	+0.382
11		17.1 —17.2	−0.485	+0.252	+0.258	+0.317	18 0—18 5	−0.468	−0.044	+0.402
11		18.1 —18.2	.....	+0.289	+0.261	+0.310				
11		23.0 —23.2	−0.465	+0.283	+0.277	+0.285	22 45—23 30	−0.463	−0.040	+0.398
13	P.	16.3 —16.6	−0.483	+0.269	+0.245	+0.212	16 0—17 0	−0.492	−0.014	+0.345
14	M.	15.15—15.6	−0.498	+0.264	+0.248	+0.271	15 18	−0.490	−0.032	+0.386
14		17.35—17.6	−0.488	+0.311	+0.253	+0.249	17 30	−0.490	0.000	+0.386
							17 50—18 5	−0.489	0.000	+0.399
14		22.2 —22.3	−0.482	+0.261	+0.274	+0.224	22 0—22 5	−0.495	−0.038	+0.349
15		5.1 — 5.25	−0.495	+0.228	+0.265	+0.276	4 55— 7 0	−0.498	−0.066	+0.340
15		6.8 — 7.15	−0.501	+0.218	+0.265	+0.254				
15		10.3 —10.5	−0.514	+0.235	+0.266	+0.256				
							10 35—10 40	−0.517	−0.057	+0.344

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1909		h h	s	s	s	s	h m h m	s	s	s
Mar. 15	P.	15.1—15.3	-0.484	+0.283	+0.331	+0.290	15 30—17 0	-0.488	-0.074	+0.406
15		17.25—17.4	.....	+0.269	+0.318	+0.308				
15		18.75—19.1	-0.492	+0.276	+0.303	+0.357	18 0—18 55	-0.488	-0.076	+0.414
15		23.6 .....	.....	+0.299	.....	.....	23 40—23 45	-0.484	-0.066	+0.432
16		23.85—23.95	-0.480	.....	+0.330	+0.315				
16		5.9—6.2	-0.488	+0.279	+0.226	+0.297	6 20—8 0	-0.474	-0.032	+0.386
16		7.7—8.0	-0.488	+0.256	+0.258	+0.286				
16	L.	15.5—15.8	.....	+0.218	+0.267	+0.235	15 39	-0.496	-0.054	+0.321
16		18.2—18.4	-0.494	+0.266	+0.270	+0.275	18 18	-0.496	-0.054	+0.379
16		22.4—22.6	-0.501	+0.215	+0.265	+0.339	22 10—22 15	-0.482	-0.088	+0.372
17		23.5—0.1	-0.494	+0.220	+0.282	+0.241	22 30	-0.494	-0.080	+0.372
17		6.1—6.3	-0.498	+0.231	+0.248	+0.280	23 48	-0.494	-0.080	+0.328
17		9.0—9.1	.....	+0.250	+0.276	+0.249	6 0—9 0	-0.491	-0.052	+0.354
17		11.6—11.9	-0.486	+0.267	+0.281	+0.267	9 25—12 15	-0.491	-0.050	+0.366
17	M.	15.2—15.5	-0.492	+0.248	+0.305	+0.307	15 21	-0.490	-0.088	+0.386
17		17.5—17.8	-0.489	+0.271	+0.339	+0.337	17 36	-0.490	-0.088	+0.422
17		21.1—21.25	-0.481	+0.281	+0.354	+0.287	21 0—21 5	-0.499	-0.084	+0.406
17		23.4—23.6	-0.493	+0.242	+0.321	+0.286	21 12	-0.501	-0.088	+0.406
18		5.6—5.85	-0.495	+0.217	+0.320	+0.298	23 30	-0.501	-0.088	+0.371
18		6.9—7.15	.....	+0.227	+0.310	+0.330	23 45—23 55	-0.503	-0.091	+0.371
19	L.	15.0—15.4	-0.495	+0.232	+0.287	+0.271	6 0—7 0	-0.497	-0.105	+0.370
19		17.8—18.1	-0.492	+0.252	+0.284	+0.266	15 40—18 5	-0.498	-0.066	+0.358
19		22.6—22.8	.....	+0.253	+0.212	+0.224	22 42	-0.496	-0.008	+0.336
19		23.7 .....	.....	+0.243	.....	.....	23 57	-0.496	-0.008	+0.301
19		0.1—0.2	-0.488	.....	+0.218	+0.171				
20		6.2—6.3	-0.488	+0.213	+0.207	+0.198	6 0—9 0	-0.497	-0.018	+0.298
20		9.0—9.1	.....	+0.224	+0.191	+0.213	9 25—12 15	-0.497	-0.017	+0.314
20		11.6—11.9	-0.512	+0.231	+0.205	+0.230				
21	M.	15.3—16.0	-0.510	+0.235	+0.261	+0.267	15 40—18 5	-0.502	-0.057	+0.363
21		17.6—17.9	-0.498	+0.255	+0.280	+0.285	22 35—0 10	-0.505	-0.059	+0.381
21		22.8—23.0	-0.498	+0.263	+0.310	+0.276				
21		23.7—23.8	.....	+0.269	+0.285	+0.269	0 0—7 25	-0.502	-0.052	+0.372
22		6.1—6.3	-0.493	+0.273	+0.273	+0.267				
22		7.6—7.75	-0.511	+0.239	+0.272	+0.282				
22	P.	15.4—15.6	-0.503	+0.264	+0.281	+0.298	15 40—18 5	-0.494	-0.047	+0.388
22		17.3—17.5	-0.490	+0.277	+0.271	+0.270	22 30	-0.510	-0.045	+0.393
22		22.45—22.6	-0.504	+0.280	+0.288	+0.275	0 15	-0.510	-0.076	+0.358
22		0.0 .....	.....	+0.226	.....	.....		
23		0.4—0.5	-0.518	.....	+0.275	+0.294	0 0—7 40	-0.499	-0.078	+0.357
23		5.6—5.75	-0.498	+0.253	+0.300	+0.266				
23		7.7—7.9	-0.485	+0.219	+0.298	+0.276				
23	L.	15.1—15.5	-0.508	+0.229	+0.294	+0.264	15 18	-0.508	-0.078	+0.347
23		17.8—18.2	-0.505	+0.271	+0.273	+0.296	18 0	-0.508	-0.047	+0.394
23		23.9 .....	.....	+0.248	+0.269	+0.323	0 10—0 15	-0.487	-0.065	+0.390
24		0.4	-0.501	.....	.....	.....	
25	M.	0.4—0.6	-0.504	+0.156	+0.189	+0.210	0 15—0 20	-0.499	-0.055	+0.251
25		8.05—8.4	-0.504	+0.200	+0.201	+0.208	8 12	-0.504	-0.029	+0.285
25		10.2—10.5	-0.499	+0.235	+0.231	+0.207	10 27	-0.504	-0.029	+0.316
25	P.	22.65—22.8	-0.496	+0.213	+0.256	+0.245	22 45	-0.491	-0.062	+0.320
25		0.1 .....	.....	+0.245	.....	.....	0 18	-0.491	-0.062	+0.359
26		0.45—0.5	-0.479	.....	+0.282	+0.265				
26		4.6—5.0	-0.483	+0.203	+0.209	+0.263	4 45—4 50	-0.469	-0.048	+0.317
26		8.3—8.5	-0.503	+0.211	+0.215	+0.244	8 35—10 25	-0.488	-0.046	+0.315
26		10.5—10.65	-0.480	+0.216	+0.240	+0.235				
26	L.	15.0—15.5	-0.489	+0.228	+0.242	+0.204	15 12	-0.497	-0.032	+0.310
26		17.7—18.2	-0.497	+0.254	+0.237	+0.246	18 0	-0.497	-0.032	+0.351
26		23.8—0.1	-0.498	+0.242	+0.224	+0.249	23 5—23 10	-0.492	-0.028	+0.341

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1909		h h	s	s	s	s	h m h m	s	s	s
Mar. 28	P.	6.45—6.55	-0.463	+0.235	+0.148	+0.153	5 33	-0.462	+0.038	+0.278
28		8.5 — 8.6	-0.463	+0.267	+0.153	+0.162	8 33	-0.462	+0.038	+0.308
28	M.	15.05—15.4	-0.474	+0.246	+0.184	+0.172	15 40—16 30	-0.480	+0.002	+0.292
28		17.25—17.5	-0.478	+0.218	+0.195	+0.181				
28		23.0 —23.6	-0.473	+0.229	+0.195	+0.177	23 15—23 20	-0.478	-0.004	+0.291
28		0.2 — 0.25	.....	+0.248	+0.197	+0.168	0 0—0 35	-0.478	+0.002	+0.296
29		7.4 — 8.2	-0.464	+0.201	+0.141	+0.132	7 35—8 30	-0.466	+0.019	+0.240
30	P.	0.7 — 0.9	-0.483	+0.261	+0.137	+0.197	0 30—0 40	-0.467	+0.044	+0.321
30		8.0 — 8.1	-0.477	+0.239	+0.156	+0.142	8 20—10 15	-0.473	+0.036	+0.282
30		10.3 —10.5	-0.468	+0.251	+0.153	+0.142	11 25—12 20	-0.473	+0.044	+0.289
30		12.4 —12.6	-0.473	+0.251	+0.139	+0.158				
30	L.	15.0 —15.5	-0.486	+0.231	+0.160	+0.153	15 40—18 5	-0.486	+0.026	+0.278
30		17.8 —18.1	-0.473	+0.248	+0.174	+0.135				
31		0.8 — 1.1	-0.495	+0.177	+0.167	+0.174				
31		8.0 — 8.4	-0.495	+0.199	+0.163	+0.181	8 12	-0.486	-0.006	+0.267
31		10.3 —10.6	-0.476	+0.254	+0.183	+0.158	10 27	-0.486	+0.024	+0.300
31	M.	15.1 —15.4	-0.481	+0.247	+0.177	+0.132	15 40—18 5	-0.488	+0.028	+0.281
31		17.35—17.7	-0.478	+0.242	+0.166	+0.145				
31		23.9 — 0.1	-0.495	+0.190	+0.136	+0.156	23 35—0 45	-0.490	+0.007	+0.242
31		0.5 .....	.....	+0.185	.....	.....		
Apr. 2	P.	10.8 —10.9	-0.475	+0.235	+0.137	+0.136	11 0—12 50	-0.476	+0.039	+0.266
2		12.9 —13.05	-0.476	+0.227	+0.138	+0.137				
2	L.	15.0 —15.5	-0.496	+0.215	+0.154	+0.139	15 40—18 5	-0.496	+0.022	+0.270
2		17.8 —18.3	-0.494	+0.234	+0.151	+0.164				
3	L.	12.1 —12.6	-0.480	+0.223	+0.141	+0.132	11 50—13 10	-0.482	+0.033	+0.257
4	P.	11.7 —11.9	-0.473	+0.245	+0.102	+0.124	11 25—13 0	-0.465	+0.056	+0.266
4		13.1 —13.2	-0.467	+0.230	+0.127	+0.143				
4	M.	15.1 —15.45	-0.474	+0.226	+0.124	+0.113	15 40—18 5	-0.481	+0.039	+0.240
4		17.7 —18.3	-0.481	+0.203	+0.130	+0.114				
4		0.4 — 0.7	-0.480	+0.203	+0.110	+0.098	0 35—1 0	-0.483	+0.045	+0.221
5	P.	12.7 —13.1	-0.457	+0.155	+0.018	+0.061	12 55—15 10	-0.441	+0.074	+0.168
5		14.5 —14.7	-0.444	+0.181	+0.044	+0.072				
5		0.4 — 0.8	-0.439	+0.139	+0.087	+0.087	0 40—1 5	-0.439	+0.019	+0.163
6		8.1 — 8.2	-0.399	+0.133	+0.043	+0.059	8 9	-0.406	+0.046	+0.139
6		10.0 —10.2	-0.415	+0.081	+0.074	+0.067	10 6	-0.406	-0.004	+0.105
6	L.	14.4 —14.7	-0.405	+0.110	+0.045	+0.030	14 5—14 10	-0.409	+0.037	+0.106
6		16.9 —17.4	-0.407	+0.107	+0.038	+0.046	15 0—17 15	-0.407	+0.036	+0.108
6		0.8 — 0.9	-0.402	.....	+0.036	+0.064	1 0—1 5	-0.395	-0.025	+0.048
7		1.3 .....	.....	+0.015	.....	.....		
7		9.1 — 9.7	-0.389	+0.130	+0.051	+0.059	8 50—9 40	-0.387	+0.040	+0.138
7	M.	15.3 —15.55	-0.415	+0.213	+0.027	+0.038	14 50—14 55	-0.412	+0.111	+0.188
7		16.6 —17.0	-0.427	+0.203	+0.033	+0.038	15 5—16 30	-0.419	+0.106	+0.185
8	P.	15.3 —15.5	-0.432	+0.186	-0.001	+0.021	15 40—15 45	-0.426	+0.113	+0.155
8		0.6 — 1.0	-0.439	+0.190	+0.025	+0.038	0 25—1 15	-0.436	+0.096	+0.170
9		8.0 — 8.2	-0.454	+0.173	+0.034	+0.032	8 20—9 40	-0.448	+0.075	+0.164
9		9.7 — 9.85	-0.445	+0.174	+0.048	+0.065				
9	L.	17.2 —17.6	-0.471	+0.219	+0.068	+0.061	16 50—18 5	-0.473	+0.086	+0.209
9		0.7 — 1.0	-0.469	+0.197	+0.097	+0.097	0 30—1 20	-0.469	+0.049	+0.214
10		8.2 — 8.6	-0.501	+0.165	+0.108	+0.090	8 25—9 15	-0.506	+0.023	+0.186
10	P.	15.3 —15.5	-0.493	+0.226	+0.150	+0.166	15 24	-0.500	+0.014	+0.278
10		18.2 —18.35	-0.492	+0.212	+0.181	+0.113	18 18	-0.500	+0.014	+0.243

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1909		h h	s	s	s	s	h m h m	"	s	s
May 10	P.	18.5 — 18.8	−0.083	+0.095	+0.087	+0.047	18 35—19 35	−0.093	+0.002	+0.108
10		20.45—20.55	.....	+0.095	+0.084	+0.050				
10		2.9 — 3.0	−0.068	.....	+0.083	+0.043				
11		3.3 — .....	.....	+0.113	.....	.....		
11		4.75— 5.2	−0.069	+0.086	+0.098	+0.084				
11		9.6 — 9.8	−0.086	+0.066	+0.073	+0.084	9 20—13 0	−0.080	−0.014	+0.098
11		12.8 — 13.2	−0.070	+0.072	+0.076	+0.054				
11	L.	20.8 — 21.9	−0.066	+0.128	+0.099	+0.092	21 10—21 45	−0.068	+0.004	+0.158
11		2.6 — 3.2	−0.098	+0.100	+0.055	+0.039	3 30— 3 35	−0.089	+0.040	+0.102
12		4.4 — .....	.....	+0.129	.....	.....		
12		9.5 — 9.9	−0.086	+0.064	+0.043	+0.006	9 39	−0.086	+0.020	+0.057
12		12.1 — 12.7	−0.079	+0.093	+0.042	+0.049	12 18	−0.086	+0.020	+0.103
12	M.	20.4 — 21.2	−0.072	+0.117	+0.093	+0.073	21 0—22 20	−0.071	+0.012	+0.143
12		21.9 — 22.1	.....	+0.112	+0.073	+0.100				
12		2.7 — 3.0	−0.077	+0.114	+0.007	+0.103	3 15— 4 45	−0.076	+0.032	+0.122
13		4.4 — 4.5	.....	+0.107	+0.066	+0.031				
13		9.7 — 9.75	.....	+0.078	−0.056	+0.024	9 20— 9 40	−0.116	+0.074	+0.062
13		10.75—10.9	−0.133	+0.080	−0.040	−0.003	11 5—12 40	−0.124	+0.084	+0.056
13		12.3 — 12.7	.....	+0.095	−0.055	−0.020				
14	L.	1.6 — 1.9	−0.131	+0.074	+0.076	+0.092	1 25— 3 30	−0.138	−0.032	+0.100
15		3.2 — 3.8	.....	+0.034	+0.088	+0.094	4 55— 5 0	−0.156	−0.039	+0.074
15		5.1 — 5.3	−0.165	+0.027	+0.059	+0.065				
15		9.2 — 9.5	.....	+0.036	+0.012	+0.003	9 20—13 30	−0.153	+0.018	+0.046
15		12.7 — 13.3	−0.155	+0.055	+0.009	+0.032				
16	M.	2.0 — 2.1	.....	+0.018	+0.023	+0.067	1 55— 5 10	−0.112	−0.010	+0.039
16		3.1 — 3.3	−0.117	+0.021	+0.041	+0.008				
17		4.6 — 4.7	.....	+0.018	+0.008	+0.053				
17		10.5 — 11.0	−0.122	+0.015	+0.035	+0.039	10 45	−0.122	−0.019	+0.042
17		12.7 — 13.1	.....	+0.049	+0.021	+0.019	12 54	−0.122	+0.014	+0.042
17	P.	1.7 — 1.9	−0.100	+0.037	+0.036	+0.037	1 25— 1 30	−0.098	−0.004	+0.044
17		3.4 — 3.45	.....	+0.022	+0.017	+0.033	3 24	−0.084	−0.003	+0.042
18		4.8 — 5.0	−0.091	+0.036	−0.030	+0.042	4 54	−0.084	+0.030	+0.042
18		9.8 — 10.05	−0.095	+0.035	+0.018	+0.013	9 54	−0.092	+0.021	+0.036
18		13.0 — 13.1	.....	+0.063	+0.002	+0.032	13 6	−0.092	+0.021	+0.066
24	P.	1.75— 1.8	.....	+0.004	−0.006	+0.024	1 25— 1 30	−0.094	+0.001	+0.003
25		4.3 — 4.4	−0.100	−0.010	−0.013	+0.002				
28	P.	4.5 — 4.7	−0.098	−0.027	+0.125	+0.045	4 15— 4 25	−0.120	−0.096	+0.016
28		10.8 — 10.9	−0.158	−0.069	+0.034	+0.062	11 5—14 0	−0.148	−0.078	−0.007
28		14.0 — 14.2	.....	−0.062	+0.038	+0.092				
Counterpoise weights adjusted.										
28	L.	21.1 — 21.5	−0.101	+0.022	+0.062	+0.036	21 20—21 25	−0.108	−0.029	+0.043
29		9.2 — 9.6	−0.098	+0.019	+0.031	+0.010	9 24	−0.116	−0.007	+0.018
29		13.3 — 14.0	−0.127	−0.024	+0.051	+0.046	13 48	−0.116	−0.053	+0.018
30	P.	13.0 — 13.3	−0.127	−0.053	+0.074	−0.042	13 6	−0.138	−0.065	−0.055
30		14.8 — 14.9	.....	−0.037	+0.012	+0.006	14 51	−0.138	−0.031	−0.024
31	L.	13.9 — 14.5	−0.135	−0.028	+0.006	−0.013	14 5—14 50	−0.140	−0.016	−0.026
31		14.8 — .....	.....	−0.022	.....	.....		
June 31	P.	21.7 — 21.8	−0.116	−0.026	+0.039	+0.049	21 20—21 25	−0.113	−0.048	+0.010
1		4.8 — 5.0	−0.112	−0.040	+0.025	−0.016	4 30— 5 15	−0.123	−0.035	−0.037
1	L.	21.2 — 21.6	−0.119	−0.041	−0.029	+0.044	21 20—21 25	−0.100	−0.020	−0.012
1		1.1 — 1.6	−0.118	−0.024	−0.027	+0.047	1 25— 1 30	−0.098	−0.011	+0.003
2		4.8 — 5.0	−0.132	−0.065	+0.001	+0.032	4 35— 4 40	−0.124	−0.047	−0.034
2		11.9 — 12.0	.....	−0.072	+0.034	−0.029	11 40—14 0	−0.148	−0.054	−0.056
2		14.8 — 15.5	−0.136	−0.059	+0.025	0.000				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1909		h h	s	s	s	s	h m h m	s	s	s
June 6	M.	19.8 —20.8	−0.127	−0.026	+0.013	+0.019	20 15—21 25	−0.124	−0.032	−0.008
6		21.1 —21.5	.....	−0.034	+0.017	+0.036				
6		1.1 —1.6	−0.123	+0.012	+0.057	+0.003	1 25—1 30	−0.137	−0.024	+0.017
7		5.1 —5.3	−0.115	−0.028	+0.018	−0.014				
11	M.	23.0 —23.7	−0.109	−0.010	+0.005	+0.020	23 50—2 5	−0.104	−0.017	+0.004
11		1.1 —1.9	.....	−0.014	+0.009	+0.029				
12		5.5 —5.6	−0.111	−0.032	+0.047	+0.004	5 15—5 25	−0.123	−0.048	−0.018
12		12.8 —13.1	−0.139	−0.067	+0.010	+0.006	13 25—15 10	−0.137	−0.051	−0.034
12		14.5 —14.7	.....	−0.052	+0.019	+0.039				
13	L.	1.9 —2.0	−0.123	−0.041	+0.095	+0.026	1 25—1 30	−0.141	−0.084	−0.009
14		5.7 —5.9	−0.136	−0.047	+0.074	+0.049	5 25—5 35	−0.142	−0.082	−0.003
14		18.5 —18.8	−0.125	−0.022	+0.077	+0.043	18 55—19 55	−0.135	−0.068	+0.014
14		19.8 —20.0	.....	−0.021	+0.085	+0.046				
15	M.	18.5 —18.8	−0.130	−0.022	+0.032	+0.053	19 0—19 45	−0.125	−0.034	+0.003
15		19.8 —19.9	.....	−0.025	+0.006	+0.024				
15	L.	1.6 —1.9	−0.089	+0.031	+0.059	+0.022	1 25—1 30	−0.099	−0.018	+0.041
16		5.8 —6.2	−0.121	−0.043	+0.049	+0.033	5 35—6 40	−0.125	−0.056	−0.004
16		13.1 —14.5	−0.116	−0.045	+0.025	+0.017	13 25—15 10	−0.118	−0.050	−0.018
16		14.9 —15.2	.....	−0.041	+0.037	+0.030				
16		18.9 —19.8	−0.120	−0.045	+0.040	+0.035	19 0—19 45	−0.121	−0.059	−0.012
17	L.	1.2 —1.7	−0.104	−0.017	+0.051	+0.015	1 25—1 30	−0.114	−0.043	0.000
18		5.9 —6.1	−0.098	−0.024	+0.004	−0.001	5 40—6 50	−0.100	−0.012	−0.028
18		6.7 —6.9	.....	−0.030	−0.014	−0.026				
18		13.0 —13.2	−0.111	−0.039	+0.009	+0.009	13 25—15 10	−0.110	−0.032	−0.020
18		14.8 —15.2	.....	−0.033	+0.015	+0.018				
18	M.	0.9 —1.2	−0.072	−0.018	+0.035	−0.039	1 25—1 30	−0.092	+0.001	−0.003
19		6.0 —6.3	−0.123	−0.014	−0.011	−0.037	5 45—6 55	−0.130	+0.006	−0.031
19		12.9 —13.2	−0.109	−0.064	−0.014	−0.009	13 25—15 10	−0.108	−0.035	−0.048
19		14.6 —14.9	.....	−0.056	+0.004	+0.010				
20	L.	1.2 —1.7	−0.155	−0.075	+0.043	+0.041	1 25—1 30	−0.156	−0.081	−0.033
21		6.1 —6.4	−0.148	−0.072	+0.047	+0.006	5 55—7 5	−0.157	−0.072	−0.047
21		7.2 —7.3	.....	−0.079	+0.032	+0.023				
21		9.2 —9.4	.....	−0.106	+0.069	+0.019	9 15—9 20	−0.157	−0.109	−0.055
Collimation adjusted.										
21		12.8 —13.1	−0.205	−0.110	+0.018	+0.023	13 25—15 10	−0.204	−0.096	−0.066
21		14.9 —15.2	.....	−0.114	+0.048	+0.049				
21	M.	1.2 —1.7	−0.207	−0.077	+0.031	+0.018	1 25—1 30	−0.210	−0.069	−0.047
22		6.2 —6.4	−0.212	−0.096	+0.030	+0.019	5 0—7 10	−0.215	−0.081	−0.062
23	L.	6.2 —6.5	−0.216	−0.104	+0.053	+0.110	6 5—7 15	−0.201	−0.122	−0.021
23		7.0 —.....	.....	−0.111	.....	.....		
23		12.8 —13.2	−0.249	−0.149	+0.041	+0.067	13 25—15 10	−0.234	−0.126	−0.063
23		14.9 —15.3	.....	−0.135	+0.024	+0.101				
23		18.8 —19.4	−0.226	−0.082	+0.057	+0.084	19 0—19 45	−0.219	−0.099	−0.011
23		19.8 —.....	.....	−0.075	.....	.....		
24	M.	6.5 —6.8	−0.200	−0.077	+0.029	+0.039	6 5—6 15	−0.197	−0.072	−0.047
24		13.0 —13.2	−0.209	−0.093	+0.070	−0.006	13 25—15 10	−0.225	−0.100	−0.064
24		14.9 —15.2	.....	−0.100	+0.064	+0.022				
24		18.5 —18.85	−0.216	−0.098	+0.043	+0.059	19 0—19 40	−0.214	−0.096	−0.029
24		19.75—19.9	.....	−0.071	+0.060	+0.059				
24	L.	1.6 —1.7	−0.215	−0.099	+0.070	+0.078	1 25—1 30	−0.213	−0.119	−0.029
25		6.4 —6.6	−0.220	−0.110	+0.080	+0.050	6 10—7 25	−0.219	−0.120	−0.039
25		7.5 —7.7	.....	−0.103	+0.054	+0.091				
25		13.2 —13.7	−0.199	−0.092	+0.095	+0.044	13 25—14 50	−0.210	−0.106	−0.038
25		14.9 —15.2	.....	−0.079	+0.059	+0.032				

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1909		h h	s	s	s	s	h m h m	s	s	s
June 25	M.	0.8 — 1.1	-0.200	-0.062	+0.024	+0.095	1 25—1 30	-0.187	-0.078	0.000
26		6.5 — 6.7	-0.233	-0.139	+0.028	+0.081	6 15—7 30	-0.219	-0.121	-0.063
26		12.8 —14.0	-0.216	-0.132	+0.077	+0.068	13 10—13 15	-0.218	-0.127	-0.052
26		14.7 —15.0	.....	-0.111	+0.052	+0.070	13 30—14 55	-0.214	-0.127	-0.052
28	L.	14.1 —14.5	-0.220	-0.118	+0.038	+0.074	14 10—15 15	-0.210	-0.110	-0.042
28		15.4 —15.7	.....	-0.105	+0.045	+0.078				
29	M.	6.8 — 7.0	-0.202	-0.108	+0.083	+0.065	6 30—7 45	-0.207	-0.129	-0.042
29		13.7 —14.0	-0.206	-0.131	+0.064	+0.027	13 48	-0.208	-0.125	-0.081
29		16.2 —16.3	.....	-0.091	+0.039	+0.068	16 15	-0.208	-0.095	-0.031
29	L.	1.2 — 1.7	-0.200	-0.078	+0.020	+0.027	1 25—1 30	-0.198	-0.067	-0.044
30		6.7 — 7.0	-0.216	-0.108	+0.006	+0.070	6 30—7 50	-0.198	-0.092	-0.050
30		8.0 — 8.1	.....	-0.122	-0.014	+0.098				
30		13.2 —13.7	-0.197	-0.117	+0.009	+0.046	13 25—17 10	-0.194	-0.080	-0.054
30		16.7 —16.9	.....	-0.076	+0.034	+0.022				
July 30	M.	1.1 — 1.7	-0.181	-0.075	+0.016	+0.042	1 25—1 30	-0.174	-0.066	-0.035
1		6.8 — 7.0	-0.197	-0.099	+0.085	+0.039	6 35—6 45	-0.209	-0.118	-0.047
1		13.6 —13.9	-0.200	-0.107	+0.080	+0.016	13 25—15 10	-0.208	-0.118	-0.053
1		15.3 —15.4	.....	-0.112	+0.057	+0.078	17 25—17 30	-0.206	-0.115	-0.071
1		17.7 —18.5	-0.209	-0.122	+0.050	+0.026	17 48	-0.214	-0.098	-0.076
1		19.0 —19.1	.....	-0.081	+0.046	+0.036	19 3	-0.214	-0.098	-0.039
1	P.	0.8 — 1.1	-0.226	-0.081	+0.012	+0.067	1 25—1 30	-0.211	-0.072	-0.026
1		5.9 — 6.1	-0.216	-0.113	+0.002	+0.051	5 15—6 50	-0.203	-0.083	-0.062
2		13.8 —13.9	.....	-0.087	+0.058	-0.031	13 25—16 10	-0.196	-0.062	-0.066
2		16.45—16.7	-0.183	-0.070	+0.013	-0.015	16 33	-0.196	-0.056	-0.062
2		19.35—19.55	.....	-0.047	+0.060	+0.006	19 27	-0.196	-0.056	-0.027
2	L.	5.5 — 5.6	.....	-0.062	+0.020	+0.013	5 20—6 50	-0.191	-0.056	-0.038
3		6.5 — 6.9	-0.189	-0.063	+0.029	+0.021				
3		13.6 —14.1	-0.226	-0.124	-0.008	+0.052	13 25—13 30	-0.210	-0.085	-0.070
3		15.9 —16.0	.....	-0.043	+0.009	+0.021	13 57	-0.210	-0.079	-0.065
3		18.7 —19.3	-0.143	.....	+0.039	-0.033	15 57	-0.190	-0.037	-0.022
3		20.1	-0.148	-0.006	.....	.....	18 50—18 55	-0.165	-0.028	-0.020
4							19 0	-0.164	-0.028	-0.020
4							19 48	-0.148	-0.028	-0.020
4	M.	18.9 —19.3	-0.143	-0.020	+0.010	-0.027	19 30—20 25	-0.155	-0.010	-0.026
4		20.45—20.8	.....	-0.008	+0.018	-0.036				
6	L.	21.7 —22.3	-0.148	-0.059	-0.020	-0.061	22 0—22 50	-0.154	-0.015	-0.072
6		23.0 —23.1	.....	-0.060	-0.024	-0.031				
7		7.2 — 7.5	-0.143	-0.030	-0.023	-0.037	7 0—7 10	-0.147	+0.002	-0.045
7		13.0 —13.3	-0.163	-0.084	-0.076	-0.081	12 55—16 30	-0.163	+0.014	-0.111
7		16.3 —16.6	.....	-0.073	-0.083	-0.081				
7	M.	23.1 —23.8	.....	-0.034	-0.025	-0.070	23 20—1 30	-0.151	0.000	-0.064
7		0.4 — 1.1	-0.144	-0.051	-0.029	-0.036				
7		5.8 — 6.1	-0.144	-0.036	-0.031	-0.003	5 35—8 35	-0.134	0.000	-0.044
8		8.1 — 8.3	.....	-0.053	-0.064	-0.014				
8		13.6 —13.7	.....	-0.088	-0.059	-0.040	12 55—16 10	-0.173	-0.018	-0.100
8		14.5 —16.25	-0.169	-0.083	-0.023	-0.071				
8	P.	23.1 — 0.6	-0.159	-0.045	-0.011	-0.005	23 20—1 30	-0.163	-0.020	-0.041
8		1.7 — 1.8	.....	-0.036	+0.007	-0.030				
8		5.4 — 5.85	-0.154	-0.032	-0.023	-0.037	5 40—8 40	-0.158	+0.007	-0.053
9		8.45— 8.8	.....	-0.034	-0.043	-0.054				
9		13.7 —15.3	-0.153	-0.090	+0.010	-0.058	12 55—16 10	-0.168	-0.042	-0.096
9		16.4 —16.5	.....	-0.084	-0.010	-0.050				
9	L.	22.7 — 1.1	-0.133	-0.050	-0.009	-0.078	22 51	-0.144	-0.016	-0.081
9		1.6 — 1.7	.....	-0.044	-0.001	-0.017	1 42	-0.144	-0.016	-0.043
9		5.9 — 6.0	.....	-0.069	+0.016	-0.004	5 45—7 20	-0.151	-0.052	-0.056
9		6.8 — 7.0	-0.151	-0.084	-0.006	+0.012				
10		12.8 —13.1	.....	-0.109	-0.048	-0.016	12 55—16 30	-0.162	-0.030	-0.094
10		16.2 —16.7	-0.167	-0.085	-0.045	-0.036				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>c_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1909 July 10	P.	^h 22.8 — ^h 0.3 1.75 — 1.9	^s -0.161	^s -0.085 -0.080	^s +0.009 -0.063	^s -0.067 -0.001	^h 23 0 — 2 15	^s -0.163	^s -0.030	^s -0.085
11	M.	6.1 — 6.4	-0.163	-0.100	-0.024	+0.008	5 55 — 7 30	-0.154	-0.051	-0.076
12		14.2 — 14.4	-0.180	-0.133	-0.012	-0.029	13 25 — 15 35	-0.184	-0.070	-0.120
14	L.	7.7 — 7.9	-0.179	-0.095	-0.011	-0.005	7 30 — 7 35	-0.177	-0.052	-0.077
14		13.3 — 13.6	.....	-0.146	-0.032	-0.055	13 25 — 13 30	-0.187	-0.056	-0.145
14		15.3 — 16.9	-0.187	-0.117	-0.034	-0.011	13 24	-0.174	-0.056	-0.146
14		18.2 — 18.3	.....	-0.116	-0.049	+0.019	16 48	-0.174	-0.056	-0.100
14	M.	1.7 — 2.0	-0.160	-0.076	-0.004	-0.018	18 0 — 18 5	-0.174	-0.051	-0.092
14		6.9 — 7.1	-0.159	-0.088	-0.024	+0.025	1 25 — 1 30	-0.164	-0.041	-0.069
15		16.0 — 16.5	-0.193	-0.116	-0.011	-0.021	6 10 — 7 40	-0.146	-0.047	-0.058
15		18.6 — 19.1	.....	-0.097	-0.019	+0.023	16 15	-0.189	-0.059	-0.103
15	P.	1.2 — 1.7	-0.205	-0.120	-0.010	+0.023	18 51	-0.189	-0.059	-0.066
16	L.	1.1 — 1.7	-0.183	-0.078	0.000	-0.025	0 55 — 1 30	-0.196	-0.075	-0.082
16		6.3 — 6.6	.....	-0.064	-0.020	-0.028	0 55 — 1 30	-0.189	-0.044	-0.073
17		7.5 — 8.5	-0.176	-0.083	-0.032	-0.053	6 25 — 7 50	-0.180	-0.022	-0.080
17		13.0 — 13.2	-0.177	-0.096	-0.009	-0.040	13 25 — 16 30	-0.188	-0.046	-0.087
17		17.0 — 17.1	.....	-0.078	+0.008	-0.034	17 20 — 19 0	-0.188	-0.046	-0.068
17		18.6 — 18.7	.....	-0.062	+0.022	-0.024				
18	M.	0.7 — 1.1	-0.146	-0.011	-0.010	-0.024	0 55 — 1 30	-0.150	+0.004	-0.033
19	P.	1.2 — 1.6	-0.129	-0.027	-0.010	-0.067	0 55 — 1 30	-0.144	+0.004	-0.057
19		6.6 — 7.2	-0.159	-0.053	-0.052	-0.016	6 50 — 7 0	-0.149	-0.001	-0.054
20	M.	1.1 — 1.6	-0.139	-0.053	-0.037	-0.065	0 55 — 1 30	-0.146	+0.002	-0.079
20		7.3 — 7.5	-0.168	-0.099	-0.112	+0.025	6 55 — 8 5	-0.144	-0.011	-0.084
20		7.8 .....	.....	-0.093	.....	.....		
23	P.	7.1 — 7.7	-0.174	-0.082	-0.094	-0.032	7 9	-0.157	+0.008	-0.078
24		9.7 — 10.0	.....	-0.090	-0.047	+0.020	9 48	-0.157	-0.034	-0.078
24		12.8 — 13.2	-0.194	-0.091	-0.028	-0.006	13 0	-0.187	-0.042	-0.077
24		16.6 — 16.7	.....	-0.104	-0.010	-0.069	16 39	-0.187	-0.042	-0.118
24		19.1 — 19.3	-0.169	-0.063	-0.011	-0.044	16 39	-0.187	-0.034	-0.118
25	P.	12.75 — 13.2	-0.223	-0.056	-0.069	-0.044	19 12	-0.187	-0.034	-0.074
25		15.8 — 15.9	.....	-0.104	-0.055	-0.028	12 57	-0.216	+0.013	-0.074
25	M.	1.1 — 1.7	-0.164	-0.053	-0.034	-0.058	15 48	-0.216	-0.028	-0.101
25		7.3 — 7.8	-0.168	-0.072	-0.050	-0.024	0 55 — 1 30	-0.170	-0.001	-0.075
26		10.1 — 10.2	.....	-0.065	-0.058	-0.011	7 40 — 10 0	-0.162	-0.010	-0.068
26		12.6 — 13.1	.....	-0.034	-0.035	-0.042	12 55 — 13 0	-0.162	0.000	-0.056
27	P.	8.6 — 8.9	-0.189	-0.086	-0.076	-0.008	8 20 — 8 30	-0.171	-0.010	-0.079
27		15.4 — 15.6	-0.178	-0.114	-0.025	-0.034	15 45 — 19 25	-0.183	-0.044	-0.100
27		17.3 — 17.5	.....	-0.087	-0.018	-0.047				
27		19.75 — 19.8	.....	-0.099	-0.012	-0.037				
27	M.	1.2 — 1.7	-0.146	-0.041	-0.008	-0.076	1 25 — 1 30	-0.164	-0.004	-0.072
27		7.7 — 8.1	-0.181	-0.120	-0.076	-0.009	7 55 — 8 35	-0.163	-0.031	-0.105
28		12.6 — 13.0	.....	-0.114	-0.071	-0.038	13 25 — 13 30	-0.191	-0.030	-0.124
28		15.2 — 15.3	.....	-0.128	-0.048	-0.079	15 30 — 16 50	-0.191	-0.041	-0.147
28		16.9 — 17.5	-0.195	-0.146	-0.060	-0.051	16 55 — 19 25	-0.191	-0.046	-0.138
28		18.6 — 19.5	.....	-0.143	-0.069	-0.022				
28	P.	1.15 — 1.6	-0.197	-0.126	-0.040	-0.011	1 25 — 1 30	-0.190	-0.055	-0.109
28		7.8 — 8.25	-0.209	-0.168	-0.037	+0.022	8 5 — 10 15	-0.202	-0.086	-0.130
29		10.35 — 10.5	.....	-0.175	-0.050	+0.005				
29		13.2 — 13.6	-0.245	-0.174	-0.042	+0.014	12 55 — 18 0	-0.230	-0.087	-0.139
29		17.0 — 17.1	.....	-0.172	-0.027	-0.027				
29		18.4 — 18.6	-0.229	-0.160	-0.025	-0.011				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1909		h. h	s	s	s	s	L m h m	s	s	s
July 29	M.	7.6 — 7.8	-0.200	-0.138	-0.044	+0.027	8 15— 8 40	-0.181	-0.069	-0.098
30		13.6 — 13.7	.....	-0.155	-0.040	-0.008	13 25—13 30	-0.211	-0.072	-0.134
30		15.0 — 15.6	.....	-0.155	-0.037	-0.029	15 30—16 30	-0.211	-0.067	-0.146
30		16.7 — 17.0	-0.216	-0.162	-0.053	-0.040	17 10—19 20	-0.211	-0.065	-0.138
30		18.9 — 19.4	.....	-0.144	-0.038	-0.016				
30	L.	8.2 — 8.4	-0.198	-0.130	-0.031	-0.024	8 35— 8 45	-0.196	-0.058	-0.118
Aug. 1	P.	19.1 — 20.1	-0.177	-0.086	-0.051	-0.067	19 6	-0.172	-0.018	-0.107
1		21.45—21.5	.....	-0.076	-0.057	+0.016	21 30	-0.172	-0.018	-0.062
1	L.	1.0 — 1.6	-0.152	-0.065	-0.052	-0.056	1 25— 3 25	-0.154	-0.008	-0.072
1		3.5 — 3.6	.....	-0.051	-0.010	-0.038				
1		8.5 — 8.9	-0.127	-0.036	+0.008	-0.005	8 45— 8 50	-0.130	-0.025	-0.029
2		15.0 — 15.1	.....	-0.088	-0.064	-0.051	15 3	-0.155	-0.008	-0.102
2		18.1 — 19.8	-0.158	-0.042	-0.057	-0.062	18 24	-0.155	+0.020	-0.071
2		22.5 — 22.9	.....	-0.042	-0.066	-0.063	18 50—22 45	-0.155	+0.022	-0.072
2	P.	1.2 — 1.9	-0.151	-0.046	-0.047	-0.010	1 30	-0.147	-0.003	-0.046
2		3.15— 3.2	.....	-0.069	-0.047	-0.056	3 12	-0.147	-0.003	-0.088
3		9.05— 9.25	-0.165	-0.065	-0.059	-0.021	8 50— 9 0	-0.155	-0.004	-0.068
4	L.	8.7 — 9.2	-0.135	-0.034	-0.008	-0.022	8 55— 9 0	-0.131	-0.007	-0.032
4		13.2 — 13.6	.....	-0.066	-0.042	-0.058	13 25—15 25	-0.143	0.000	-0.090
4		16.5 — 16.9	-0.142	-0.064	-0.054	-0.072	16 45—19 45	-0.143	+0.010	-0.082
4		19.8 — 19.9	.....	-0.047	-0.058	-0.054				
4		23.5 — 23.8	.....	-0.046	-0.053	-0.050	23 55— 2 55	-0.143	+0.008	-0.058
4		3.2 — 3.4	.....	-0.037	-0.036	-0.031				
4	P.	8.7 — 8.85	-0.160	.....	-0.044	-0.021	8 55— 9 5	-0.154	-0.003	-0.054
5		9.1 .....	.....	-0.050	.....	.....		
5	P.	0.5 — 2.25	-0.144	-0.042	+0.002	-0.056	0 40— 3 25	-0.149	-0.012	-0.066
5		3.65— 3.7	.....	-0.066	-0.046	-0.028				
6	L.	13.6 — 13.8	-0.162	-0.085	-0.051	-0.053	13 25—19 45	-0.171	-0.020	-0.111
6		17.1 — 17.7	-0.187	-0.125	-0.095	-0.005				
6		19.4 — 19.8	.....	-0.110	-0.074	-0.046				
6		0.9 — 1.2	-0.168	-0.083	-0.041	-0.059	0 55— 3 25	-0.165	-0.013	-0.084
6		3.2 — 3.5	.....	-0.072	-0.056	-0.015				
7	P.	9.3 — 9.7	-0.172	-0.088	+0.001	-0.056	9 5— 9 25	-0.187	-0.043	-0.098
7		13.75—13.9	-0.221	-0.146	-0.040	+0.002	13 48	-0.204	-0.060	-0.118
7		16.7 — 16.85	.....	-0.159	-0.072	-0.050	16 45	-0.204	-0.060	-0.157
7		19.4 — 19.8	-0.186	-0.131	-0.037	-0.014	16 45	-0.189	-0.054	-0.157
7		1.1 — 1.3	-0.176	-0.117	-0.018	-0.009	19 36	-0.189	-0.054	-0.113
7		3.6 — 3.7	.....	-0.114	-0.035	-0.011	1 25— 3 25	-0.172	-0.056	-0.098
8	L.	1.2 — 1.9	-0.181	-0.111	-0.047	-0.026	1 25— 4 0	-0.179	-0.045	-0.092
8		4.2 .....	.....	-0.092	-0.008	-0.010				
8		9.0 — 9.5	-0.192	-0.114	-0.019	+0.041	9 10— 9 40	-0.176	-0.071	-0.069
9		16.4 — 16.9	-0.222	-0.148	-0.059	-0.026	16 45—19 5	-0.217	-0.055	-0.140
9		18.8 — 19.1	.....	-0.149	-0.050	-0.046				
9		2.9 — 3.1	-0.202	-0.111	-0.052	-0.019	2 50— 2 55	-0.193	-0.036	-0.102
10	P.	9.5 — 9.6	-0.221	-0.128	-0.103	+0.031	9 15— 9 50	-0.197	-0.037	-0.104
10		16.4 — 16.7	-0.199	-0.112	-0.021	-0.069	16 25—19 15	-0.208	-0.042	-0.118
10		19.5 — 19.6	.....	-0.107	-0.029	-0.047				
16	P.	9.9 — 10.1	-0.172	-0.079	-0.036	-0.032	0 40— 9 45	-0.171	-0.023	-0.082
16		15.1 — 15.25	-0.206	-0.124	-0.057	-0.021	14 50—18 20	-0.192	-0.040	-0.111
16		17.1 — 17.8	.....	-0.131	-0.074	-0.001				
16		18.6 .....	.....	-0.125	.....	.....		
17	L.	9.9 — 10.2	-0.162	-0.057	-0.047	-0.036	10 0	-0.163	+0.001	-0.070
17		15.1 — 15.2	.....	-0.084	-0.067	-0.085	15 9	-0.163	+0.001	-0.117

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1909		h h	s	°	s	°	h m h m	s	°	s
Aug. 19	L.	10.0 —10.2	—0.163	—0.048	—0.086	—0.062	9 50—13 30	—0.156	+0.018	—0.090
19		12.7 —12.8	.....	—0.083	—0.079	—0.053				
19		16.2 —16.5	—0.176	—0.121	—0.071	—0.052	15 20—19 15	—0.170	—0.024	—0.120
19		19.0 —19.1	.....	—0.107	—0.064	—0.039				
19		23.8 — 0.1	.....	—0.083	—0.055	—0.083	23 54	—0.167	—0.004	—0.113
19		3.2 — 3.6	—0.164	—0.069	—0.050	—0.047	3 33	—0.167	—0.004	—0.083
20	P.	10.2 —10.4	—0.209	—0.104	—0.071	—0.047	■ 55—11 55	—0.200	—0.035	—0.112
20		11.2 —12.0	.....	—0.133	—0.050	—0.005				
20	L.	6.2 — 6.3	—0.176	—0.040	—0.032	—0.065	6 0— 6 5	—0.185	+0.006	—0.068
21		9.8 —10.2	.....	—0.056	—0.078	—0.065	11 0—12 0	—0.168	+0.028	—0.092
21		13.0 —13.1	.....	—0.062	—0.102	—0.076	13 25—15 25	—0.162	+0.035	—0.109
21		15.2 —15.6	—0.169	—0.078	—0.118	—0.088	15 45—19 15	—0.165	+0.028	—0.112
21		19.1 —19.3	.....	—0.070	—0.081	—0.082				
21		1.0 — 1.2	.....	—0.061	—0.063	—0.067	0 10— 1 30	—0.170	+0.012	—0.089
22	P.	13.8 —15.05	—0.163	—0.024	—0.018	—0.099	13 51	—0.182	+0.007	—0.072
22		16.75—16.8	.....	—0.075	—0.038	—0.105	16 48	—0.182	+0.007	—0.117
22		0.0 — 1.7	—0.189	—0.072	—0.066	—0.135	0 10— 1 30	—0.189	+0.018	—0.097
22		3.0 — 3.1	.....	—0.056	—0.088	—0.012				
23	L.	10.2 —10.5	—0.156	—0.035	—0.064	—0.027	10 18	—0.150	+0.020	—0.058
23		11.8 —12.0	.....	—0.063	—0.032	—0.027	11 54	—0.150	—0.016	—0.058
23		15.2 —15.6	.....	—0.078	—0.057	—0.088	15 20—19 25	—0.162	—0.004	—0.114
23		19.1 —19.4	—0.151	—0.081	—0.024	—0.104				
23		3.2 — 3.9	—0.139	—0.050	—0.025	—0.052	3 20— 5 0	—0.144	—0.002	—0.056
23		5.8 — 6.1	.....	—0.030	—0.025	—0.031				
24	P.	10.4 —10.6	—0.180	—0.082	—0.073	—0.055	10 10—12 10	—0.171	0.000	—0.096
24		11.6 —12.3	.....	—0.086	—0.079	—0.031				
24		15.6 —17.8	—0.187	—0.126	—0.043	—0.100	15 20—18 35	—0.197	—0.020	—0.164
24		18.7 —18.8	.....	—0.130	—0.085	—0.119	18 45	—0.197	—0.008	—0.172
24		19.8 —19.9	.....	—0.122	—0.031	—0.054	19 51	—0.197	—0.047	—0.126
24		3.3 — 4.1	—0.176	—0.095	—0.066	—0.087	3 20— 6 5	—0.172	—0.018	—0.120
24		5.9 — 6.2	.....	—0.121	—0.073	—0.024				
25	L.	10.4 —10.6	.....	—0.124	—0.094	—0.017	10 10—11 30	—0.186	—0.038	—0.116
25		11.2 —11.6	—0.202	—0.139	—0.055	—0.007				
25		15.2 —15.5	.....	—0.104	—0.095	—0.079	15 21	—0.187	+0.005	—0.148
25		18.6 —18.7	—0.188	—0.144	—0.073	—0.079	18 42	—0.187	—0.033	—0.148
25		3.2 — 3.7	—0.171	—0.101	—0.063	—0.076	3 20— 3 50	—0.174	—0.008	—0.120
26	P.	17.8 —17.9	.....	—0.165	—0.022	—0.096	17 48	—0.212	—0.072	—0.175
26		19.0 —19.2	—0.207	—0.159	—0.032	—0.025	19 6	—0.212	—0.072	—0.140
26		0.0 — 1.0	—0.201	—0.128	—0.054	—0.073	0 10— 1 30	—0.206	—0.028	—0.133
26		1.75— 1.85	.....	—0.105	—0.053	—0.067				
27	L.	10.0 —10.5	—0.188	—0.107	—0.084	—0.044	10 20—11 40	—0.174	—0.012	—0.114
27		11.5 —11.8	.....	—0.112	—0.089	—0.030				
27		15.4 —17.2	—0.183	—0.120	—0.112	—0.106	15 20—20 0	—0.188	—0.005	—0.150
27		19.4 —19.8	.....	—0.110	—0.050	—0.095				
27		3.5 — 3.6	—0.195	—0.090	—0.095	—0.053	3 20— 3 50	—0.184	+0.008	—0.107
Micrometer removed for repairs.										
29	M.	10.3 —11.3	—0.166	—0.072	—0.144	—0.008	10 30—13 30	—0.154	+0.042	—0.082
30		12.0 .....	.....	—0.062	.....	.....		
30		13.1 —13.2	.....	—0.033	—0.092	—0.092				
30		16.9 —17.2	—0.159	—0.097	—0.089	—0.083	17 20—19 45	—0.158	+0.010	—0.116
30		19.4 —19.8	.....	—0.074	—0.078	—0.073	22 40— 1 30	—0.152	+0.010	—0.090
30		22.9 —23.8	—0.149	—0.047	—0.037	—0.079				
30		0.8 — 1.0	.....	—0.064	—0.079	—0.061				
31	P.	10.8 —11.0	—0.155	—0.056	—0.101	—0.027	10 35—10 40	—0.136	+0.027	—0.068
31		17.05—18.7	—0.146	—0.084	—0.066	—0.066	17 20—19 45	—0.144	+0.002	—0.108
31		19.8 —19.9	.....	—0.087	—0.083	—0.064				
31		0.0 — 0.25	—0.143	—0.069	—0.041	—0.073	23 40—23 45	—0.152	—0.005	—0.097

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1909		h h	s	s	s	s	h m h m	s	s	s
Sept. 1	L.	10.5 —11.2	-0.135	-0.066	-0.074	-0.031	10 35—10 45	-0.123	+0.007	-0.075
1		13.6 —13.7	.....	-0.060	-0.060	-0.049	13 25—13 30	-0.132	+0.007	-0.078
1		16.8 —17.7	-0.141	-0.072	-0.068	-0.039	16 55—19 35	-0.132	+0.002	-0.071
1		19.4 —19.8	.....	-0.055	-0.051	-0.020	19 40—19 45	-0.124	+0.002	-0.047
1		0.0 — 1.6	-0.113	-0.021	-0.019	-0.037	0 6	-0.124	+0.013	-0.036
1		4.7 — 5.5	-0.064	+0.058	+0.017	+0.032	4 51	-0.124	+0.013	+0.063
1		6.5 — 6.7	.....	+0.047	-0.019	+0.003	4 55— 6 40	-0.059	+0.029	+0.050
1	M.	10.5 —11.0	-0.085	+0.001	-0.055	0.000	10 40—10 50	-0.070	+0.032	-0.005
2		12.6 —13.1	.....	+0.010	-0.037	-0.022	12 5—13 30	-0.081	+0.032	-0.008
2		17.0 —17.5	-0.094	-0.012	-0.037	-0.071	17 20—19 35	-0.103	+0.021	-0.045
2		19.6 —19.7	.....	-0.011	-0.011	-0.058				
2		0.0 — 1.1	-0.091	-0.007	-0.023	-0.071	0 20— 1 40	-0.103	+0.031	-0.054
2		1.7 — 1.9	.....	-0.018	-0.055	-0.078				
4	L.	10.9 —11.3	-0.103	-0.016	-0.078	-0.049	10 50—10 55	-0.095	+0.045	-0.046
5	M.	4.7 — 5.5	-0.102	+0.001	-0.109	-0.062	4 25— 5 25	-0.089	+0.076	-0.043
6	P.	5.2 .....	.....	+0.001	-0.010	-0.052	5 20— 6 20	-0.087	+0.019	-0.026
6		6.9 — 7.1	-0.075	+0.007	-0.005	-0.055				
7		11.2 —11.5	-0.146	-0.062	-0.103	+0.030	11 0—13 15	-0.121	+0.004	-0.058
7		12.8 —13.35	.....	-0.074	-0.088	+0.006				
7		16.6 —18.7	-0.154	-0.082	-0.058	-0.071	16 55—19 45	-0.154	-0.003	-0.108
7		20.0 —20.1	.....	-0.091	-0.071	-0.060				
8	L.	11.2 —11.5	-0.117	-0.030	-0.096	-0.003	11 5—12 40	-0.101	+0.024	-0.043
8		12.3 —12.5	.....	-0.040	-0.068	-0.014				
8		16.4 —16.6	-0.134	-0.078	-0.043	-0.069	16 55—20 0	-0.132	+0.001	-0.085
8		19.9 —20.1	.....	-0.058	-0.070	-0.035	20 10—22 10	-0.122	+0.014	-0.069
8		21.9 —22.2	.....	-0.056	-0.079	-0.032				
10	L.	4.6 — 5.3	-0.105	-0.049	-0.036	-0.057	4 55— 6 5	-0.112	+0.006	-0.068
10		6.4 — 6.7	.....	-0.034	-0.029	-0.065				
11		11.1 —11.5	-0.135	-0.076	-0.042	-0.075	11 15—11 20	-0.144	-0.007	-0.103
11		16.4 —16.7	-0.147	-0.124	-0.056	-0.053	16 30	-0.141	-0.034	-0.123
11		19.9 —20.1	.....	-0.103	-0.091	-0.050	20 0	-0.141	-0.003	-0.123
12	M.	4.7 — 5.3	-0.117	-0.051	-0.064	-0.056	4 55— 5 55	-0.115	+0.016	-0.075
13	L.	11.5 —11.8	-0.120	-0.058	-0.044	-0.019	11 20—11 30	-0.113	-0.007	-0.060
13		13.1 —13.3	.....	-0.072	-0.040	-0.075	11 36	-0.121	-0.007	-0.060
13		17.1 —17.7	-0.131	-0.107	-0.081	-0.047	13 12	-0.121	-0.007	-0.099
13		20.1 —20.3	.....	-0.082	-0.108	-0.045	17 20—20 0	-0.120	+0.001	-0.107
13		22.4 —22.8	.....	-0.075	-0.063	-0.036	20 10—23 0	-0.120	+0.001	-0.092
14	P.	11.8 —12.0	-0.119	-0.053	-0.028	-0.074	11 25—13 45	-0.132	-0.003	-0.094
14		13.3 —13.4	.....	-0.074	-0.043	-0.080				
14		16.7 —16.8	-0.144	-0.109	-0.049	-0.069	16 55—19 35	-0.147	-0.022	-0.129
14		19.75—19.8	.....	-0.113	-0.051	-0.077	19 55—22 5	-0.136	-0.022	-0.129
14		21.9 —22.2	.....	-0.117	-0.087	-0.054	22 5— 1 50	-0.127	-0.022	-0.112
14		1.5 — 1.9	-0.130	-0.093	-0.046	-0.037				
14	M.	4.7 — 5.2	.....	-0.050	-0.071	-0.066	4 55— 6 40	-0.106	+0.030	-0.080
14		6.1 — 6.8	-0.107	-0.041	-0.079	-0.075				
15		11.7 —12.0	-0.130	-0.075	-0.068	-0.034				
15		16.7 —17.7	-0.152	-0.114	-0.077	-0.046	17 20—18 55	-0.144	-0.018	-0.116
15		18.4 —18.6	.....	-0.106	-0.069	-0.043				
17	M.	11.9 —12.2	-0.138	-0.088	-0.086	-0.074				
17		13.4 —13.6	.....	-0.091	-0.021	-0.081				
17		16.7 —17.8	-0.147	-0.121	-0.097	-0.058	16 55—18 55	-0.140	-0.017	-0.125
17		18.4 —18.6	.....	-0.109	-0.055	-0.049				
17		0.0 — 0.6	-0.135	-0.073	-0.073	-0.042	0 15— 1 50	-0.127	+0.017	-0.092
17		1.5 — 1.7	.....	-0.065	-0.097	-0.071				

TABLE XXI.—*The Constants c , b , a , n , and m —Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1909		h h	s	s	s	s	h m h m	s	s	s
Sept. 17	P.	4.7 — 6.15	—0.121	—0.042	—0.107	—0.072	4 42	—0.123	+0.050	—0.078
17		6.5 — 6.75	.....	—0.033	—0.032	—0.086	6 36	—0.123	+0.017	—0.078
17		11.6 .....	.....	—0.050	.....	.....		
18		11.9 — 12.0	—0.152	.....	—0.052	—0.061	11 40—11 45	—0.154	+0.011	—0.076
18		13.55—14.1	.....	—0.066	—0.091	—0.074	13 15—14 40	—0.150	+0.010	—0.086
18		16.65—18.15	—0.138	—0.055	—0.005	—0.084	16 55—18 5	—0.150	—0.003	—0.080
18		19.0 — 19.1	.....	—0.066	—0.063	—0.036	18 9	—0.152	—0.003	—0.080
							19 0	—0.129	—0.003	—0.080
18		23.8 — 23.9	.....	—0.075	—0.097	—0.076	23 48	—0.122	+0.027	—0.108
18		1.7 — 2.05	—0.125	—0.035	—0.065	—0.053	1 51	—0.122	+0.027	—0.062
18		5.3 — 5.4	.....	—0.037	—0.070	—0.052	4 55—6 5	—0.122	+0.027	—0.063
19	M.	4.8 — 6.2	—0.089	—0.016	—0.086	—0.094	4 55—6 40	—0.093	+0.051	—0.068
19		6.5 — 6.7	.....	—0.020	—0.062	—0.085				
20		12.0 — 12.3	—0.083	—0.003	—0.041	—0.070	11 45—11 55	—0.090	+0.038	—0.043
21	P.	12.0 — 12.2	—0.143	—0.091	—0.106	—0.008				
21		16.4 — 16.7	.....	—0.057	—0.066	—0.063	16 55—18 55	—0.116	+0.014	—0.090
21		19.1 — 19.3	—0.112	—0.063	—0.063	—0.071				
22	M.	16.7 — 17.7	.....	—0.094	—0.091	—0.062	17 5—18 55	—0.142	—0.003	—0.119
22		18.6 — 19.0	—0.151	—0.113	—0.084	—0.050				
23	P.	12.2 — 12.4	—0.143	—0.101	—0.074	—0.025	13 25—13 30	—0.130	—0.020	—0.104
23		14.25 .....	.....	—0.113	.....	.....		
23		16.75—16.8	.....	—0.135	—0.046	—0.052	16 55—19 15	—0.148	—0.037	—0.139
23		19.4 — 19.7	—0.150	—0.133	—0.074	—0.057				
24	M.	19.3 — 19.8	—0.127	—0.073	—0.044	—0.120	19 5—20 20	—0.148	+0.005	—0.124
24	P.	4.65—4.7	.....	—0.028	—0.074	—0.072	4 42	—0.118	+0.041	—0.067
24		6.15—7.2	—0.113	—0.020	—0.005	—0.048	7 6	—0.118	+0.002	—0.041
25		12.3 — 12.5	—0.125	—0.040	—0.035	—0.030	12 5—13 35	—0.123	+0.005	—0.054
25		14.4 .....	.....	—0.043	.....	.....		
25		16.7 — 16.8	.....	—0.066	—0.066	—0.036	17 5—18 55	—0.125	+0.013	—0.088
25		19.55—19.8	—0.132	—0.072	—0.090	—0.065	19 55—22 10	—0.125	+0.026	—0.102
25		22.3 — 22.4	.....	—0.066	—0.101	—0.078				
26	P.	21.95—22.1	.....	—0.062	—0.086	—0.052	21 5—23 5	—0.116	+0.033	—0.090
26		23.35—23.5	—0.123	—0.051	—0.102	—0.088	23 24	—0.116	+0.045	—0.097
26		2.1 — 2.2	.....	—0.008	—0.121	—0.094	2 6	—0.116	+0.083	—0.069
26	M.	4.7 — 5.2	.....	+0.045	—0.059	—0.110	4 55—6 25	—0.095	+0.082	—0.028
26		6.2 — 6.7	—0.085	+0.033	—0.065	—0.092				
27		12.4 — 12.6	—0.093	—0.012	—0.050	—0.052	12 10—12 20	—0.093	+0.033	—0.041
27	P.	4.9 — 6.2	—0.092	—0.001	—0.045	—0.039	5 5—7 0	—0.099	+0.035	—0.026
27		6.8 — 6.9	.....	+0.016	—0.014	—0.075				
28		12.5 — 12.8	—0.107	—0.053	—0.038	—0.044	12 15—12 45	—0.104	—0.007	—0.067
28		14.3 — 14.5	.....	—0.068	—0.045	—0.016				
28		17.1 — 17.2	—0.117	—0.064	—0.048	—0.029	17 20—19 45	—0.108	0.000	—0.076
28		20.0 — 20.1	.....	—0.062	—0.059	—0.055	20 3	—0.096	+0.007	—0.083
28		22.9 — 23.1	.....	—0.027	—0.074	—0.052	23 0	—0.096	+0.037	—0.056
28		1.9 — 2.1	—0.082	+0.006	—0.069	—0.101	23 0	—0.090	+0.037	—0.056
							2 0	—0.090	+0.065	—0.056
29	L.	12.5 — 12.8	—0.113	—0.038	—0.094	—0.046	12 20—13 40	—0.100	+0.022	—0.087
29		13.4 — 13.5	.....	—0.070	—0.101	—0.048				
29		17.3 — 18.2	—0.087	—0.059	—0.081	—0.112	17 20—19 15	—0.090	+0.046	—0.114
29		19.4 — 19.5	.....	—0.054	—0.124	—0.116	22 55—1 50	—0.139	+0.054	—0.100
Collimation adjusted.										
29		22.8 — 23.2	—0.137	—0.039	—0.102	—0.084				
29		1.5 — 1.9	.....	—0.047	—0.100	—0.134				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _g		c	n	m
1909		h h	s	s	s	"	h m h m	s	s	s
Sept. 29	P.	5.2 — 6.2	-0.133	-0.045	-0.053	-0.093	5 20— 6 40	-0.140	+0.031	-0.082
29		7.1 — 7.3	.....	-0.031	-0.072	-0.085				
30		12.6 —12.8	-0.152	-0.061	-0.079	-0.098	12 20—14 55	-0.155	+0.022	-0.110
30		15.0 —15.1	.....	-0.090	-0.106	-0.067				
30		17.0 —17.15	-0.175	-0.092	-0.130	-0.061	17 20—19 15	-0.152	+0.014	-0.110
30		19.4 —19.5	.....	-0.105	-0.112	-0.015				
30		23.8 —23.9	.....	-0.077	-0.084	-0.118	23 51	-0.152	+0.025	-0.121
30		2.3 — 2.5	-0.143	-0.043	-0.112	-0.128	2 24	-0.152	+0.063	-0.121
30	M.	4.9 — 5.3	-0.140	-0.041	-0.094	-0.107	5 20— 7 0	-0.140	+0.052	-0.090
30		6.8 — 6.9	.....	-0.035	-0.102	-0.087				
Oct. 1		12.7 —13.1	-0.132	-0.028	-0.102	-0.112	12 25—12 30	-0.135	+0.064	-0.091
1		16.9 —17.2	-0.160	-0.073	-0.092	-0.067	17 20—19 15	-0.148	+0.022	-0.103
1		18.6 —18.8	.....	-0.085	-0.119	-0.048				
1		23.7 — 0.8	-0.142	-0.040	-0.122	-0.121	0 5— 3 5	-0.144	+0.070	-0.098
1		2.4 — 3.2	.....	-0.020	-0.101	-0.122				
1	L.	4.9 — 6.2	-0.125	+0.005	-0.074	-0.096	4 45— 7 15	-0.132	+0.066	-0.050
1		6.8 — 7.4	.....	+0.013	-0.067	-0.097				
2		12.7 —12.9	-0.130	+0.011	-0.073	-0.060	12 30—12 35	-0.127	+0.060	-0.030
2		17.4 —17.7	.....	-0.033	-0.071	-0.082	17 20—19 15	-0.128	+0.040	-0.072
2		19.4 —19.5	-0.129	-0.030	-0.088	-0.069				
2	P.	2.8 — 4.3	-0.136	+0.004	-0.085	-0.090	3 5— 5 35	-0.138	+0.072	-0.056
2		5.8 — 5.85	.....	+0.003	-0.088	-0.100				
4	M.	12.8 —13.0	-0.149	-0.043	-0.089	-0.074	17 20—19 15	-0.146	+0.048	-0.100
4		17.0 —17.8	-0.141	-0.033	-0.069	-0.117				
4		18.6 —18.8	.....	-0.054	-0.114	-0.100				
4	P.	3.8 — 4.35	-0.127	-0.023	-0.097	-0.090	3 48	-0.127	+0.056	-0.075
4		6.85— 6.9	.....	+0.002	-0.065	-0.071	6 54	-0.127	+0.056	-0.043
5		12.9 —13.1	-0.134	-0.027	-0.106	-0.079	12 40—15 20	-0.133	+0.047	-0.084
5		15.5 —15.6	.....	-0.041	-0.045	-0.109				
5		17.05—18.15	-0.121	-0.021	-0.064	-0.144	17 20—19 15	-0.133	+0.047	-0.103
5		19.5 —19.6	.....	-0.055	-0.110	-0.102				
5	L.	4.6 — 5.1	.....	-0.037	-0.101	-0.094	4 45— 7 15	-0.124	+0.050	-0.080
5		6.5 — 7.5	-0.123	-0.024	-0.075	-0.087				
6		12.9 —13.2	-0.136	-0.037	-0.111	-0.072				
6		17.1 —17.5	-0.131	-0.064	-0.110	-0.121	17 35—19 15	-0.132	+0.055	-0.124
6		19.3 —19.4	.....	-0.059	-0.130	-0.121				
6	M.	4.7 — 4.9	.....	-0.027	-0.091	-0.080	4 48	-0.127	+0.064	-0.073
6		6.8 — 7.3	-0.138	-0.053	-0.162	-0.089	7 15	-0.127	+0.064	-0.105
7		13.1 —13.6	-0.141	-0.052	-0.122	-0.083	12 45—12 55	-0.130	+0.053	-0.096
7		17.0 —17.2	-0.175	-0.094	-0.130	-0.115	17 20—19 15	-0.168	+0.036	-0.156
7		18.7 —18.8	.....	-0.114	-0.146	-0.113				
7	P.	4.7 — 4.9	.....	-0.053	-0.110	-0.108	4 30— 7 15	-0.141	+0.048	-0.093
7		6.7 — 7.4	-0.146	-0.041	-0.101	-0.067				
7		9.2 — 9.3	.....	-0.053	-0.118	-0.100	8 55— 9 0	-0.148	+0.055	-0.105
8		12.7 —13.2	-0.180	-0.082	-0.146	-0.113	12 50—13 0	-0.171	+0.055	-0.139
8		15.7 —17.15	-0.226	-0.130	-0.171	-0.087	15 30—15 35	-0.191	+0.044	-0.163
8		18.7 —18.8	.....	-0.168	-0.165	-0.123	15 45	-0.210	+0.022	-0.165
							18 42	-0.210	+0.022	-0.212
8	L.	4.7 — 4.9	.....	-0.069	-0.123	-0.138	4 30— 7 15	-0.152	+0.061	-0.128
8		6.2 — 7.4	-0.153	-0.057	-0.140	-0.111				
8		9.9 —10.0	.....	-0.069	-0.123	-0.097	9 50— 9 55	-0.159	+0.047	-0.117
9		12.8 —13.0	.....	-0.094	-0.128	-0.075	12 55—13 0	-0.162	+0.029	-0.126
9		15.7 —15.9	-0.186	-0.120	-0.153	-0.077	15 35—19 15	-0.167	+0.022	-0.158
9		18.6 —18.7	.....	-0.136	-0.154	-0.087				
11	P.	4.6 — 6.2	-0.146	-0.048	-0.131	-0.132	4 30— 7 15	-0.142	+0.081	-0.118
11		7.5 — 7.6	.....	-0.042	-0.158	-0.126				
12		13.3 —13.5	-0.142	-0.056	-0.128	-0.113	13 5—13 15	-0.138	+0.060	-0.115
12		16.7 —18.15	-0.100	-0.031	-0.098	-0.171	15 50—15 55	-0.128	+0.067	-0.119
12		19.5 —19.65	.....	-0.005	-0.078	-0.162	17 20—20 10	-0.120	+0.074	-0.110

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1909		h h	s	s	s	s	h m h 50	s	s	s
Oct. 12	L.	4.3 — 5.0	-0.118	+0.027	-0.015	-0.043	4 30— 7 50	-0.121	+0.026	+0.008
12		7.4 — 7.5	.....	+0.025	-0.003	+0.001				
13		13.1 —13.5	-0.103	+0.068	+0.064	+0.076	13 10—13 15	-0.100	-0.009	+0.099
13		17.4 —17.8	-0.093	+0.024	+0.103	+0.001	17 20—20 10	-0.106	-0.028	+0.044
13		20.3 —20.4	.....	+0.034	+0.064	+0.032				
15	P.	13.5 —13.7	-0.111	+0.011	-0.034	-0.067	13 15—13 25	-0.120	+0.040	-0.029
15		16.9 —18.15	-0.107	-0.005	-0.028	-0.082	16 5—16 10	-0.120	+0.033	-0.042
15		19.3 —19.35	.....	-0.020	-0.049	-0.085	17 20—19 0	-0.119	+0.032	-0.058
18	M.	13.7 —13.9	-0.106	+0.004	-0.058	-0.047	13 30—13 35	-0.122	+0.046	-0.026
18	P.	13.0 —13.2	-0.120	0.000	-0.016	-0.005	12 45—13 40	-0.116	+0.011	-0.003
19		16.7 —16.95	-0.128	-0.011	-0.038	-0.028	16 48	-0.124	+0.026	-0.026
19		19.5 —19.6	.....	-0.036	-0.073	-0.057	19 33	-0.124	+0.026	-0.064
19	M.	5.0 — 5.3	-0.091	+0.032	-0.012	-0.003	4 30— 8 15	-0.095	+0.022	+0.026
19		7.5 — 7.9	.....	+0.045	+0.026	-0.016				
19		13.0 —13.1	-0.085	+0.047	+0.024	+0.008	12 45—13 45	-0.088	+0.016	+0.044
20		17.0 —17.1	.....	+0.026	-0.006	-0.044	16 25—20 15	-0.093	+0.034	-0.010
20		19.3 —20.4	-0.083	+0.022	-0.022	-0.061				
21	P.	13.9 —14.1	-0.089	+0.019	-0.003	+0.005	13 40—13 45	-0.086	+0.013	+0.019
21		17.2 —18.15	-0.124	-0.018	-0.057	-0.063	17 35—18 35	-0.124	+0.042	-0.065
21		19.05—19.2	.....	-0.031	-0.086	-0.089				
21	M.	4.8 — 5.2	-0.116	-0.050	-0.130	-0.099	5 20— 7 0	-0.110	+0.056	-0.106
21		7.4 — 7.5	.....	-0.056	-0.108	-0.105				
21		13.0 —13.2	-0.104	-0.050	-0.090	-0.117	13 45—13 50	-0.110	+0.045	-0.108
22		17.1 —17.2	.....	-0.066	-0.086	-0.134	16 40—20 25	-0.130	+0.048	-0.130
22		20.3 —20.5	.....	-0.076	-0.149	-0.108	20 35—22 10	-0.130	+0.064	-0.134
22		22.3 —23.1	-0.139	-0.071	-0.149	-0.133	22 25— 1 15	-0.130	+0.062	-0.144
22		0.4 — 0.5	.....	-0.083	-0.138	-0.135				
23	L.	13.9 —14.2	-0.149	-0.023	-0.139	-0.088	13 45—13 55	-0.135	+0.082	-0.078
24	P.	22.4 .....	.....	+0.016	-0.049	-0.036	22 40—23 50	-0.143	+0.056	-0.022
24		0.2 — 1.1	-0.147	+0.018	-0.068	-0.077	1 45— 2 15	-0.143	+0.076	-0.017
24		2.1 — 2.3	.....	+0.042	-0.084	-0.050				
24	M.	4.9 — 5.2	-0.114	+0.062	+0.002	-0.018	5 3	-0.114	+0.042	+0.040
24		7.4 — 7.6	.....	+0.061	+0.030	+0.044	7 30	-0.114	+0.012	+0.075
24		13.1 —13.3	-0.116	+0.056	+0.023	+0.073	12 50—14 0	-0.102	+0.007	+0.084
25		17.0 —17.2	.....	+0.027	+0.038	+0.034	16 55—19 15	-0.108	-0.012	+0.026
25		19.4 —19.7	-0.108	+0.008	+0.019	+0.038	19 45—20 15	-0.108	-0.002	+0.028
25		22.6 —22.8	.....	+0.021	+0.003	+0.018	22 55— 1 50	-0.108	+0.019	+0.019
25		1.4 — 1.6	.....	+0.037	+0.002	-0.037				
25	P.	5.1 — 5.2	.....	+0.030	-0.004	-0.005	5 6	-0.108	+0.022	+0.030
25		6.2 — 7.9	-0.106	+0.024	+0.040	+0.026	6 12	-0.108	+0.009	+0.030
							7 48	-0.103	-0.013	+0.030
25		9.05— 9.1	.....	+0.022	+0.057	+0.055	7 45— 8 50	-0.103	-0.029	+0.045
25		13.2 —13.4	-0.063	+0.068	+0.056	+0.039	12 55—13 0	-0.070	0.000	+0.077
							14 0—14 5	-0.077	+0.002	+0.066
26		17.2 —17.5	-0.112	-0.001	+0.016	-0.041	17 0—17 5	-0.119	+0.002	-0.013
26		19.6 —19.7	.....	-0.018	-0.123	-0.091	17 15	-0.121	+0.001	-0.019
26		22.35—22.4	.....	-0.046	-0.067	-0.073	19 36	-0.121	+0.078	-0.072
26		1.45— 1.6	-0.124	-0.050	-0.058	-0.093	19 36	-0.121	+0.078	-0.076
							22 24	-0.121	+0.025	-0.076
							22 35— 1 15	-0.121	+0.024	-0.087
26	L.	4.3 — 5.1	-0.111	-0.024	-0.071	-0.070	4 30— 8 15	-0.106	+0.038	-0.058
26		7.9 — 8.4	.....	-0.029	-0.077	-0.048				
26		13.1 —13.9	-0.105	-0.012	-0.021	-0.034	12 55—14 10	-0.108	+0.017	-0.022
27		14.2 .....	.....	+0.005	.....	.....		
27		23.1 — 0.5	-0.112	-0.050	-0.111	-0.105	23 10— 1 50	-0.110	+0.054	-0.099
27		1.7 — 2.0	.....	-0.040	-0.103	-0.100				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1909		h h	s	°	s	°	h m h m	s	°	°
Oct. 27	M.	5.0 — 5.2	.....	-0.042	-0.119	-0.077	5 20—7 15	-0.114	+0.049	-0.077
27		7.4 — 7.9	-0.121	-0.031	-0.080	-0.074				
28		14.3 — 16.6	-0.109	+0.005	-0.085	-0.032	14 5—14 15	-0.094	+0.041	-0.029
28		17.1 — 18.4	.....	-0.011	+0.058	-0.042	16 55—20 50	-0.114	+0.041	-0.029
28		20.3 — 20.7	-0.117	-0.007	-0.061	-0.044				
28		1.3 — 1.9	-0.111	+0.024	-0.029	-0.049	1 36	-0.114	+0.031	-0.008
28		4.3 — 4.5	.....	+0.039	+0.013	-0.005	4 24	-0.114	+0.031	+0.030
28	P.	5.15—5.2	.....	+0.043	+0.033	-0.012	5 12	-0.095	+0.012	+0.032
28		7.7 — 8.4	-0.085	+0.065	+0.094	+0.059	7 48	-0.095	-0.025	+0.093
28		13.4 — 13.6	-0.097	+0.071	+0.094	+0.125	13 5—14 15	-0.088	-0.035	+0.131
29		17.1 .....	.....	+0.040	+0.065	+0.074	17 15—17 20	-0.094	-0.024	+0.066
29		19.65—19.95	-0.103	+0.024	+0.041	+0.062	17 20—18 55	-0.099	-0.024	+0.066
29		22.3 — 22.4	.....	+0.036	+0.036	+0.016	19 45—22 10	-0.099	-0.010	+0.049
29	L.	0.5 — 1.3	-0.094	+0.053	+0.071	+0.006	0 42	-0.100	-0.008	+0.053
29		3.6 — 3.8	.....	+0.058	+0.055	+0.065	3 42	-0.100	-0.008	+0.085
29		6.2 — 6.8	-0.087	+0.061	+0.110	+0.112	3 42	-0.088	-0.008	+0.085
29		13.1 — 13.6	-0.104	+0.043	+0.073	+0.128	6 42	-0.088	-0.048	+0.119
30		17.7 — 18.1	-0.091	+0.034	+0.054	+0.052	14 15—14 20	-0.089	-0.042	+0.109
30		20.3 — 20.4	.....	+0.029	+0.047	+0.014	17 35—20 15	-0.095	-0.016	+0.048
30	P.	0.6 — 0.8	-0.111	-0.002	+0.017	+0.057	0 55—8 10	-0.098	-0.013	+0.030
30		3.6 — 3.8	.....	+0.006	+0.029	+0.019				
30		6.5 — 6.6	.....	+0.025	+0.043	+0.021				
30		8.4 — 8.6	-0.086	+0.029	+0.046	+0.017				
31	M.	5.1 — 5.9	.....	-0.067	-0.107	-0.112	5 20—9 25	-0.128	+0.036	-0.112
31		8.3 — 8.7	-0.130	-0.066	-0.099	-0.079				
31		13.8 — 14.1	-0.113	-0.043	-0.043	-0.083	14 20—14 30	-0.123	+0.015	-0.080
Nov. 1		17.0 — 17.2	.....	-0.075	-0.066	-0.128	16 55—18 55	-0.157	+0.026	-0.132
1		18.1 — 18.6	-0.158	-0.089	-0.123	-0.099				
1	P.	5.15—5.2	.....	-0.091	-0.144	-0.141	6 40—8 10	-0.142	+0.050	-0.150
1		8.45—8.6	-0.148	-0.093	-0.142	-0.105				
1		13.7 — 13.95	-0.160	-0.117	-0.132	-0.074	13 25—14 35	-0.144	+0.017	-0.143
2		17.2 — 19.0	-0.173	-0.110	-0.139	-0.117	17 35—20 50	-0.163	+0.034	-0.155
2		20.5 — 20.6	.....	-0.111	-0.145	-0.094				
2	L.	13.7 — 14.3	-0.146	-0.040	-0.113	-0.042	13 30—14 35	-0.126	+0.049	-0.061
3		14.4 .....	.....	-0.034	.....	.....		
3	M.	5.1 — 5.9	.....	-0.005	-0.092	-0.102	5 20—9 30	-0.124	+0.079	-0.052
3		8.3 — 9.0	-0.131	+0.008	-0.120	-0.067				
3		13.8 — 14.1	-0.119	+0.011	-0.113	-0.072	13 35—14 40	-0.107	+0.086	-0.039
4		17.7 — 18.6	.....	-0.011	-0.102	-0.099	17 35—21 30	-0.122	+0.078	-0.076
4		20.6 — 21.1	-0.122	-0.011	-0.113	-0.122				
4	L.	5.0 — 6.4	-0.097	+0.043	-0.062	-0.109	5 6	-0.102	+0.082	-0.029
4		9.3 — 9.7	.....	+0.071	-0.045	-0.046	9 30	-0.102	+0.082	+0.028
4		13.8 — 14.4	-0.093	+0.075	-0.046	-0.008	13 40—14 45	-0.082	+0.071	+0.048
5		14.4 .....	.....	+0.069	.....	.....		
5		17.4 — 17.7	.....	+0.055	-0.062	-0.064	17 20—22 10	-0.100	+0.087	-0.004
5		21.0 — 21.9	-0.102	+0.047	-0.077	-0.079				
Nov. 8. Bearing surfaces of the wyes reground and counterpoise weights adjusted.										
10	L.	15.2 — 15.5	-0.132	+0.098	-0.091	-0.055	14 55—15 5	-0.122	+0.125	+0.038
10		20.4 — 21.0	-0.112	+0.115	-0.099	-0.097	20 5—22 10	-0.113	+0.142	+0.032
10		21.9 — 22.0	.....	+0.116	-0.078	-0.090				
10	M.	4.9 — 5.3	-0.115	+0.122	-0.087	-0.064	5 20—8 15	-0.108	+0.138	+0.054
10		8.3 — 8.5	.....	+0.137	-0.057	-0.084	8 35—10 25	-0.108	+0.150	+0.066
10		9.8 — 10.5	-0.101	+0.163	-0.077	-0.084				
10		14.5 — 14.7	-0.099	+0.149	-0.079	-0.054	14 15—15 10	-0.105	+0.148	+0.080
11		20.6 — 21.1	-0.130	+0.084	-0.121	-0.105	20 10—22 5	-0.126	+0.146	-0.006
11		22.1 — 22.2	.....	+0.084	-0.127	-0.116				

TABLE XXI.—*The Constants c , b , a , n , and m —Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1909		h h	s	s	s	s	h m h m	s	s	s
Nov. 11	L.	5.0 — 6.1	-0.101	+0.109	-0.114	-0.143	5 20— 9 25	-0.114	+0.158	0.000
11		9.0 — 9.2	.....	+0.109	-0.097	-0.140				
11		14.5 —14.8	-0.138	+0.094	-0.126	-0.088	14 20—15 15	-0.128	+0.144	+0.008
12		14.9 .....	.....	+0.080	.....	.....		
12		20.3 —20.6	-0.168	+0.014	-0.123	-0.130	20 5—22 5	-0.170	+0.112	-0.072
12		21.9 —22.2	.....	+0.019	-0.137	-0.141				
12	M.	4.9 — 5.2	-0.153	+0.024	-0.167	-0.120	5 20— 6 20	-0.139	+0.129	-0.056
12		8.3 — 8.5	.....	+0.031	-0.139	-0.115	8 35—10 25	-0.139	+0.129	-0.042
12		10.4 —10.5	.....	+0.033	-0.163	-0.083				
12		14.6 —14.9	-0.148	+0.038	-0.176	-0.110	14 25—15 15	-0.130	+0.146	-0.046
13		20.3 —20.6	-0.163	-0.012	-0.179	-0.128	20 5—22 5	-0.148	+0.126	-0.096
13		21.9 —22.2	.....	-0.009	-0.190	-0.134				
15	M.	5.0 — 6.2	-0.136	+0.061	-0.141	-0.140	5 20— 9 30	-0.134	+0.144	-0.032
15		9.0 —10.4	-0.129	+0.075	-0.116	-0.131				
15		15.2 —15.7	-0.118	+0.078	-0.142	-0.124	15 20—15 30	-0.113	+0.155	-0.019
19	P.	20.9 —21.2	.....	+0.105	+0.144	+0.113	21 0	-0.119	-0.040	+0.158
19		22.3 —22.4	-0.114	+0.130	+0.101	+0.096	22 21	-0.119	+0.005	+0.158
19	L.	4.8 — 5.1	-0.097	+0.149	+0.107	+0.052	5 25—10 25	-0.110	+0.023	+0.160
19		9.8 —10.5	.....	+0.155	+0.104	+0.068				
19		15.0 —15.4	-0.079	+0.158	+0.117	+0.071	15 40—15 45	-0.091	+0.019	+0.173
20		20.7 —21.1	-0.134	+0.047	-0.026	-0.001	20 54	-0.128	+0.052	+0.032
20		22.5 —22.8	.....	+0.015	-0.071	-0.044	22 36	-0.128	+0.052	-0.019
21	P.	22.0 —22.2	-0.144	-0.031	-0.113	-0.114	22 25—23 25	-0.142	+0.076	-0.108
21		23.8 .....	.....	-0.045	-0.146	-0.131				
21	M.	15.1 —15.6	-0.120	-0.017	-0.095	-0.145	15 45—15 55	-0.133	+0.074	-0.098
22		20.9 —21.2	-0.149	-0.048	-0.091	-0.101	20 45— 0 15	-0.152	+0.056	-0.104
22		23.5 —23.7	.....	-0.037	-0.117	-0.127				
22	P.	5.1 — 5.2	.....	-0.027	-0.140	-0.127	5 20— 5 55	-0.148	+0.086	-0.102
22		6.5 — 6.7	-0.146	-0.021	-0.116	-0.138				
25	M.	2.0 — 2.3	-0.090	+0.078	+0.117	+0.084	1 45— 3 0	-0.099	-0.035	+0.117
25	P.	5.1 — 5.3	.....	+0.056	+0.089	+0.088	5 20— 7 15	-0.103	-0.032	+0.098
25		7.5 — 7.7	-0.104	+0.053	+0.082	+0.089	8 40—10 40	-0.103	-0.025	+0.103
25		10.9 —11.0	.....	+0.072	+0.078	+0.087				
25		15.6 —15.9	-0.089	+0.057	+0.083	+0.088	15 50—16 10	-0.088	-0.031	+0.099
26		20.5 —21.85	-0.095	+0.021	+0.023	+0.017	20 45—23 5	-0.102	-0.001	+0.022
26		23.2 —23.3	.....	+0.024	+0.029	-0.012				
26	L.	3.3 — 3.85	-0.088	+0.015	+0.033	-0.007	3 35— 6 20	-0.102	-0.008	+0.020
26		5.9 — 6.1	.....	+0.031	+0.055	-0.003				
26		8.5 — 9.2	-0.092	+0.022	+0.039	+0.072	8 5—11 45	-0.084	-0.022	+0.070
26		11.4 —11.5	.....	+0.050	+0.061	+0.066				
26		15.7 —16.3	-0.053	+0.091	+0.078	+0.076	15 55—16 15	-0.054	-0.003	+0.118
27		19.8 —20.9	-0.092	+0.005	+0.070	+0.006	19 35—19 40	-0.084	-0.009	+0.052
27							19 54	-0.099	-0.038	+0.026
27		22.0 —22.5	-0.093	+0.029	+0.010	+0.024	22 3	-0.099	+0.008	+0.026
27	P.	4.3 — 5.7	-0.096	+0.022	+0.023	-0.004	4 30— 6 20	-0.096	+0.005	+0.024
27		6.6 — 6.7	.....	+0.024	+0.002	+0.024				
28	M.	5.0 — 5.2	.....	-0.005	-0.029	-0.039	4 55— 6 25	-0.111	+0.020	-0.025
28		6.5 — 6.8	-0.109	-0.005	-0.026	-0.029				
28		15.9 —16.1	-0.114	-0.021	-0.094	-0.088	16 15—16 25	-0.112	+0.059	-0.072
29		20.9 —21.2	-0.094	+0.002	-0.054	-0.101	20 45—23 25	-0.101	+0.060	-0.049
29		23.5 —23.7	.....	+0.011	-0.073	-0.078				

TABLE XXI.—*The Constants c, b, a, n, and m*—Continued.

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1909		h h	s	s	s	s	h m h m	s	■	s
Nov. 29	P.	5.1 — 5.2	.....	+0.036	-0.009	-0.031	5 9	-0.096	+0.044	+0.010
29		7.5 — 7.9	-0.094	+0.081	-0.003	-0.007	7 42	-0.096	+0.044	+0.059
29		10.85—11.0	.....	+0.095	+0.055	+0.057	7 42	-0.096	+0.035	+0.059
30		16.8 —17.0	-0.101	+0.082	+0.093	+0.139	10 54	-0.096	+0.035	+0.110
30		21.15—22.5	-0.083	+0.088	+0.049	+0.027	16 20—16 30	-0.089	-0.031	+0.146
30		23.8 —23.9	.....	+0.088	+0.045	+0.035	21 20—23 40	-0.088	+0.022	+0.090
30	L.	4.9 — 5.2	-0.079	+0.088	+0.085	+0.052	5 20— 6 20	-0.085	-0.001	+0.110
30		7.6 — 7.8	.....	+0.099	+0.087	+0.057	7 42	-0.085	+0.001	+0.124
30		10.0 —10.5	-0.078	+0.087	+0.114	+0.104	10 15	-0.085	-0.032	+0.124
30		16.2 —16.6	-0.067	+0.137	+0.139	+0.092	16 25—16 30	-0.080	-0.012	+0.169
Dec. 1		21.5 —22.2	-0.069	+0.090	+0.070	+0.049	21 35—23 30	-0.073	+0.008	+0.106
1		23.6 —23.7	.....	+0.093	+0.065	+0.053				
1	M.	5.5 — 6.5	-0.092	+0.054	+0.032	+0.058	5 45	-0.080	0.000	+0.075
1		8.4 — 8.6	.....	+0.072	+0.055	+0.072	8 30	-0.080	0.000	+0.099
1		10.5 —10.8	-0.072	+0.123	+0.067	+0.064	8 30	-0.080	+0.012	+0.099
2		16.7 —16.9	-0.078	+0.105	+0.120	+0.121	10 36	-0.080	+0.012	+0.136
2		22.1 —22.9	-0.079	+0.071	+0.059	+0.037	16 30 16 35	-0.078	-0.027	+0.157
2	P.	9.9 —10.4	.....	+0.066	+0.042	+0.066	22 25—23 20	-0.085	+0.004	+0.081
2		11.5 —11.7	-0.082	+0.064	+0.048	+0.091	10 0—11 10	-0.073	-0.002	+0.096
3		16.8 —17.0	-0.077	+0.096	+0.032	+0.095				
3		21.95—22.2	-0.082	+0.066	+0.015	+0.073	16 35—16 40	-0.060	+0.021	+0.128
3		0.0 — 0.15	-0.080	+0.065	+0.044	+0.066	22 20—23 40	-0.070	+0.010	+0.091
3	L.	5.0 — 6.1	-0.068	+0.079	+0.041	+0.070	5 20— 6 20	-0.060	+0.002	+0.105
3		8.5 — 9.2	-0.062	+0.080	+0.071	+0.079	8 40—11 40	-0.060	-0.006	+0.105
3		11.7 —11.9	.....	+0.074	+0.063	+0.072				
3		16.3 —16.9	-0.075	+0.082	+0.053	+0.118	16 40—16 45	-0.058	-0.005	+0.131
4		22.1 —22.5	-0.082	+0.037	-0.037	+0.008	22 20—23 40	-0.065	+0.040	+0.034
4		23.8 — 0.1	-0.070	+0.046	-0.027	+0.014				
4	P.	9.6 — 9.8	-0.079	+0.049	-0.027	-0.008	10 0—11 30	-0.070	+0.048	+0.034
4		11.9 —12.0	-0.069	+0.057	-0.020	-0.008				
5	M.	5.1 — 5.2	.....	+0.042	-0.040	-0.021	5 20— 6 20	-0.081	+0.054	+0.020
5		6.0 — 6.2	-0.085	+0.043	-0.042	-0.016				
5		9.5 — 9.8	-0.083	+0.047	-0.061	-0.020	5 20—12 25	-0.081	+0.055	+0.018
5		11.5 —11.8	-0.102	+0.029	-0.040	-0.008				
6	L.	5.0 — 5.3	-0.088	+0.069	+0.004	+0.050	5 20— 6 20	-0.076	+0.030	+0.094
6		9.7 —10.3	-0.077	+0.100	+0.041	+0.047				
7	M.	14.0 —14.2	-0.079	+0.149	+0.076	+0.104	13 50—13 55	-0.072	+0.028	+0.178
8		20.5 —20.7	-0.084	+0.142	+0.057	+0.097				
8		23.7 — 0.4	-0.071	+0.170	+0.070	+0.086	22 20— 0 15	-0.070	+0.042	+0.176
8	L.	14.7 —14.9	-0.099	+0.194	+0.261	+0.358	14 35—14 40	-0.074	-0.103	+0.366
9		16.8 —17.3	-0.068	+0.192	+0.329	+0.391	17 0—17 5	-0.054	-0.149	+0.388
9		22.5 —22.9	-0.068	+0.197	+0.342	+0.348	22 20— 0 40	-0.062	-0.155	+0.369
9		0.8 — 0.9	.....	+0.174	+0.348	+0.371				
9		5.1 — 6.1	-0.044	+0.200	+0.392	+0.393	5 20— 6 20	-0.044	-0.179	+0.402
9	M.	16.5 —16.7	-0.050	+0.209	+0.414	+0.458	17 5—17 10	-0.038	-0.200	+0.446
10		5.5 — 6.2	-0.054	+0.196	+0.413	+0.408	5 20— 6 20	-0.055	-0.197	+0.409
10		10.4 —11.0	-0.041	+0.201	+0.431	+0.419	10 20—12 30	-0.045	-0.208	+0.412
10		12.6 —12.8	.....	+0.187	+0.426	+0.406				
10	L.	16.9 —17.3	-0.069	+0.181	+0.397	+0.468				
13	M.	17.0 —17.2	-0.037	+0.054	+0.176	+0.208				
14		20.9 —21.1	-0.059	+0.024	+0.195	+0.207				
14		23.7 —23.9	.....	+0.028	+0.206	+0.190	23 25—23 40	-0.060	-0.139	+0.145
14		4.7 — 5.2	-0.053	+0.053	+0.237	+0.227	5 0— 6 20	-0.053	-0.138	+0.182
14		6.0 — 6.2	.....	+0.057	+0.205	+0.217				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1909		h h	s	s	s	■	h m h m	s	■	s
Dec. 15	L.	17.3 —17.9	−0.068	+0.069	+0.214	+0.257	17 25—18 5	−0.056	−0.133	+0.211
15		4.8 — 5.3	−0.063	+0.068	+0.269	+0.327	5 0— 5 55	−0.048	−0.180	+0.252
16	M.	17.8 —17.9	−0.047	+0.122	+0.254	+0.264	17 30—17 40	−0.044	−0.123	+0.260
16		20.6 —20.7	.....	+0.126	+0.253	+0.269	20 55— 1 0	−0.044	−0.125	+0.262
16		23.7 —23.9	−0.038	+0.130	+0.280	+0.246				
16		4.9 — 5.2	−0.058	+0.136	+0.297	+0.322	5 3	−0.055	−0.156	+0.305
16		7.5 — 7.7	−0.059	+0.158	+0.335	+0.338	7 33	−0.055	−0.156	+0.335
16	L.	11.0 —11.4	−0.055	+0.136	+0.390	+0.371	11 10—13 0	−0.052	−0.205	+0.340
16		12.6 —13.2	−0.044	+0.143	+0.368	+0.364				
17		17.7 —18.0	−0.045	+0.179	+0.335	+0.363	17 35—18 15	−0.038	−0.155	+0.364
17		21.4 —21.6	−0.034	+0.174	+0.361	+0.329	20 55—22 5	−0.043	−0.164	+0.345
17		4.8 — 5.1	−0.055	+0.130	+0.312	+0.316	5 20— 7 40	−0.048	−0.148	+0.302
17		7.5 — 7.8	−0.032	+0.165	+0.317	+0.276				
17	M.	20.25—20.6	−0.048	+0.121	+0.261	+0.266				
17		12.6 —13.1	−0.042	+0.139	+0.299	+0.282	10 20—13 0	−0.046	−0.134	+0.274
18		17.9 —18.1	−0.036	+0.133	+0.264	+0.320	17 40—17 45	−0.021	−0.134	+0.298
18		23.1 —23.7	−0.037	+0.140	+0.308	+0.288	22 55— 1 50	−0.038	−0.153	+0.293
18		1.0 — 1.2	.....	+0.126	+0.303	+0.315				
20	M.	0.0 — 0.5	−0.036	+0.124	+0.477	+0.461	0 10— 1 50	−0.040	−0.290	+0.392
20		1.9 — 2.0	.....	+0.129	+0.482	+0.467				
20	P.	12.1 —13.25	−0.038	+0.151	+0.559	+0.539	11 25—13 0	−0.043	−0.335	+0.459
21		18.1 —18.4	−0.037	+0.163	+0.546	+0.534	17 55—18 45	−0.040	−0.320	+0.463
21		23.3 —23.9	−0.028	+0.138	+0.508	+0.497	23 25— 2 0	−0.036	−0.300	+0.408
21		2.1 — 2.25	−0.053	+0.112	+0.455	+0.502				
21		4.9 — 5.1	−0.041	+0.118	+0.479	+0.493	5 20— 6 20	−0.040	−0.300	+0.398
21		6.4 — 6.6	−0.046	+0.117	+0.478	+0.487				
22	L.	18.1 —18.4	−0.035	+0.147	+0.458	+0.513	18 45—18 50	−0.020	−0.278	+0.429
22		19.0 .....	.....	+0.140	.....	.....		
22		21.0 —21.5	−0.037	+0.120	+0.452	+0.488	21 10—21 15	−0.027	−0.284	+0.396
22		23.7 —23.9	.....	+0.105	+0.457	+0.481	23 25— 2 55	−0.029	−0.288	+0.384
22		2.0 — 3.2	−0.031	+0.123	+0.460	+0.464				
22		4.9 — 5.9	−0.028	+0.124	+0.472	+0.464	5 20— 5 55	−0.030	−0.289	+0.393
22		6.1 — 6.4	.....	+0.127	+0.477	+0.474				
22	M.	11.7 —12.0	−0.031	+0.123	+0.482	+0.487	11 25—13 0	−0.030	−0.299	+0.400
23		18.2 —18.5	−0.027	+0.129	+0.464	+0.479	18 0—19 0	−0.023	−0.283	+0.399
23	P.	12.0 —12.9	−0.030	+0.129	+0.453	+0.415	11 25—13 30	−0.040	−0.263	+0.366
24		18.3 —18.45	−0.031	+0.123	+0.459	+0.445	18 5—19 5	−0.035	−0.277	+0.377
24		23.2 —23.8	−0.018	+0.134	+0.460	+0.460	23 25— 2 0	−0.028	−0.278	+0.384
24		2.2 — 2.4	−0.045	+0.110	+0.439	+0.465	2 30— 4 35	−0.044	−0.278	+0.368
24		4.8 — 5.0	−0.047	+0.107	+0.448	+0.442				
26	M.	6.9 — 7.1	.....	+0.138	+0.416	+0.429	■ 40— 8 0	−0.028	−0.238	+0.376
26		7.5 — 8.1	−0.031	+0.142	+0.414	+0.425				
26		12.4 —12.7	−0.023	+0.131	+0.431	+0.423	11 25—13 30	−0.025	−0.251	+0.368
27	P.	8.0 — 8.2	−0.041	+0.146	+0.490	+0.487	7 40— 7 45	−0.042	−0.289	+0.419
28		18.6 —18.9	−0.037	+0.172	+0.451	+0.482	18 25—18 30	−0.028	−0.249	+0.434
28		23.5 —23.9	−0.040	+0.142	+0.405	+0.431	23 35— 2 0	−0.032	−0.233	+0.383
28		2.2 — 2.35	−0.032	+0.152	+0.424	+0.428				
28	L.	4.9 — 5.2	−0.031	+0.160	+0.434	+0.448	5 20— 8 15	−0.028	−0.241	+0.416
28		8.0 — 8.5	−0.034	+0.176	+0.447	+0.467				
29		18.6 —19.0	−0.050	+0.186	+0.427	+0.459	18 30—18 35	−0.041	−0.223	+0.430
29		0.8 — 1.6	−0.044	+0.166	+0.420	+0.489	0 55— 2 0	−0.026	−0.237	+0.428
30	M.	18.8 —19.0	−0.023	+0.219	+0.654	+0.625	18 35—18 40	−0.030	−0.365	+0.567
30		1.2 — 1.5	−0.006	+0.224	+0.642	+0.617	0 50— 2 0	−0.012	−0.353	+0.566

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.			
			c	b	a _n	a _s		c	n	m	
1909											
Dec. 31	P.	h h 18.9 —19.2	s -0.032	° +0.163	s +0.638	s +0.603	h m h m 18 35—18 45	° -0.042	s -0.386	s +0.508	
31		23.5 —23.85	-0.011	+0.164	+0.644	+0.600	23 40—2 0	-0.022	-0.386	+0.510	
31		2.1 —2.3	-0.015	+0.164	+0.632	+0.604					
31		4.9 —5.15	-0.024	+0.136	+0.596	+0.611	5 20—7 20	-0.017	-0.384	+0.502	
31		6.85—7.4	-0.002	+0.171	+0.646	+0.602					
31	M.	11.5 —11.9	-0.016	+0.147	+0.609	+0.600	10 55—11 45	-0.018	-0.379	+0.492	
1910											
Jan. 3	P.	4.9 —5.1	-0.058	+0.097	+0.411	+0.437	5 20—7 40	-0.044	-0.258	+0.356	
3		7.75—8.0	-0.037	+0.126	+0.428	+0.424					
3		10.55—10.8	-0.047	+0.104	+0.430	+0.432	10 39	-0.040	-0.269	+0.353	
3		13.8 —14.1	-0.016	+0.141	+0.537	+0.467	13 54	-0.040	-0.314	+0.413	
4		19.15—19.4	-0.048	+0.148	+0.525	+0.604	18 55—19 0	-0.026	-0.337	+0.480	
4		22.1 —22.3	-0.044	+0.113	+0.523	+0.546	21 45—21 50	-0.038	-0.340	+0.428	
4		2.2 —2.4	-0.038	+0.122	+0.547	+0.568	2 40—4 10	-0.031	-0.354	+0.449	
4		4.5 —4.65	-0.025	+0.132	+0.565	+0.548					
7	P.	19.3 —19.5	-0.021	+0.203	+0.511	+0.571	19 10—19 15	-0.005	-0.283	+0.510	
7		22.0 —22.3	-0.011	+0.219	+0.532	+0.512	20 31—21 55	-0.010	-0.278	+0.502	
7		2.0 —2.45	-0.015	+0.195	+0.506	+0.504	2 10—4 35	-0.015	-0.272	+0.480	
7		4.8 —5.0	-0.003	+0.223	+0.541	+0.501	5 20—7 40	-0.022	-0.285	+0.501	
7		7.5 —7.8	-0.022	+0.217	+0.567	+0.537					
7	L.	11.0 —11.2	-0.037	+0.195	+0.539	+0.588	11 6	-0.022	-0.308	+0.516	
7		13.1 —13.7	-0.033	+0.220	+0.593	+0.636	13 27	-0.022	-0.332	+0.566	
8		17.4 —19.0	-0.020	+0.231	+0.622	+0.581	19 15—19 20	-0.031	-0.329	+0.551	
8		20.8 .....	.....	+0.235	.....	.....	20 35—20 40	-0.031	-0.322	+0.534
8		23.8 —0.0	-0.025	+0.207	+0.576	+0.568	23 35—2 15	-0.025	-0.316	+0.528	
8		2.3 —2.4	.....	+0.213	+0.564	+0.595	2 40—4 0	-0.025	-0.316	+0.538
8		4.7 —5.0	-0.031	+0.216	+0.571	+0.599	5 20—7 40	-0.025	-0.316	+0.542	
8		7.1 —7.4	.....	+0.220	+0.587	+0.596				
9	M.	13.0 —13.6	-0.023	+0.184	+0.554	+0.554	13 25—14 5	-0.023	-0.315	+0.491	
9		18.7 —19.0	-0.019	+0.200	+0.560	+0.587	19 20—22 0	-0.013	-0.322	+0.510	
10		21.0 —21.1	.....	+0.179	+0.559	+0.579				
10		1.0 —1.2	-0.001	+0.209	+0.588	+0.568	1 25—4 10	-0.015	-0.325	+0.528	
10		4.0 —4.2	.....	+0.222	+0.616	+0.564	5 20—7 25	-0.026	-0.332	+0.526
10		6.7 —7.1	-0.020	+0.200	+0.602	+0.574					
10	P.	12.8 —13.3	-0.018	+0.222	+0.636	+0.642	12 10—14 5	-0.016	-0.356	+0.575	
10		19.1 —19.3	-0.021	+0.227	+0.653	+0.645	19 25—19 30	-0.023	-0.364	+0.583	
12	L.	19.7 —19.9	-0.005	+0.208	+0.605	+0.607	19 30—19 35	-0.004	-0.340	+0.544	
14	L.	11.3 —11.9	-0.022	+0.210	+0.525	+0.519	11 30	-0.020	-0.278	+0.490	
14		14.0 —14.2	-0.016	+0.232	+0.551	+0.547	14 6	-0.020	-0.278	+0.525	
14		19.4 —20.0	-0.042	+0.200	+0.540	+0.563	19 45—19 50	-0.036	-0.300	+0.507	
15		21.1 .....	.....	+0.218	.....	.....	20 55—22 5	-0.032	-0.285	+0.522
15		23.0 —23.2	-0.040	+0.216	+0.526	+0.572	23 30—23 35	-0.028	-0.285	+0.522	
15		1.1 —1.3	.....	+0.219	+0.534	+0.587	1 25—3 55	-0.024	-0.283	+0.528
15		4.9 —5.2	-0.024	+0.231	+0.538	+0.551	5 20—7 40	-0.014	-0.280	+0.522	
15		7.1 —8.0	-0.010	+0.223	+0.543	+0.555					
16	P.	0.2 —0.4	-0.024	+0.228	+0.570	+0.538	0 25—2 15	-0.030	-0.285	+0.508	
16		2.5 —2.9	-0.031	+0.214	+0.528	+0.529	2 30—4 35	-0.030	-0.285	+0.511	
16		4.8 —5.0	-0.023	+0.233	+0.575	+0.542	5 20—7 25	-0.030	-0.297	+0.532	
16		7.6 —7.8	-0.031	+0.223	+0.557	+0.590					
18	L.	12.6 —13.2	-0.058	+0.200	+0.486	+0.464	12 55—14 55	-0.055	-0.251	+0.462	
18		14.6 —15.1	-0.002	+0.255	+0.575	+0.439					
19		1.6 —2.4	-0.047	+0.218	+0.497	+0.513	1 25—3 45	-0.052	-0.252	+0.492	
19		4.8 —5.1	-0.059	+0.227	+0.505	+0.502	5 20—7 40	-0.062	-0.259	+0.501	
19		7.0 —7.4	-0.068	+0.225	+0.522	+0.535					
19	M.	13.6 —14.4	-0.065	+0.225	+0.535	+0.532	13 25—15 10	-0.065	-0.273	+0.508	
19		14.7 .....	.....	.....	+0.528	+0.532				
20		1.2 —2.4	-0.044	+0.221	+0.498	+0.484	1 21	-0.052	-0.246	+0.468	
20		3.8 —4.3	.....	+0.233	+0.477	+0.435	4 3	-0.052	-0.216	+0.468

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910										
Jan. 22	M.	^h 6.5 — ^h 6.7	^s -0.066	^s +0.175	^s +0.485	^s +0.500	^h 6 ^m 10 — ^h 7 ^m 20	^s -0.062	^s -0.271	^s +0.448
23	P.	4.9 — 5.1	-0.056	+0.197	+0.496	+0.487	5 20 — 7 25	-0.058	-0.265	+0.467
23		7.5 — 7.7	-0.059	+0.197	+0.504	+0.510				
24	P.	19.9 — 20.15	-0.070	+0.186	+0.477	+0.513	20 25 — 22 5	-0.059	-0.252	+0.468
25		22.2 — 22.3	.....	+0.210	+0.473	+0.496				
25		1.3 — 1.4	-0.063	+0.192	+0.494	+0.488	1 35 — 4 0	-0.064	-0.262	+0.459
25		4.1 — 4.15	.....	+0.189	+0.485	+0.503	5 20 — 6 20	-0.064	-0.256	+0.462
25		6.5 — 6.6	.....	+0.197	+0.474	+0.497	11 55 — 9 20	-0.064	-0.254	+0.466
25		9.3 — 9.6	-0.073	+0.200	+0.487	+0.501				
25	L.	12.9 — 13.2	-0.057	+0.214	+0.514	+0.557	13 0	-0.048	-0.278	+0.513
25		14.9 — 15.3	-0.056	+0.242	+0.549	+0.574	15 6	-0.048	-0.278	+0.546
26		6.8 — 7.5	-0.045	+0.239	+0.535	+0.516	6 35 — 7 40	-0.050	-0.262	+0.512
26	M.	10.4 — 11.0	-0.040	+0.223	+0.536	+0.492	10 0 — 15 10	-0.044	-0.257	+0.488
26		14.5 — 14.7	-0.034	+0.229	+0.506	+0.494				
27	P.	9.9 — 10.1	-0.056	+0.201	+0.485	+0.473	10 15 — 12 0	-0.058	-0.245	+0.464
27		12.9 — 13.2	-0.055	+0.219	+0.489	+0.478				
29	L.	6.5 — 7.1	-0.031	+0.258	+0.512	+0.496	6 35 — 7 40	-0.035	-0.232	+0.515
29	P.	12.1 — 12.3	-0.055	+0.215	+0.535	+0.512	12 25 — 15 50	-0.058	-0.278	+0.500
29		15.5 — 15.7	-0.059	+0.215	+0.530	+0.541				
30	M.	13.8 — 14.4	-0.027	+0.247	+0.524	+0.490	13 10 — 15 50	-0.034	-0.248	+0.500
30		15.2 — 15.4	.....	+0.235	+0.515	+0.496				
Feb. 31	M.	20.5 — 20.7	-0.037	+0.208	+0.518	+0.516	20 36	-0.037	-0.266	+0.486
1		21.6 — 22.0	.....	+0.241	+0.526	+0.534	21 45	-0.037	-0.266	+0.522
1		1.0 — 1.7	-0.040	+0.211	+0.536	+0.530	1 25 — 7 15	-0.042	-0.279	+0.488
1		4.0 — 4.2	.....	+0.203	+0.525	+0.509				
1		6.6 — 6.9	-0.036	+0.208	+0.528	+0.516				
1	P.	12.9 — 13.1	-0.043	+0.200	+0.512	+0.513	13 25 — 15 50	-0.047	-0.276	+0.484
1		16.05 — 16.2	-0.053	+0.205	+0.521	+0.530				
1		20.25 — 20.5	-0.055	+0.200	+0.524	+0.582	19 55 — 20 0	-0.040	-0.295	+0.514
2		21.8 — 22.15	-0.063	+0.200	+0.509	+0.535	21 0 — 21 5	-0.048	-0.286	+0.502
2							21 50 — 21 55	-0.056	-0.276	+0.489
2		1.4 — 1.6	-0.068	+0.205	+0.492	+0.524	1 45 — 7 15	-0.052	-0.262	+0.482
2		4.1 — 4.35	-0.042	+0.211	+0.504	+0.492				
2		6.8 — 7.0	-0.047	+0.213	+0.523	+0.509				
3	P.	15.0 — 15.2	-0.049	+0.183	+0.480	+0.493	15 20 — 17 10	-0.048	-0.260	+0.457
3		17.2 — 17.3	.....	+0.200	+0.499	+0.490				
4		21.3 — 21.5	-0.043	+0.173	+0.492	+0.493	21 5 — 21 50	-0.043	-0.274	+0.444
4		2.85 — 3.45	-0.053	+0.181	+0.488	+0.503	3 5 — 6 20	-0.055	-0.272	+0.451
4		6.1 — 6.45	-0.047	+0.190	+0.520	+0.467				
4	L.	20.0 — 20.2	-0.023	+0.223	+0.493	+0.475	19 50 — 21 50	-0.033	-0.232	+0.467
5		21.4 — 21.7	-0.030	+0.225	+0.478	+0.448				
5		2.6 — 3.2	-0.038	+0.204	+0.462	+0.459	3 0	-0.048	-0.231	+0.436
5		6.0 — 6.1	-0.059	+0.165	+0.468	+0.476	6 3	-0.048	-0.262	+0.436
7	P.	14.2 — 14.5	-0.021	+0.209	+0.705	+0.700	14 35 — 16 15	-0.022	-0.410	+0.596
7		16.3 — 16.4	.....	+0.206	+0.688	+0.684				
8		21.6 — 22.0	-0.019	+0.182	+0.666	+0.675	21 20 — 21 40	-0.017	-0.405	+0.564
14	P.	1.45 — 1.65	-0.039	+0.258	+0.533	+0.581	1 45 — 3 50	-0.027	-0.275	+0.548
14		3.5 — 3.9	.....	+0.226	+0.539	+0.581				
15	P.	2.5 — 2.7	-0.037	+0.247	+0.466	+0.460	2 45 — 3 45	-0.040	-0.218	+0.482
15		3.9 — 4.1	-0.030	+0.239	+0.499	+0.464				
16	P.	2.25 — 2.4	-0.141	+0.200	+0.318	+0.305	2 30 — 3 40	-0.137	-0.110	+0.352
16		3.5 — 4.0	-0.144	+0.197	+0.277	+0.328				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910										
Feb. 17	P.	^h 21.5 — ^h 21.8	^s -0.075	^m +0.235	^s +0.467	^s +0.417	^h 21 ^m 15 — ^h 22 ^m 10	^s -0.088	^s -0.204	^s +0.451
18		2.9 — 3.4	-0.067	+0.248	+0.495	+0.460	3 20— 6 20	-0.078	-0.232	+0.495
18		6.2 — 6.45	-0.072	+0.250	+0.520	+0.490				
18	L.	15.2 — 15.6	-0.069	+0.236	+0.528	+0.563	15 24	-0.055	-0.271	+0.534
18		18.0 — 18.6	-0.048	+0.286	+0.580	+0.575	18 24	-0.055	-0.271	+0.585
18		20.3 — 20.6	-0.057	+0.269	+0.576	+0.578	20 30	-0.056	-0.277	+0.573
19		22.0 — 22.4	-0.037	+0.268	+0.564	+0.586	22 24	-0.031	-0.277	+0.573
19		3.2 — 3.5	-0.026	+0.261	+0.542	+0.522	3 20— 7 15	-0.032	-0.256	+0.532
19		6.7 — 7.3	-0.042	+0.242	+0.520	+0.551				
22	P.	3.6 — 3.95	-0.057	+0.197	+0.489	+0.497	3 20— 6 20	-0.062	-0.252	+0.468
22		6.4 — 6.75	-0.071	+0.210	+0.484	+0.490				
22		8.3 — 8.45	-0.066	+0.209	+0.459	+0.488	8 40— 10 30	-0.062	-0.236	+0.476
22		10.6 — 10.75	-0.062	+0.235	+0.501	+0.481				
22	L.	16.6 — 16.8	-0.066	+0.216	+0.497	+0.482	16 55— 18 35	-0.066	-0.242	+0.486
22		18.5 — 18.6	.....	+0.237	+0.491	+0.505				
24	P.	11.6 — 11.7	-0.059	+0.235	+0.537	+0.528	11 25— 13 10	-0.056	-0.259	+0.520
24		13.2 — 13.4	-0.056	+0.245	+0.512	+0.535				
24		15.6 — 16.0	-0.072	+0.237	+0.491	+0.586	15 20— 15 25	-0.048	-0.252	+0.533
24		19.05— 19.25	-0.027	+0.252	+0.606	+0.559	15 39	-0.043	-0.254	+0.546
24		22.2 — 22.4	-0.056	+0.254	+0.572	+0.555	19 9	-0.043	-0.303	+0.546
25		4.0 — 4.4	-0.044	+0.248	+0.528	+0.521	20 50— 21 10	-0.050	-0.292	+0.550
25		6.4 — 6.55	-0.052	+0.265	+0.524	+0.544	22 30— 22 35	-0.060	-0.282	+0.548
25		10.05— 10.3	-0.061	+0.232	+0.525	+0.574	3 45— 6 20	-0.046	-0.250	+0.532
25		12.4 — 12.6	-0.041	+0.269	+0.539	+0.555	10 25— 12 20	-0.042	-0.264	+0.546
25	L.	15.5 — 16.2	-0.050	+0.264	+0.554	+0.581	15 45— 18 35	-0.042	-0.278	+0.566
25		18.1 — 18.6	-0.042	+0.261	+0.573	+0.574				
25		21.2 — 21.3	.....	+0.280	+0.567	+0.528	21 0— 21 5	-0.034	-0.256	+0.554
26		22.3 — 22.7	-0.021	+0.287	+0.554	+0.521	22 30— 22 40	-0.030	-0.244	+0.554
26		11.3 — 11.7	-0.031	+0.257	+0.515	+0.515	11 20— 13 35	-0.032	-0.240	+0.520
26		13.3 — 13.6	.....	+0.255	+0.513	+0.507				
Mar. 3	M.	4.4 — 4.6	-0.114	+0.142	+0.332	+0.329	4 55— 6 20	-0.114	-0.162	+0.322
3		6.1 — 6.4	.....	+0.155	+0.322	+0.331				
3	P.	15.7 — 16.2	-0.113	+0.157	+0.343	+0.331	15 45— 18 55	-0.112	-0.178	+0.330
3		18.8 — 19.1	-0.095	+0.147	+0.378	+0.335	18 57	-0.114	-0.198	+0.329
3		22.5 — 22.7	-0.117	+0.164	+0.396	+0.386	22 36	-0.114	-0.198	+0.371
4		4.5 — 4.7	-0.130	+0.151	+0.336	+0.367	22 55— 23 0	-0.120	-0.203	+0.371
4		6.4 — 6.6	-0.111	+0.183	+0.375	+0.364	4 55— 6 20	-0.118	-0.174	+0.358
4	L.	12.0 — 12.5	-0.096	+0.187	+0.370	+0.384	12 15— 13 40	-0.094	-0.176	+0.388
4		15.7 — 16.0	-0.101	+0.188	+0.375	+0.392	16 5— 18 55	-0.094	-0.178	+0.406
4		18.3 — 18.5	.....	+0.208	+0.391	+0.417				
5		22.7 — 23.1	-0.103	+0.219	+0.411	+0.401	23 0— 23 5	-0.106	-0.180	+0.423
5		4.4 — 4.7	-0.103	+0.214	+0.363	+0.354	4 55— 6 20	-0.102	-0.142	+0.380
5		6.6 — 6.9	-0.094	+0.205	+0.348	+0.330				
5	P.	12.4 — 12.6	-0.120	+0.165	+0.349	+0.354	12 50— 14 15	-0.112	-0.166	+0.354
5		15.8 — 16.0	-0.105	+0.178	+0.353	+0.346	16 55— 17 10	-0.112	-0.156	+0.362
5		17.4 — 17.5	.....	+0.190	+0.350	+0.346	18 45— 18 50	-0.112	-0.146	+0.374
5		18.6 — 18.8	-0.112	+0.219	+0.351	+0.350				
6	M.	19.3 — 20.0	-0.126	+0.199	+0.308	+0.299	19 45— 19 50	-0.130	-0.113	+0.344
6		22.6 — 22.8	-0.099	+0.216	+0.290	+0.336	21 45— 21 50	-0.111	-0.107	+0.365
7		4.4 — 4.6	-0.118	+0.210	+0.313	+0.304	23 5— 23 15	-0.087	-0.101	+0.374
7		5.9 — 6.1	.....	+0.225	+0.324	+0.324	4 55— 6 20	-0.119	-0.110	+0.366

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910		h h	s	s	s	s	h m h m	s	s	s
Mar. 7	P.	22.1 —22.35	-0.131	+0.188	+0.314	+0.412	21 50—23 15	-0.105	-0.148	+0.394
8		4.5 — 4.7	-0.120	+0.217	+0.330	+0.338	4 55— 6 20	-0.122	-0.122	+0.374
8		6.4 — 6.6	-0.122	+0.211	+0.332	+0.322				
8	L.	21.2 —21.5	-0.114	+0.217	+0.360	+0.338				
9		23.1 —23.5	-0.115	+0.227	+0.313	+0.370				
11	P.	23.6 —23.8	-0.112	+0.229	+0.423	+0.463				
13	M.	12.9 —13.7	-0.117	+0.235	+0.319	+0.328	12 45—14 20	-0.116	-0.110	+0.384
13		16.4 —16.8	-0.120	+0.218	+0.321	+0.344	17 35—18 20	-0.116	-0.116	+0.390
13		18.3 —18.6	.....	+0.237	+0.341	+0.341				
13		23.2 —23.3	-0.101	+0.252	+0.319	+0.357	23 30—23 40	-0.091	-0.098	+0.416
14		4.7 — 4.9	-0.100	+0.235	+0.359	+0.341	5 20— 6 20	-0.106	-0.138	+0.398
14		5.9 — 6.5	.....	+0.223	+0.381	+0.352				
14	L.	16.6 —17.1	-0.085	+0.225	+0.381	+0.375	16 42	-0.086	-0.159	+0.410
14		18.4 —18.6	.....	+0.238	+0.403	+0.402	18 30	-0.086	-0.159	+0.437
15		23.3 —23.7	-0.072	+0.242	+0.419	+0.438	23 35—23 40	-0.067	-0.178	+0.461
15		3.7 — 3.9	-0.066	+0.258	+0.398	+0.401	3 25— 6 20	-0.072	-0.159	+0.443
15		6.2 — 6.4	-0.079	+0.231	+0.405	+0.403				
15	M.	16.5 —17.1	-0.074	+0.246	+0.431	+0.419	16 55—18 55	-0.079	-0.186	+0.457
15		18.3 —18.6	.....	+0.242	+0.453	+0.424				
15		22.9 —23.1	-0.074	+0.235	+0.398	+0.446	22 40—23 45	-0.061	-0.172	+0.458
16		4.3 — 5.2	-0.068	+0.232	+0.427	+0.411	4 30— 6 20	-0.076	-0.178	+0.441
16		5.9 — 6.0	.....	+0.247	+0.434	+0.389				
17	L.	5.0 — 5.2	.....	+0.250	+0.360	+0.354	4 55— 7 0	-0.088	-0.114	+0.409
17		5.9 — 6.9	-0.081	+0.258	+0.358	+0.315				
17	P.	16.65—17.0	-0.072	+0.248	+0.382	+0.382	16 55—17 55	-0.082	-0.147	+0.430
17		18.3 —18.6	-0.091	+0.237	+0.391	+0.383				
17		21.4 —21.6	-0.095	+0.247	+0.432	+0.405	21 15—21 20	-0.102	-0.174	+0.450
17		23.3 —23.6	-0.082	+0.274	+0.398	+0.401	23 45—23 55	-0.081	-0.138	+0.465
18		4.75— 4.9	-0.089	+0.234	+0.339	+0.333	4 48	-0.090	-0.085	+0.430
18		7.15— 7.35	-0.094	+0.246	+0.303	+0.320	7 15	-0.090	-0.085	+0.390
18	M.	16.6 —17.0	-0.077	+0.238	+0.355	+0.354	17 20—18 55	-0.076	-0.127	+0.416
18		18.35—18.6	.....	+0.249	+0.365	+0.371				
18		21.2 —21.5	-0.082	+0.255	+0.360	+0.357	21 15—21 20	-0.083	-0.119	+0.423
18		23.3 —23.5	-0.074	+0.264	+0.320	+0.348	23 50—23 55	-0.068	-0.090	+0.420
19		4.8 — 5.1	-0.127	+0.233	+0.312	+0.302	4 57	-0.126	-0.095	+0.364
19		7.0 — 7.3	-0.124	+0.241	+0.262	+0.270	7 3	-0.126	-0.054	+0.364
							7 35— 7 40	-0.126	-0.054	+0.356
20	M.	16.7 —17.0	-0.130	+0.206	+0.233	+0.242	17 5—18 55	-0.129	-0.065	+0.315
20		18.4 —18.6	.....	+0.203	+0.266	+0.257				
20		21.1 —21.5	-0.115	+0.237	+0.260	+0.236	21 20—21 25	-0.121	-0.048	+0.336
20		23.3 —23.6	-0.120	+0.216	+0.218	+0.237	23 10— 0 5	-0.102	-0.049	+0.340
21		4.7 — 5.0	-0.127	+0.171	+0.242	+0.218	5 20— 9 30	-0.130	-0.060	+0.279
21		6.6 — 6.8	.....	+0.184	+0.206	+0.223				
21		9.0 — 9.7	-0.133	+0.184	+0.221	+0.225				
21	P.	16.0 —16.4	-0.111	+0.194	+0.236	+0.250	16 12	-0.109	-0.065	+0.307
21		18.7 —19.0	-0.104	+0.192	+0.314	+0.286	18 30	-0.109	-0.117	+0.332
22		23.65—23.9	-0.142	+0.206	+0.277	+0.277	0 0— 0 10	-0.142	-0.087	+0.334
22		4.9 — 5.2	-0.175	+0.132	+0.229	+0.255	5 0	-0.162	-0.069	+0.300
22		6.3 — 6.55	-0.166	+0.203	+0.201	+0.234	6 24	-0.162	-0.037	+0.300
22		9.05— 9.25	-0.149	+0.201	+0.210	+0.208	8 50—12 45	-0.152	-0.043	+0.280
22		12.15—12.6	-0.158	+0.176	+0.200	+0.220				
22	L.	21.6 —21.8	-0.153	+0.198	+0.188	+0.207	21 25—21 30	-0.148	-0.027	+0.282
23		0.0 — 0.4	-0.177	+0.137	+0.199	+0.205	23 25— 0 10	-0.162	-0.032	+0.278
23		5.1 — 6.1	-0.201	+0.116	+0.187	+0.157	5 20— 7 0	-0.202	-0.058	+0.188
23		6.7 — 7.2	.....	+0.104	+0.141	+0.169	7 9	-0.194	-0.043	+0.190
23		9.6 — 9.8	-0.178	+0.128	+0.144	+0.161	9 48	-0.174	-0.043	+0.190
							9 48	-0.174	-0.033	+0.212
23		12.4 —13.1	-0.149	+0.156	+0.166	+0.165	13 6	-0.149	-0.033	+0.212

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910		. h h	s	s	s	"	h m h m	s	s	s
Mar. 23	M.	23.3 —23.7	-0.136	+0.150	+0.150	+0.199	0 10—0 15	-0.123	-0.033	+0.236
24		4.9 —5.2	-0.157	+0.130	+0.174	+0.202	5 20—6 20	-0.155	-0.048	+0.226
24		6.1 —6.4	.....	+0.155	+0.171	+0.170				
24		10.6 —11.0	.....	+0.171	+0.167	+0.145	10 55—12 45	-0.155	-0.021	+0.226
24		12.1 —12.4	-0.152	+0.162	+0.164	+0.158				
24	P.	16.5 —16.75	-0.170	+0.145	+0.148	+0.181	16 55—19 15	-0.157	-0.034	+0.230
24		19.45—19.7	-0.149	+0.165	+0.186	+0.171				
24		21.8 —22.0	-0.189	+0.122	+0.128	+0.208	21 30—21 35	-0.168	-0.041	+0.218
24		0.0 —0.1	-0.196	+0.139	.....	.....	0 10—0 20	-0.197	-0.041	+0.210
25		0.4 .....	.....	.....	+0.166	+0.163				
25		5.0 —5.2	-0.250	+0.105	+0.138	+0.173	5 6	-0.232	-0.049	+0.190
25		7.4 —7.5	-0.239	+0.082	+0.161	+0.219	7 27	-0.232	-0.087	+0.190
25		11.4 —11.6	-0.232	+0.128	+0.127	+0.208	11 45—12 45	-0.210	-0.030	+0.218
25		12.8 —12.9	.....	+0.129	+0.109	+0.193				
26	L.	12.0 —12.5	-0.194	+0.158	+0.067	+0.143	12 15—14 15	-0.181	+0.023	+0.206
26		13.8 —14.1	-0.184	+0.176	+0.125	+0.111				
27	M.	13.9 —14.7	-0.149	+0.136	+0.096	+0.092	14 5—15 15	-0.150	+0.012	+0.164
27		23.8 —0.1	-0.117	+0.182	+0.122	+0.148	0 25—0 30	-0.111	+0.013	+0.231
28	P.	14.4 —14.7	-0.184	+0.113	+0.066	+0.140	14 50—16 5	-0.167	+0.004	+0.167
28		16.7 —16.9	-0.184	+0.117	+0.073	+0.128	17 20—19 15	-0.167	+0.013	+0.167
28		18.7 —19.1	-0.157	+0.154	+0.107	+0.071				
28		22.0 —22.2	-0.173	+0.135	+0.106	+0.133	21 40—21 45	-0.166	-0.004	+0.185
28		23.9 —0.3	-0.222	+0.083	+0.096	+0.176	0 25—0 35	-0.200	-0.041	+0.166
30	M.	0.75—1.0	-0.183	+0.108	+0.127	+0.053	0 30—0 35	-0.202	-0.015	+0.125
31	P.	16.7 —16.9	-0.185	+0.098	+0.054	+0.105	17 5—18 5	-0.176	+0.014	+0.132
31		19.1 —19.3	-0.186	+0.105	+0.051	+0.076				
31		0.2 —0.45	-0.180	+0.078	+0.054	+0.052	0 35—0 45	-0.181	+0.007	+0.093
Apr. 2	L.	0.8 —1.2	-0.168	+0.114	+0.022	+0.051	0 30—0 50	-0.161	+0.048	+0.117
2		5.2 —6.1	-0.173	+0.083	+0.028	+0.034	5 20—6 20	-0.171	+0.029	+0.085
2	P.	12.2 —12.4	-0.177	+0.076	+0.027	+0.029	12 35—13 40	-0.178	+0.016	+0.090
2		13.7 —13.95	-0.178	+0.086	+0.065	+0.055				
5	P.	1.1 —1.3	-0.205	+0.082	+0.074	+0.092	0 50—1 0	-0.200	-0.010	+0.120
5	L.	17.0 —17.2	-0.216	+0.082	+0.054	+0.060	17 12	-0.214	+0.020	+0.103
5		19.2 —19.4	-0.183	+0.127	+0.058	+0.078	19 24	-0.178	+0.020	+0.148
6	M.	17.0 —17.8	-0.142	+0.096	+0.038	+0.044	17 20—18 55	-0.139	+0.038	+0.106
6		18.6 —19.0	.....	+0.114	+0.035	+0.033				
6		22.4 —22.6	-0.127	+0.145	+0.030	+0.035	22 10—22 15	-0.126	+0.067	+0.134
7	P.	17.1 —17.3	-0.122	+0.179	+0.095	+0.092	17 20—19 0	-0.120	+0.034	+0.204
7		19.15—19.45	-0.105	+0.192	+0.129	+0.090				
7		22.15—22.55	-0.095	+0.171	+0.100	+0.099	22 10—22 15	-0.095	+0.029	+0.196
7		0.7 —0.85	-0.091	+0.177	+0.098	+0.094	1 5—1 20	-0.092	+0.036	+0.197
8		5.1 —5.25	-0.118	+0.174	+0.136	+0.100	5 9	-0.133	+0.012	+0.202
8		8.0 —8.35	-0.124	+0.133	+0.106	+0.053	8 3	-0.133	+0.012	+0.143
8	L.	17.0 —17.3	-0.113	+0.145	+0.096	+0.063	17 20—18 55	-0.118	+0.028	+0.163
8		18.6 —18.8	.....	+0.154	+0.084	+0.080				
9		1.3 .....	.....	+0.091	.....	.....	1 5—1 30	-0.116	-0.015	+0.150
9		1.6 —1.8	-0.132	.....	+0.061	+0.152				
9		4.9 —5.2	-0.220	+0.101	+0.059	+0.087	5 0	-0.202	+0.021	+0.130
9		6.1 —6.3	-0.194	+0.144	+0.072	+0.089	6 12	-0.202	+0.021	+0.165

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1910		h h	s	s	s	s	h m h m	s	s	s
Apr. 10	M.	18.0 —19.1	-0.130	+0.152	+0.028	+0.024	17 35—18 55	-0.131	+0.075	+0.133
11		0.9 —1.5	-0.144	+0.132	+0.027	+0.072	1 15—1 20	-0.132	+0.051	+0.143
11		4.8 —5.1	-0.204	+0.100	+0.017	+0.053	5 20—5 55	-0.190	+0.039	+0.094
11		6.1 —6.4	.....	+0.066	-0.013	+0.056				
12	L.	17.0 —17.3	-0.114	+0.137	+0.048	+0.051	17 20—18 35	-0.116	+0.036	+0.136
12		18.8 —19.2	-0.113	+0.124	+0.077	+0.053				
13		1.3 —1.7	-0.118	+0.124	+0.048	+0.121	1 20—2 0	-0.099	+0.025	+0.164
13		4.9 —5.5	-0.110	+0.123	+0.048	+0.023	5 3	-0.114	+0.051	+0.114
13		7.1 —7.4	-0.123	+0.137	+0.025	+0.071	7 15	-0.114	+0.051	+0.146
13	M.	16.9 —17.2	-0.127	+0.142	+0.068	+0.081	17 20—19 50	-0.120	+0.028	+0.156
13		19.3 —19.4	.....	+0.126	+0.065	+0.090				
13		1.1 —1.7	-0.094	+0.176	+0.057	+0.085	1 25—1 30	-0.087	+0.060	+0.187
14		4.9 —5.2	-0.182	+0.075	+0.023	+0.040	2 0—2 5	-0.107	+0.053	+0.168
14		7.3 —7.5	-0.168	+0.078	+0.035	+0.021	5 20—7 50	-0.175	+0.024	+0.078
14	P.	17.0 —17.2	-0.201	+0.101	+0.050	+0.066	17 20—20 15	-0.150	+0.029	+0.116
14		20.05—20.5	-0.143	+0.113	+0.044	+0.041				
15		1.4 —1.85	-0.200	+0.129	+0.055	+0.103	1 30—1 35	-0.187	+0.028	+0.160
15		2.45 .....	.....	+0.065	.....	.....	2 10—2 15	-0.187	+0.002	+0.128
15	L.	16.9 —17.2	-0.186	+0.111	+0.044	+0.059	17 20—19 50	-0.183	+0.026	+0.124
15		19.4 —19.7	-0.194	+0.100	+0.044	+0.082				
16		1.7 —2.0	-0.191	+0.081	+0.008	+0.068	1 30—2 20	-0.175	+0.031	+0.099
16		5.2 .....	.....	+0.056	.....	.....		
18	M.	1.6 —2.3	-0.165	+0.056	+0.060	+0.061	1 40—2 35	-0.165	-0.012	+0.082
18		4.9 —5.2	-0.191	+0.059	+0.022	+0.047	5 20—7 50	-0.180	+0.018	+0.070
18		7.3 —7.4	.....	+0.050	-0.004	+0.057				
19	P.	4.95—5.1	-0.152	+0.123	+0.016	+0.053	5 20—5 40	-0.147	+0.058	+0.124
19		11.1 —11.3	.....	+0.126	+0.063	+0.024	10 50—12 30	-0.147	+0.032	+0.118
19		12.15—12.9	-0.143	+0.110	+0.057	+0.050				
19	L.	17.5 —18.2	-0.114	+0.120	+0.061	+0.060	17 20—19 0	-0.118	+0.023	+0.145
19		19.1 —19.3	.....	+0.142	+0.101	+0.072				
21	P.	22.95—23.35	-0.108	+0.131	+0.078	+0.109	23 5—23 10	-0.099	+0.015	+0.168
22		2.15—2.4	-0.139	+0.085	+0.060	+0.108	1 55—2 0	-0.123	-0.003	+0.129
22		2.9 .....	.....	+0.098	.....	.....	3 0—3 5	-0.135	+0.008	+0.136
22		4.95—5.2	-0.165	+0.108	+0.048	+0.074	5 6	-0.163	+0.025	+0.127
22		7.6 —8.05	-0.163	+0.075	+0.077	+0.035	8 0	-0.163	-0.004	+0.085
22		10.6 —10.8	-0.157	+0.071	+0.065	+0.050	10 42	-0.163	-0.008	+0.088
22		13.3 —13.5	-0.162	+0.085	+0.080	+0.092	13 24	-0.163	-0.008	+0.122
22	L.	17.0 —17.3	-0.138	+0.113	+0.071	+0.059	17 20—19 0	-0.141	+0.016	+0.131
22		18.8 —19.2	.....	+0.117	+0.080	+0.068				
23		2.1 —2.5	-0.147	+0.108	+0.109	+0.098	2 0—2 5	-0.150	-0.015	+0.147
23		14.0 —14.3	-0.174	+0.096	+0.048	+0.058	13 50—13 55	-0.171	+0.021	+0.110
24	M.	23.4 —23.7	-0.147	+0.108	+0.064	+0.064	23 15—23 20	-0.147	+0.018	+0.124
25		2.3 —2.5	-0.158	+0.075	+0.051	+0.071	2 5—2 10	-0.153	+0.003	+0.100
25	P.	15.1 —15.3	-0.162	+0.041	+0.044	+0.068	15 25—17 40	-0.150	-0.009	+0.079
25		17.6 —17.9	-0.143	+0.066	+0.061	+0.053	17 42	-0.138	-0.004	+0.086
25		20.1 —20.5	-0.126	+0.110	+0.059	+0.044	20 18	-0.138	+0.027	+0.115
25		23.6 —23.9	-0.139	+0.098	+0.103	+0.093	23 20—23 25	-0.142	-0.016	+0.136
26		2.4 —2.6	-0.145	+0.072	+0.019	+0.043	2 10—2 15	-0.139	+0.025	+0.080
26		10.6 —10.8	-0.132	+0.073	+0.044	+0.042	10 55—12 30	-0.131	+0.020	+0.094
26		12.6 —12.8	-0.127	+0.101	+0.048	+0.040				
26	L.	15.9 —16.7	-0.128	+0.079	+0.018	+0.060	16 0—18 35	-0.122	+0.028	+0.102
26		18.4 —18.9	-0.125	+0.107	+0.052	+0.040				
26		23.5 —23.7	-0.139	+0.112	+0.045	+0.063	23 25—23 30	-0.134	+0.031	+0.125
27		2.1 —2.6	-0.136	+0.119	+0.012	+0.102	2 15—2 20	-0.112	+0.045	+0.146
27		12.1 —12.7	-0.133	+0.108	+0.016	+0.043	12 10—13 25	-0.126	+0.049	+0.108

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910		h h	h	s	s	s	h m h m	s	s	s
Apr. 27	M.	16.9 — 17.8	-0.129	+0.099	+0.034	+0.023	17 5—20 15	-0.128	+0.040	+0.099
27		18.7 — 19.4	-0.117	.....	+0.054	+0.017				
27		19.5 — 19.7	.....	+0.113	+0.043	+0.016				
27		1.8 — 2.1	-0.127	+0.107	-0.001	+0.023	2 15— 2 25	-0.121	+0.062	+0.095
28		4.6 — 4.8	-0.112	+0.126	+0.017	+0.001	3 35— 3 40	-0.118	+0.066	+0.098
28		6.1 — 6.4	.....	+0.114	+0.009	-0.018	5 20— 6 20	-0.118	+0.070	+0.090
28		9.5 — 9.8	-0.107	+0.130	+0.016	-0.023	9 20—12 30	-0.118	+0.068	+0.082
28		11.6 — 11.8	.....	+0.104	+0.024	-0.022				
28	P.	17.0 — 17.2	-0.132	+0.109	+0.057	+0.046	17 20—18 55	-0.128	+0.036	+0.126
28		19.7 — 19.9	-0.134	+0.126	+0.031	+0.075				
29		2.5 — 2.75	-0.117	+0.118	+0.048	+0.054	2 20— 2 30	-0.115	+0.035	+0.125
29	L.	19.3 — 19.8	-0.133	+0.109	+0.059	+0.050	19 0—19 5	-0.135	+0.025	+0.117
30		2.3 — 2.7	-0.196	+0.087	+0.071	+0.047	2 25— 2 30	-0.202	+0.005	+0.100
30		8.3 — 8.5	-0.272	+0.007	+0.060	+0.043	8 35— 9 30	-0.262	-0.039	+0.043
30		10.2 — 10.7	-0.249	+0.025	+0.061	+0.062	10 10—13 35	-0.251	-0.039	+0.043
30		13.0 — 13.6	-0.268	-0.016	+0.030	+0.085				
30	P.	17.0 — 17.2	-0.233	+0.006	+0.018	+0.072	17 20—20 15	-0.224	-0.028	+0.032
30		19.5 — 19.7	-0.230	-0.008	+0.037	+0.040				
May 2	M.	12.8 — 13.2	-0.178	-0.024	-0.008	+0.024	13 25—13 30	-0.169	-0.015	-0.007
2	P.	2.2 — 2.4	-0.181	+0.065	+0.046	+0.039	2 35— 2 45	-0.183	+0.007	+0.075
3	L.	0.1 — 0.3	-0.156	+0.097	+0.040	+0.042	23 50—23 55	-0.155	+0.030	+0.102
4		2.5 — .....	.....	+0.097	.....	.....		
4		9.6 — 9.9	-0.160	+0.094	+0.019	+0.012	9 20—13 30	-0.158	+0.058	+0.076
4		13.0 — 13.6	-0.159	+0.095	-0.017	-0.001				
4	M.	17.0 — 17.5	-0.137	+0.100	+0.010	-0.002	17 12	-0.129	+0.058	+0.078
4		19.9 — 20.0	.....	+0.171	+0.007	-0.034	19 57	-0.129	+0.111	+0.115
4		20.8 — 21.0	-0.096	+0.155	+0.035	-0.027	20 10—21 25	-0.115	+0.098	+0.112
4		0.2 — 0.3	.....	+0.153	+0.038	+0.012	23 40—23 45	-0.115	+0.073	+0.130
4		2.9 — 3.1	-0.116	+0.130	-0.024	+0.039	2 45— 2 50	-0.099	+0.086	+0.119
5		9.5 — 9.7	-0.115	+0.098	+0.011	-0.051	9 20— 9 25	-0.132	+0.067	+0.051
5	P.	17.0 — 17.2	-0.122	+0.104	+0.011	+0.022	17 20—19 5	-0.116	+0.054	+0.104
5		19.15—19.3	.....	+0.126	+0.038	+0.027				
5		20.95—21.1	-0.102	+0.130	+0.025	-0.004	21 20—21 30	-0.109	+0.069	+0.102
5		0.3 — 0.5	-0.108	+0.131	+0.023	+0.030	23 55— 0 40	-0.106	+0.064	+0.119
5		2.4 — 2.6	-0.117	+0.133	+0.028	+0.066	2 50— 2 55	-0.107	+0.053	+0.141
6		4.4 — 4.6	-0.117	+0.125	+0.007	+0.011	4 10— 4 15	-0.116	+0.072	+0.104
6		8.7 — 8.9	-0.149	+0.105	+0.029	-0.012	8 10— 9 30	-0.160	+0.053	+0.078
6	L.	17.1 — 17.6	-0.132	+0.118	-0.026	+0.010	17 20—18 55	-0.125	+0.074	+0.102
6		18.6 — 18.8	.....	+0.126	+0.023	+0.019				
6		20.8 — 21.1	-0.118	+0.136	+0.036	+0.009	21 25—21 30	-0.120	+0.064	+0.114
6		0.9 — 1.1	-0.140	+0.120	+0.001	+0.089	1 25— 1 30	-0.116	+0.055	+0.140
7		3.0 — 4.1	-0.159	+0.110	-0.017	+0.063	2 50— 3 0	-0.138	+0.064	+0.116
9	M.	12.7 — 13.0	-0.159	+0.088	+0.083	+0.085	13 5—13 30	-0.158	-0.009	+0.122
9	P.	17.0 — 17.3	-0.162	+0.084	+0.062	+0.087	17 20—19 5	-0.158	-0.005	+0.119
9		19.2 — 19.4	-0.162	+0.085	+0.074	+0.085				
9		21.2 — 21.3	.....	+0.082	+0.063	+0.102	21 25—21 30	-0.151	-0.005	+0.119
9		0.6 — 0.8	-0.150	+0.098	+0.076	+0.095	0 15— 0 20	-0.145	+0.006	+0.134
9		2.6 — 2.85	-0.167	+0.077	+0.048	+0.038	1 25— 1 30	-0.154	+0.006	+0.116
							3 5— 3 10	-0.170	+0.013	+0.085
12	P.	17.0 — 17.2	-0.135	+0.117	+0.055	+0.066	17 20—18 55	-0.130	+0.033	+0.132
12		19.1 — 19.15	.....	+0.126	+0.056	+0.060				
12		21.15—21.55	-0.122	+0.133	+0.074	+0.035	21 20—21 25	-0.133	+0.033	+0.132
12		0.7 — 1.1	-0.135	+0.110	+0.095	+0.050	0 25— 1 30	-0.147	+0.006	+0.121
13		3.5 — 3.7	-0.129	+0.126	+0.047	+0.057	3 15— 3 20	-0.126	+0.041	+0.133
13		8.15— 8.3	-0.134	+0.113	+0.036	+0.017	7 50— 7 55	-0.139	+0.048	+0.100

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910		h h	s	s	s	s	h m h m	s	s	s
May 14	L.	3.5 — 3.7	-0.133	+0.122	+0.045	+0.076	3 20—3 25	-0.124	+0.035	+0.140
14		9.0 — 9.2	-0.128	+0.111	+0.044	+0.052	8 50—12 5	-0.124	+0.034	+0.112
14		11.8 —12.3	-0.118	+0.107	+0.048	+0.034				
15	P.	9.65—10.05	-0.114	+0.132	+0.062	+0.041	9 51	-0.126	+0.040	+0.120
15		12.8 —13.25	-0.129	+0.089	+0.081	+0.060	13 12	-0.126	-0.001	+0.120
15	M.	16.9 —17.5	-0.123	+0.102	+0.057	+0.047	17 20—18 55	-0.130	+0.034	+0.110
15		18.4 —18.6	.....	+0.123	+0.052	+0.015				
16		3.7 — 3.9	-0.144	+0.089	+0.074	+0.047	3 25—3 35	-0.151	+0.004	+0.102
16		10.5 —10.8	.....	+0.066	+0.041	+0.031	11 0—11 45	-0.148	+0.011	+0.069
16		11.5 —11.9	-0.142	+0.068	+0.051	+0.015				
16	P.	17.0 —17.2	-0.144	+0.078	+0.074	+0.050	17 20—18 55	-0.144	0.000	+0.103
16		19.0 —19.1	.....	+0.101	+0.069	+0.060				
16		21.15—21.6	-0.124	+0.085	+0.100	+0.037	21 20—21 25	-0.141	0.000	+0.103
16		3.2 — 3.4	-0.144	+0.093	+0.045	+0.031	3 30—3 40	-0.148	+0.026	+0.093
17		11.15—11.6	-0.171	+0.052	+0.029	+0.035	11 20—13 30	-0.164	+0.009	+0.068
17		13.75—13.9	-0.149	+0.075	+0.060	+0.021				
18	L.	3.7 — 4.0	-0.169	+0.064	+0.036	+0.044	3 35—3 40	-0.167	+0.010	+0.076
18		11.3 —11.6	-0.191	+0.046	+0.058	+0.049	11 24	-0.184	-0.010	+0.068
18		13.2 —13.8	-0.165	+0.088	+0.088	+0.052	13 36	-0.184	-0.010	+0.105
18	M.	17.0 —17.3	-0.180	+0.061	+0.044	+0.044	17 9	-0.180	+0.004	+0.072
18		18.8 —19.2	.....	+0.075	+0.017	+0.018	19 0	-0.180	+0.033	+0.072
18		1.6 — 1.9	-0.162	+0.070	-0.011	+0.049	1 25—1 30	-0.146	+0.039	+0.079
18		3.4 — 3.5	.....	+0.084	+0.026	+0.042	3 40—3 45	-0.158	+0.029	+0.089
19		8.4 — 8.6	-0.239	-0.002	+0.019	+0.018	7 45—9 30	-0.239	-0.015	+0.009
19		11.4 —12.4	-0.232	-0.002	-0.033	+0.015	11 39	-0.218	+0.015	+0.003
19		14.0 —14.3	.....	+0.020	-0.021	+0.039	14 6	-0.218	+0.015	+0.034
19	P.	17.1 —17.3	-0.207	+0.040	+0.002	+0.036	17 20—19 15	-0.198	+0.014	+0.052
19		19.5 —19.7	-0.196	+0.050	+0.029	+0.021				
21	L.	3.9 — 4.2	-0.200	+0.060	+0.103	+0.138	3 45—3 55	-0.190	-0.049	+0.129
21		12.3 —12.5	-0.223	+0.027	+0.086	+0.109	12 0—14 55	-0.212	-0.061	+0.100
21		14.0 —15.0	-0.213	+0.038	+0.109	+0.134				
23	P.	9.25—9.7	-0.235	+0.030	+0.126	+0.089	9 20—9 30	-0.245	-0.076	+0.080
23		13.2 —13.8	-0.224	+0.014	+0.122	+0.099	13 25—13 30	-0.230	-0.076	+0.080
23	M.	16.2 .....	.....	-0.010	.....	.....	16 18	-0.222	-0.068	+0.047
23		16.4 —16.8	-0.231	.....	+0.068	+0.091				
23		18.4 —18.6	.....	+0.011	+0.087	+0.132	18 30	-0.222	-0.068	+0.087
23		1.7 — 1.9	-0.190	+0.029	+0.111	+0.116	1 10—1 30	-0.189	-0.070	+0.095
23		3.5 — 3.8	-0.220	+0.015	+0.119	+0.115	4 0—4 5	-0.221	-0.082	+0.084
25	M.	1.0 — 1.2	-0.184	+0.082	+0.055	+0.093	1 25—1 30	-0.174	0.000	+0.118
25		3.7 — 3.9	-0.180	+0.062	+0.085	+0.119	4 5—4 15	-0.171	-0.034	+0.119
26	P.	17.1 —17.3	-0.189	+0.069	+0.123	+0.063	17 12	-0.205	-0.030	+0.102
26		20.0 —20.2	-0.172	+0.075	+0.094	+0.068	20 6	-0.179	-0.030	+0.102
26		1.7 — 1.9	-0.165	+0.093	+0.061	+0.120	1 25—1 30	-0.149	-0.002	+0.142
27		4.45—4.7	-0.162	+0.084	+0.072	+0.100	4 10—4 20	-0.154	-0.009	+0.126
27	L.	17.1 —17.4	-0.139	+0.125	+0.115	+0.060	17 20—20 0	-0.154	-0.002	+0.140
27		19.8 —19.9	.....	.....	+0.112	+0.059				
27		20.1 —20.4	-0.170	+0.115	+0.112	+0.079	21 20—21 25	-0.182	+0.029	+0.134
27		21.3 —21.6	.....	+0.136	+0.087	+0.036				
27		1.2 — 1.7	-0.168	+0.097	+0.097	+0.060	1 25—1 30	-0.178	-0.006	+0.117
28		4.1 — 4.4	-0.191	+0.117	+0.037	+0.063	4 15—4 20	-0.184	+0.039	+0.127
28		12.3 —12.5	-0.221	+0.073	+0.069	+0.053	12 35—14 15	-0.232	-0.016	+0.088
28		13.9 —14.3	-0.216	+0.061	+0.099	+0.047				
28	P.	18.8 —19.0	-0.213	+0.066	+0.055	+0.070	19 10—20 40	-0.211	-0.006	+0.096
28		20.95—21.2	-0.210	+0.074	+0.074	+0.064				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910										
May 30	P.	h h 17.0 —17.2	s -0.211	m +0.051	s +0.074	s +0.076	h m h m 18 15—19 55	s -0.204	s -0.012	s +0.100
30		20.1 —20.5	-0.193	+0.095	+0.084	+0.061				
31		4.7 —4.9	-0.192	+0.093	+0.049	+0.074	4 25—4 35	-0.186	+0.014	+0.116
31	L.	21.2 —21.3	.....	.....	+0.078	+0.057				
31		23.2 —23.5	-0.161	+0.133	+0.078	+0.053	23 20—23 25	-0.166	+0.028	+0.141
June 1	M.	1.6 —2.0	-0.175	+0.072	+0.058	+0.079	1 25—1 55	-0.175	-0.005	+0.103
1		4.0 —4.4	-0.169	+0.093	+0.029	+0.048	4 35—4 40	-0.164	+0.032	+0.100
3	L.	17.2 —17.8	-0.168	+0.089	+0.049	+0.045	17 20—18 55	-0.170	+0.012	+0.108
3		19.0 —19.1	.....	+0.098	+0.078	+0.061				
3		21.2 —21.6	-0.168	+0.093	+0.087	+0.063	21 20—21 25	-0.174	-0.003	+0.115
3		1.6 —1.8	-0.142	+0.146	+0.083	+0.065	1 25—2 5	-0.153	+0.031	+0.156
3		2.4 —.....	-0.168	.....	.....	.....	
4		4.4 —4.5	-0.152	+0.114	+0.004	+0.055	4 45—4 50	-0.153	+0.057	+0.119
5	M.	2.5 —2.7	-0.184	+0.062	+0.068	+0.097	2 5—2 10	-0.177	-0.021	+0.105
5		4.4 —4.7	-0.192	+0.058	+0.047	+0.060	4 50—5 0	-0.200	-0.004	+0.081
6		5.1 —.....	-0.213	.....	.....	.....	
6		12.8 —14.0	-0.226	+0.029	+0.072	+0.056	13 5—14 25	-0.229	-0.036	+0.060
6		14.5 —14.6	.....	+0.024	+0.072	+0.063				
6	P.	17.3—17.65	-0.223	+0.035	+0.078	+0.121	17 20—18 20	-0.228	-0.038	+0.084
6		18.7—19.15	-0.239	+0.041	+0.073	+0.055				
6		1.8—2.0	-0.226	+0.053	+0.042	+0.098	1 25—2 15	-0.211	-0.011	+0.097
6		4.6—4.8	-0.231	+0.052	+0.039	+0.110	4 55—5 5	-0.212	-0.013	+0.101
7		13.0—13.2	-0.223	+0.043	+0.023	+0.081	13 25—15 5	-0.210	0.000	+0.086
7		15.1—15.3	-0.213	+0.075	+0.056	+0.060				
7	L.	17.2—17.6	-0.197	+0.085	+0.083	+0.071	17 18	-0.196	-0.006	+0.112
7		20.9—21.1	-0.200	+0.047	+0.032	+0.063	21 3	-0.196	-0.006	+0.074
7		1.2—1.6	-0.192	+0.082	+0.055	+0.075	1 25—1 30	-0.187	+0.004	+0.109
8		4.9—5.3	-0.214	+0.053	+0.038	+0.037	5 0—5 5	-0.214	+0.003	+0.065
8		13.0—13.6	-0.229	+0.018	+0.024	+0.044	13 25—15 5	-0.223	-0.006	+0.050
8		14.8—15.1	-0.229	+0.040	+0.025	+0.051				
8	M.	17.5—18.6	-0.207	+0.053	+0.035	+0.011	17 20—21 30	-0.212	+0.008	+0.060
8		20.8—21.0	.....	+0.062	+0.047	+0.032				
11	L.	9.5—9.7	-0.207	+0.044	+0.096	+0.063				
11		13.1—13.7	-0.207	+0.023	+0.052	+0.063	13 25—13 55	-0.210	-0.034	+0.066
13	M.	17.0—18.1	-0.220	+0.029	+0.077	+0.109	17 20—18 20	-0.212	-0.048	+0.087
13		18.6—18.8	.....	+0.029	+0.078	+0.106				
14		5.7—5.9	-0.223	+0.014	+0.064	+0.112	5 25—5 30	-0.210	-0.051	+0.076
14		13.6—13.9	-0.226	+0.022	+0.107	+0.107	13 25—15 5	-0.224	-0.070	+0.085
14		14.6—14.8	.....	+0.020	+0.102	+0.115				
16	M.	5.9—6.1	-0.242	+0.001	+0.047	+0.121	5 35—5 40	-0.229	-0.056	+0.064
16		13.1—13.7	-0.220	+0.013	+0.106	+0.102	13 25—13 30	-0.221	-0.073	+0.074
18	L.	5.9—6.1	-0.279	+0.009	+0.087	+0.151				
19	M.	15.8—16.3	-0.280	-0.022	+0.094	+0.151	15 40—18 55	-0.266	-0.094	+0.076
19		18.6—18.7	.....	-0.005	+0.071	+0.166				
19		3.5—3.7	-0.225	+0.030	+0.085	+0.148	3 5—4 20	-0.218	-0.064	+0.105
19		5.4—5.7	-0.225	+0.013	+0.125	+0.143	5 50—5 55	-0.218	-0.094	+0.096
20		13.6—13.9	-0.251	-0.027	+0.179	+0.168	13 25—15 35	-0.254	-0.141	+0.090
20		14.8—15.1	.....	-0.005	+0.163	+0.157				
20	L.	16.7—17.0	-0.257	-0.011	+0.165	+0.170	16 30—16 35	-0.256	-0.137	+0.098
20		1.0—1.8	-0.258	+0.050	+0.113	+0.195	1 25—1 30	-0.243	-0.079	+0.148
20		4.5—4.7	-0.246	+0.031	+0.148	+0.192	4 20—4 25	-0.234	-0.106	+0.140
20		5.8—6.2	-0.264	-0.004	+0.140	+0.178	5 55—6 0	-0.251	-0.113	+0.106
21		13.7—14.0	-0.260	-0.007	+0.176	+0.163	13 25—15 35	-0.262	-0.134	+0.104
21		15.3—15.6	.....	+0.001	+0.170	+0.171				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910		h h	s	s	s	s	h m h m	s	s	s
June 21	P.	17.0—17.2	-0.266	-0.004	+0.170	+0.185	17 20—19 45	-0.257	-0.134	+0.114
21		20.0—20.2	-0.264	-0.004	+0.153	+0.197				
21		3.1—3.3	-0.235	+0.026	+0.168	+0.161	3 15—4 30	-0.242	-0.122	+0.114
21		5.7—5.9	-0.246	+0.001	+0.173	+0.168	6 0—6 5	-0.247	-0.132	+0.107
22		13.8—14.0	-0.271	-0.039	+0.155	+0.127	13 54—.. ..	-0.272	-0.130	+0.053
22		15.6—15.8	-0.266	-0.008	+0.150	+0.155	15 42—.. ..	-0.272	-0.130	+0.090
22	M.	17.0—17.8	-0.262	-0.026	+0.148	+0.166	17 20—19 45	-0.256	-0.124	+0.092
22		19.1—19.6	-0.260	+0.002	+0.143	+0.159				
22		1.2—1.8	-0.245	+0.023	+0.140	+0.141	1 25—1 30	-0.245	-0.095	+0.106
22		5.6—5.8	-0.248	-0.001	+0.120	+0.195	6 0—6 10	-0.228	-0.110	+0.115
23	L.	17.2—17.5	-0.255	-0.018	+0.178	+0.165	17 20—19 55	-0.262	-0.146	+0.095
23		19.6—20.0	-0.258	-0.008	+0.189	+0.161				
23		1.2—1.7	-0.258	-0.008	+0.179	+0.193	1 25—1 30	-0.254	-0.150	+0.111
24		6.0—6.5	-0.248	+0.002	+0.133	+0.144	6 5—6 15	-0.245	-0.104	+0.091
24	M.	17.1—18.7	-0.249	-0.016	+0.117	+0.127	17 18—.. ..	-0.246	-0.102	+0.067
24		20.1—20.7	.....	+0.011	+0.134	+0.146	20 24—.. ..	-0.246	-0.102	+0.099
24		5.8—6.0	-0.211	+0.014	+0.131	+0.111				
25	L.	17.2—17.5	-0.227	+0.009	+0.104	+0.101	17 20—18 55	-0.221	-0.068	+0.079
25		19.5—19.9	-0.220	+0.026	+0.098	+0.108	19 40—21 45	-0.221	-0.061	+0.099
25		21.5—21.8	.....	+0.046	+0.114	+0.119				
26	M.	17.1—18.6	-0.226	+0.002	+0.087	+0.092	17 20—18 35	-0.222	-0.064	+0.070
26		19.9—21.4	-0.223	+0.023	+0.092	+0.105	19 40—22 15	-0.222	-0.058	+0.084
26		21.9—22.3	.....	+0.030	+0.094	+0.101				
26		1.3—1.7	.....	+0.034	+0.080	+0.113	1 25—1 30	-0.207	-0.048	+0.093
26		5.8—6.1	-0.210	+0.045	+0.127	+0.098				
27	L.	22.6—23.6	-0.217	+0.048	+0.112	+0.104	22 40—23 25	-0.219	-0.055	+0.104
28	M.	0.1—0.5	-0.209	+0.059	+0.092	+0.070	23 5—1 30	-0.215	-0.030	+0.092
28		6.1—6.3	-0.218	+0.026	+0.029	+0.098	5 0—6 35	-0.200	-0.022	+0.074
29		16.5—16.9	-0.237	+0.031	+0.087	+0.057	16 15—18 55	-0.240	-0.052	+0.069
29		18.4—18.6	.....	+0.018	+0.093	+0.098				
29	L.	1.0—1.2	-0.227	+0.050	+0.093	+0.091	0 50—1 30	-0.228	-0.041	+0.096
29		5.1—5.4	-0.246	+0.016	+0.093	+0.069	5 10—5 15	-0.252	-0.057	+0.059
30		6.3—6.8	-0.248	+0.012	+0.075	+0.065	6 30—6 40	-0.251	-0.048	+0.051
30		14.4—14.8	-0.279	-0.027	+0.102	+0.091	14 40—16 10	-0.274	-0.090	+0.044
30		16.6—16.9	-0.269	-0.014	+0.099	+0.098	17 20—18 35	-0.274	-0.085	+0.061
30		18.4—18.6	.....	+0.005	+0.117	+0.104				
30	M.	6.3—6.5	-0.268	-0.018	+0.091	+0.101				
July 2	L.	6.8—7.1	-0.258	-0.001	+0.100	+0.113				
4	M.	6.2—6.4	-0.242	+0.008	+0.054	+0.098				
5		13.6—13.9	-0.244	-0.038	+0.083	+0.059	13 25—13 30	-0.250	-0.083	+0.011
5		18.0—18.7	-0.215	+0.034	+0.083	+0.046	17 20—18 55	-0.225	-0.035	+0.059
5	L.	1.2—1.6	-0.236	+0.044	+0.125	+0.080	1 25—1 30	-0.248	-0.059	+0.089
5		5.8—6.2	-0.229	+0.032	+0.069	+0.110	5 55—6 0	-0.218	-0.043	+0.090
6		6.8—7.2	-0.219	+0.041	+0.065	+0.049	6 55—7 5	-0.220	-0.032	+0.078
7	L.	1.6—1.8	-0.217	+0.031	+0.088	+0.091	1 25—1 30	-0.216	-0.050	+0.082
8		6.0—6.4	-0.242	-0.012	+0.081	+0.096	7 5—7 10	-0.238	-0.073	+0.049
8		17.1—17.5	-0.255	-0.023	+0.105	+0.114	17 20—18 20	-0.255	-0.089	+0.054
8		18.5—18.6	.....	-0.005	+0.099	+0.092				
8	M.	1.2—1.7	-0.254	-0.008	+0.091	+0.106	1 25—1 30	-0.250	-0.079	+0.059
8		6.5—6.7	-0.245	-0.020	+0.073	+0.112	6 20—7 15	-0.234	-0.078	+0.051
9		10.0—10.2	-0.265	-0.033	+0.108	+0.099	9 50—9 55	-0.267	-0.103	+0.038
9		16.6—16.9	-0.268	-0.040	+0.117	+0.103	16 15—19 0	-0.273	-0.114	+0.042
9		18.4—18.6	.....	-0.027	+0.129	+0.107				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910		h h	s	s	s	s	h m h m	s	s	s
July 10	L.	6.4 — 6.9	−0.248	+0.002	+0.124	+0.130	6 35—7 25	−0.246	−0.096	+0.083
11		18.0 —18.7	−0.257	−0.021	+0.094	+0.095	17 20—18 20	−0.257	−0.086	+0.043
11	M.	6.6 — 7.1	−0.269	−0.050	+0.100	+0.145	6 45—7 25	−0.257	−0.119	+0.047
13	M.	7.3 — 7.8	−0.249	−0.022	+0.117	+0.101	7 30—7 35	−0.253	−0.101	+0.048
14		13.6 —14.1	−0.265	−0.069	+0.058	+0.115	13 25—19 0	−0.252	−0.097	+0.020
14		18.4 —19.1	−0.253	−0.037	+0.089	+0.090				
14	L.	1.3 — 1.8	−0.226	+0.029	+0.111	+0.091	1 25—1 30	−0.231	−0.064	+0.082
15		7.2 — 7.4	−0.234	+0.005	+0.115	+0.111	7 35—7 40	−0.235	−0.085	+0.074
15		13.6 —13.9	−0.254	−0.071	+0.104	+0.084	13 25—16 10	−0.256	−0.104	+0.010
15		16.4 —16.7	−0.253	−0.038	+0.083	+0.079				
16	M.	7.9 — 8.0	−0.254	−0.033	+0.093	+0.115				
19	L.	13.2 —13.6	−0.210	+0.013	+0.062	+0.053	13 25—13 30	−0.212	−0.038	+0.045
19		17.1 —17.4	−0.214	+0.027	+0.056	+0.047	17 20—19 45	−0.221	−0.020	+0.058
19		19.3 —19.8	−0.213	+0.051	+0.078	+0.028				
19	M.	1.0 — 1.6	−0.183	+0.067	+0.059	+0.042	1 25—1 30	−0.187	+0.001	+0.080
19		7.3 — 7.5	−0.198	+0.048	+0.056	+0.124	7 55—8 0	−0.180	−0.029	+0.108
20		16.7 —17.1	−0.217	−0.016	+0.041	+0.068	17 10—19 45	−0.202	−0.034	+0.040
20		19.3 —19.6	−0.209	+0.012	+0.019	+0.076				
20	P.	1.6 — 1.9	−0.200	+0.043	+0.067	+0.089	1 25—1 30	−0.194	−0.030	+0.087
20		7.6 — 7.8	−0.216	+0.002	+0.061	+0.098	7 55—8 15	−0.206	−0.054	+0.059
21		16.9 —17.15	−0.212	−0.011	+0.046	+0.040	17 0	−0.215	−0.050	+0.017
21		20.4 —20.6	−0.220	−0.001	+0.071	+0.088	20 30	−0.215	−0.050	+0.052
21	M.	7.5 — 7.8	−0.230	−0.002	+0.076	+0.106	8 0—8 25	−0.222	−0.067	+0.062
22		12.9 —13.2	−0.259	−0.059	+0.072	+0.075	13 25—13 30	−0.258	−0.094	+0.001
22		17.0 —17.5	−0.247	−0.040	+0.065	+0.082	17 20—21 0	−0.248	−0.087	+0.025
22		20.0 —20.8	−0.246	−0.027	+0.103	+0.081				
22	P.	1.2 — 1.65	−0.236	−0.024	+0.093	+0.108	1 25—1 30	−0.232	−0.091	+0.047
23	P.	19.2 —19.4	−0.246	−0.028	+0.108	+0.088	19 35—21 55	−0.242	−0.092	+0.046
23		22.0 —22.2	−0.243	−0.022	+0.083	+0.125				
23		1.1 — 1.3	−0.239	−0.024	+0.117	+0.093	1 25—1 30	−0.245	−0.101	+0.043
24	M.	19.8 —20.5	−0.259	−0.061	+0.098	+0.104	19 35—22 50	−0.258	−0.110	+0.018
24		22.3 —22.4	.....	−0.050	+0.096	+0.091				
25	P.	8.1 — 8.5	−0.258	−0.067	+0.076	+0.120	8 15—8 20	−0.246	−0.111	+0.019
25		16.9 —17.1	−0.262	−0.057	+0.115	+0.127	17 20—18 55	−0.259	−0.122	+0.040
25		18.95—19.1	−0.264	−0.041	+0.111	+0.129				
25		0.1 — 0.3	−0.258	−0.040	+0.103	+0.122	23 40—1 30	−0.253	−0.109	+0.043
26	M.	8.0 — 8.5	−0.264	−0.050	+0.075	+0.117	8 15—8 55	−0.253	−0.099	+0.030
26		16.9 —18.2	−0.278	−0.080	+0.064	+0.112	17 10—19 0	−0.266	−0.101	+0.007
26		18.4 —18.6	.....	−0.059	+0.059	+0.097				
26	P.	0.9 — 1.1	−0.241	−0.004	+0.102	+0.085	0 30—1 30	−0.245	−0.078	+0.053
27	M.	1.7 — 2.0	−0.220	−0.006	+0.068	+0.072	1 25—1 30	−0.219	−0.057	+0.040
27		8.1 — 8.7	−0.232	−0.022	+0.066	+0.078	8 25—9 15	−0.229	−0.068	+0.030
28		16.8 —17.1	−0.234	−0.046	+0.065	+0.102	16 57	−0.232	−0.088	+0.025
28		18.6 —18.9	.....	−0.028	+0.045	+0.027	18 42	−0.232	−0.049	−0.003
28	P.	1.8 — 2.0	−0.228	−0.002	+0.071	+0.087	1 25—2 20	−0.224	−0.060	+0.052
29		8.4 — 8.8	−0.231	−0.005	+0.049	+0.044	8 30—9 20	−0.232	−0.040	+0.024
29		16.7 —16.9	−0.229	−0.034	+0.076	+0.080	17 5—18 35	−0.232	−0.081	+0.025
29		18.75—18.9	−0.239	−0.034	+0.072	+0.086				
29	M.	8.3 — 8.8	−0.239	−0.029	+0.040	+0.096	8 30—8 40	−0.224	−0.062	+0.032
30		17.1 —17.5	−0.254	−0.053	+0.062	+0.085	17 20—19 5	−0.248	−0.082	+0.015
30		18.6 —18.9	.....	−0.036	+0.061	+0.082				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910 July 30	P.	^h 4.1 — ^h 4.8	^s -0.232	^s +0.054	^s +0.080	^s +0.085	^h 4 15— ^m 4 20	^s -0.231	^s -0.029	^s +0.094
31	P.	5.2 — 5.45	-0.232	+0.038	+0.086	+0.104	5 15—5 20	-0.227	-0.047	+0.093
Aug. 1		8.6 — 9.0	-0.220	+0.039	+0.088	+0.057	8 40—9 45	-0.229	-0.037	+0.068
1		13.25—13.7	-0.226	-0.006	+0.075	+0.060	13 25—13 30	-0.230	-0.059	+0.035
1		16.9 —17.1	-0.228	-0.021	+0.071	+0.064	17 20—18 45	-0.232	-0.054	+0.030
1		19.3 —19.4	-0.228	+0.009	+0.065	+0.042				
2	P.	8.65—9.05	-0.242	-0.006	+0.065	+0.080	8 45—9 50	-0.238	-0.057	+0.043
2	M.	8.5 — 9.1	-0.246	-0.034	+0.078	+0.080	8 50—8 55	-0.245	-0.082	+0.024
3		13.0 —13.2	-0.288	-0.090	+0.071	+0.111	13 25—13 30	-0.277	-0.121	-0.004
3		17.0 —17.5	-0.255	-0.061	+0.077	+0.073	17 20—19 5	-0.256	-0.106	-0.007
3		19.1 —19.2	.....	-0.082	+0.083	+0.082				
4	P.	9.1 — 9.25	-0.248	-0.040	+0.083	+0.090	8 50—9 0	-0.246	-0.091	+0.024
4		10.25 .....	.....	-0.033	.....	.....	10 0—10 5	-0.246	-0.098	+0.020
4		13.2 —13.7	-0.236	-0.040	+0.112	+0.101	13 25—13 30	-0.239	-0.109	+0.034
4		16.65—16.9	-0.254	-0.058	+0.124	+0.086	16 48	-0.260	-0.125	+0.020
4		19.9 —20.1	-0.257	-0.038	+0.087	+0.089	20 0	-0.260	-0.091	+0.020
4	M.	1.7 — 1.9	-0.247	-0.012	+0.057	+0.069	1 25—1 30	-0.244	-0.055	+0.033
4		8.5 — 9.5	-0.235	-0.025	+0.043	+0.134	8 55—10 10	-0.230	-0.076	+0.034
5		9.75—10.3	-0.252	-0.045	+0.039	+0.108				
5		17.0 —17.8	-0.236	-0.058	+0.053	+0.052	17 10—19 45	-0.234	-0.064	+0.002
5		19.2 —19.4	.....	-0.023	+0.043	+0.056				
5	L.	1.2 — 1.7	-0.233	+0.006	+0.070	+0.083	1 25—1 30	-0.230	-0.053	+0.055
6		8.8 — 9.3	-0.232	-0.009	+0.043	+0.136	9 0—10 15	-0.216	-0.062	+0.060
6		10.3 .....	.....	-0.008	.....	.....		
6		13.2 —13.7	-0.225	-0.008	+0.062	+0.049	13 25—13 30	-0.228	-0.051	+0.026
6		16.9 —17.1	-0.242	-0.027	+0.046	+0.072	17 20—20 10	-0.236	-0.052	+0.034
6		19.3 —19.8	-0.240	+0.006	+0.060	+0.066				
9	L.	9.4 — 9.7	-0.239	-0.011	+0.062	+0.104	9 10—9 20	-0.228	-0.065	+0.052
9		12.8 —13.1	-0.215	+0.004	+0.058	+0.053	12 40—13 30	-0.216	-0.042	+0.037
9		17.1 —17.5	-0.204	-0.005	+0.033	+0.020	17 20—18 55	-0.211	-0.029	+0.022
9		18.6 —19.0	.....	+0.017	+0.068	+0.029				
10	P.	13.7 —13.8	-0.237	-0.024	+0.080	+0.067	13 25—13 30	-0.240	-0.075	+0.025
10		17.0 —17.2	-0.241	-0.023	+0.070	+0.095	17 20—18 55	-0.234	-0.070	+0.033
10		19.1 —19.3	-0.228	-0.013	+0.081	+0.056				
10	L.	1.2 — 1.8	-0.200	+0.025	+0.049	+0.076	1 25—1 30	-0.193	-0.028	+0.064
11		9.5 — 9.7	-0.208	+0.021	+0.075	+0.069	9 20—10 45	-0.210	-0.042	+0.059
11		10.9 .....	.....	+0.022	.....	.....		
11		13.7 —13.8	-0.255	-0.018	+0.056	+0.053	13 25—14 15	-0.256	-0.054	+0.019
11		17.0 —17.8	-0.226	-0.026	+0.059	+0.048	17 20—19 5	-0.221	-0.048	+0.017
11		19.2 —19.3	-0.226	-0.018	+0.019	+0.067				
11	P.	9.0 — 9.3	-0.228	-0.009	+0.058	+0.072	9 20—9 30	-0.224	-0.054	+0.037
12		13.8 —14.0	-0.223	-0.016	+0.079	+0.042	13 25—13 30	-0.233	-0.063	+0.018
12		16.7 —17.0	-0.235	-0.046	+0.069	+0.078	17 10—18 55	-0.228	-0.073	+0.017
12		19.1 —19.3	-0.223	-0.021	+0.059	+0.062				
13	L.	9.7 — 9.8	-0.233	-0.037	+0.063	+0.088	9 25—9 35	-0.227	-0.078	+0.024
13		15.9 —16.1	-0.225	-0.043	+0.051	+0.055	15 45—19 0	-0.222	-0.058	+0.008
13		18.9 —19.1	-0.212	-0.011	+0.063	+0.036				
16	P.	13.75—14.0	-0.235	-0.041	+0.082	+0.062	13 25—13 30	-0.240	-0.085	+0.009
16		17.0 —17.2	-0.236	-0.040	+0.061	+0.078	17 20—18 55	-0.229	-0.066	+0.020
16		19.4 —19.5	-0.227	-0.018	+0.056	+0.061				
18	P.	10.0 —10.2	-0.231	-0.013	+0.067	+0.072	9 45—9 50	-0.230	-0.062	+0.035
18		11.65—11.8	-0.224	-0.012	+0.072	+0.058	11 20—11 25	-0.228	-0.061	+0.029
18		13.75—13.9	-0.224	-0.005	+0.058	+0.042	13 25—13 30	-0.228	-0.045	+0.024
18		17.1 —17.3	-0.223	-0.022	+0.072	+0.045	17 20—20 15	-0.228	-0.062	+0.024
18		20.6 —20.8	-0.229	-0.013	+0.067	+0.075				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910										
Aug. 19	L.	^h 10.0 — ^h 10.3	^s -0.219	^s -0.009	[°] +0.087	[°] +0.068	^h 9 50 — ^m 9 55	^s -0.224	[°] -0.070	^s +0.038
19		16.9 — 17.2	-0.213	-0.014	+0.062	+0.045	17 20 — 19 5	-0.215	-0.047	+0.021
19		18.9 — 19.2	.....	-0.004	+0.052	+0.038				
19		20.8 — 21.8	-0.213	-0.001	+0.060	+0.064	20 50 — 21 40	-0.215	-0.047	+0.030
19	P.	9.5 — 9.7	-0.223	+0.022	+0.074	+0.023	9 50 — 10 0	-0.237	-0.032	+0.036
20		12.5 — 12.7	-0.238	-0.003	+0.044	+0.026	11 25 — 13 30	-0.243	-0.032	+0.016
20		17.0 — 17.2	-0.220	-0.028	+0.062	+0.029	17 20 — 22 30	-0.229	-0.052	+0.009
20		19.6 — 19.8	-0.220	-0.015	+0.045	+0.036				
20		22.3 — 22.6	-0.240	-0.027	+0.045	+0.059				
21	L.	22.3 — 22.8	-0.194	+0.014	+0.050	+0.019	22 35 — 1 30	-0.204	-0.026	+0.034
21		1.1 — 1.6	-0.195	+0.026	+0.067	+0.028				
22	P.	9.9 — 10.25	-0.229	-0.010	+0.011	+0.082	10 0 — 10 5	-0.210	-0.030	+0.036
22		11.9 — 12.1	-0.229	-0.012	+0.056	+0.031	11 35 — 11 40	-0.236	-0.030	+0.033
22		17.0 — 17.3	-0.231	-0.026	+0.065	+0.041	17 20 — 18 55	-0.230	-0.050	+0.015
22		19.0 — 19.2	-0.219	-0.005	+0.049	+0.039				
22		0.05 — 0.6	-0.214	-0.019	+0.052	+0.023	0 15 — 1 50	-0.224	-0.050	+0.012
22		2.1 — 2.3	-0.214	-0.004	+0.081	+0.030				
23	L.	10.2 — 10.4	-0.201	+0.013	+0.078	+0.033	10 5 — 10 10	-0.213	-0.043	+0.036
23		17.0 — 17.3	-0.218	-0.030	+0.053	+0.008	17 20 — 18 55	-0.227	-0.049	-0.006
23		18.6 — 19.0	.....	-0.024	+0.050	+0.028				
23		0.0 — 0.5	-0.216	-0.017	+0.048	+0.018	0 0 — 1 50	-0.218	-0.046	+0.010
23		1.7 — 2.1	-0.207	-0.011	+0.061	+0.039				
24	P.	9.8 — 10.0	-0.246	-0.037	+0.068	+0.069				
24		17.0 — 17.2	-0.239	-0.054	+0.086	+0.065	17 20 — 18 55	-0.240	-0.084	+0.004
24		19.0 — 19.2	-0.218	-0.022	+0.096	+0.026				
24		0.9 — 1.1	-0.237	-0.048	+0.048	+0.049	1 25 — 1 30	-0.237	-0.067	-0.007
25	L.	10.1 — 10.5	-0.242	-0.050	+0.075	+0.102	10 10 — 10 20	-0.235	-0.095	+0.022
25		17.0 — 17.1	-0.240	-0.069	+0.066	+0.055	17 30 — 18 55	-0.243	-0.084	-0.016
25		18.8 — 19.0	.....	-0.056	+0.058	+0.046				
26	P.	1.8 — 2.1	-0.216	+0.007	+0.040	+0.039	1 25 — 4 0	-0.214	-0.026	+0.024
26		4.2 — 4.4	-0.199	+0.011	+0.053	+0.008				
27	L.	10.1 — 10.5	-0.192	+0.030	+0.018	+0.043	10 20 — 10 25	-0.186	0.000	+0.047
27		17.2 — 17.8	-0.194	+0.007	+0.025	+0.019	17 20 — 18 55	-0.194	-0.008	+0.031
27		18.8 — 19.0	.....	+0.030	+0.027	+0.034				
27		1.1 — 1.9	-0.181	+0.043	+0.029	+0.023	1 15 — 3 40	-0.188	+0.010	+0.049
27		3.8 — 4.1	-0.190	+0.054	+0.029	+0.013	4 20 — 5 55	-0.200	+0.002	+0.049
27		6.0 — 6.1	-0.185	+0.051	+0.078	-0.003				
30	L.	10.6 — 10.8	-0.220	-0.034	+0.016	+0.036	10 30 — 10 35	-0.215	-0.038	-0.007
30		13.6 — 14.0	-0.205	-0.034	+0.021	-0.001	13 25 — 13 30	-0.211	-0.033	-0.025
30		17.0 — 17.2	-0.198	-0.039	+0.035	+0.023	17 20 — 19 0	-0.203	-0.041	-0.016
30		18.8 — 19.1	.....	-0.027	+0.030	+0.002				
30	P.	5.0 — 5.2	-0.192	-0.023	+0.053	+0.023	5 25 — 5 55	-0.200	-0.049	0.000
Sept 5	P.	5.2 — 5.55	-0.258	-0.057	+0.092	+0.071	5 20 — 6 5	-0.263	-0.103	+0.003
5		10.5 — 10.7	-0.258	-0.050	+0.073	+0.083				
6		12.7 — 12.95	-0.286	-0.088	+0.067	+0.095	13 25 — 13 30	-0.279	-0.116	-0.014
6		17.15 — 17.45	-0.290	-0.103	+0.082	+0.086	17 12	-0.282	-0.129	-0.026
6		19.7 — 19.85	-0.269	-0.045	+0.095	+0.071	19 45	-0.282	-0.097	+0.012
6	M.	4.9 — 5.2	-0.234	-0.034	+0.087	+0.060	5 20 — 6 20	-0.238	-0.077	+0.019
6		6.1 — 6.4	.....	-0.024	+0.074	+0.067				
6		10.5 — 10.7	-0.237	-0.036	+0.047	+0.074	11 0 — 11 5	-0.236	-0.072	+0.008
7		13.3 — 13.6	-0.259	-0.062	+0.058	+0.039	12 30 — 12 35	-0.252	-0.072	-0.009
7		17.0 — 17.5	-0.256	-0.069	+0.042	+0.037	13 55 — 14 0	-0.264	-0.072	-0.022
7		18.6 — 18.8	.....	-0.060	+0.026	+0.032	17 20 — 18 55	-0.256	-0.067	-0.028

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910										
Sept. 7	P.	h h 5.0 — 5.2	s -0.230	■ -0.018	s +0.075	■ +0.029	h m h m 5 20— 6 20	s -0.236	s -0.054	■ +0.022
7		6.55— 6.7	-0.222	+0.004	+0.077	+0.045				
8		10.6 —10.85	-0.230	-0.014	+0.046	+0.053	11 0—11 10	-0.228	-0.047	+0.022
8		12.8 —13.0	-0.233	-0.038	+0.042	+0.056	12 30—12 35	-0.229	-0.059	+0.005
							12 54	-0.229	-0.058	+0.005
8		15.0 —15.2	-0.264	-0.054	+0.031	+0.030	15 6	-0.264	-0.058	-0.023
8		17.1 —17.2	-0.248	-0.064	+0.029	+0.036	17 20—19 15	-0.246	-0.069	-0.029
8		19.45—19.6	-0.243	-0.066	+0.047	+0.031				
8	M.	10.9 —11.4	-0.238	-0.047	+0.052	+0.092				
9	P.	5.1 — 5.3	-0.194	-0.019	+0.048	+0.037	5 20— 6 20	-0.194	-0.042	+0.004
9		6.6 — 6.8	-0.175	-0.008	+0.060	-0.002				
9		10.8 —11.0	-0.185	+0.024	+0.028	+0.093	11 10—11 15	-0.185	-0.032	+0.057
10		16.0 —16.2	-0.210	-0.010	+0.064	+0.020	16 20—19 15	-0.213	-0.034	+0.008
10		19.3 —19.45	-0.208	-0.011	+0.013	+0.029				
12	P.	11.5 —11.7	-0.217	-0.030	+0.006	+0.133	11 15—12 35	-0.218	-0.044	+0.010
12		12.85—13.1	-0.226	-0.018	+0.019	+0.049				
12		17.0 —17.2	-0.248	-0.060	+0.019	+0.011	17 20—19 15	-0.236	-0.043	-0.024
12		19.4 —19.55	-0.224	-0.029	+0.021	+0.023				
12	M.	5.0 — 5.2	-0.223	-0.027	+0.018	-0.001	5 20— 6 20	-0.224	-0.032	-0.009
12		6.1 — 6.4	.....	-0.024	+0.026	+0.034				
12		11.3 —11.6	-0.232	-0.036	+0.020	+0.045	11 20—11 25	-0.226	-0.044	-0.003
14	P.	11.3 —11.7	-0.230	-0.029	+0.018	+0.072	11 25—11 30	-0.216	-0.044	+0.016
14	M.	5.2 — 5.5	.....	+0.040	+0.052	+0.017	5 20— 6 20	-0.188	-0.036	+0.033
14		6.4 — 6.5	-0.182	-0.008	+0.058	+0.054				
15		11.7 —11.9	-0.158	+0.022	+0.061	+0.071	11 25—11 35	-0.155	-0.035	+0.060
15		17.0 —17.6	-0.166	-0.002	+0.039	-0.012	17 20—18 55	-0.171	-0.012	-0.001
15		19.0 —19.1	.....	-0.005	-0.007	+0.014	20 5—21 30	-0.171	+0.002	-0.001
15		20.6 —21.5	-0.170	+0.004	-0.003	-0.008				
15	P.	5.0 — 5.3	-0.175	+0.002	+0.015	+0.014	5 6	-0.170	-0.018	+0.011
15		6.6 — 6.8	-0.153	+0.034	+0.073	+0.029	6 42	-0.170	-0.013	+0.049
16		11.4 —11.85	-0.173	+0.042	+0.026	+0.046	11 30—11 40	-0.168	+0.002	+0.060
16		16.95—17.2	-0.197	-0.010	-0.016	-0.013	17 20—22 0	-0.190	+0.004	-0.012
16		19.5 —19.7	-0.193	-0.022	-0.027	+0.013				
16		22.2 —22.4	-0.194	-0.002	-0.018	-0.005				
17	L.	11.7 —12.0	-0.187	+0.014	+0.009	-0.009	11 35—11 40	-0.192	+0.006	+0.007
17		17.1 —17.5	-0.197	-0.038	-0.010	-0.055	17 12	-0.204	-0.003	-0.059
17		20.2 —20.5	-0.202	-0.024	-0.015	-0.014	20 24	-0.204	-0.003	-0.023
17		23.1 —23.5	.....	-0.006	-0.007	-0.002	23 18	-0.204	-0.003	-0.007
20	L.	11.6 —11.9	-0.207	-0.044	-0.007	+0.014				
20		17.2 —17.8	-0.230	-0.084	-0.023	-0.016	17 20—18 55	-0.228	-0.030	-0.072
20		18.6 —19.0	.....	-0.069	-0.025	-0.021				
20		0.6 — 1.1	-0.239	-0.062	+0.001	+0.006	0 40— 2 35	-0.234	-0.036	-0.036
20		2.5 — 2.7	.....	-0.051	-0.013	+0.023				
20	M.	5.0 — 5.3	-0.232	-0.054	-0.004	+0.009	5 20— 6 20	-0.230	-0.036	-0.039
20		6.2 — 6.4	.....	-0.056	+0.001	+0.008				
20		11.5 —11.7	-0.239	-0.069	-0.038	+0.049	11 50—11 55	-0.223	-0.038	-0.037
21		2.0 — 3.6	-0.223	-0.061	-0.016	-0.017	1 45— 4 15	-0.223	-0.024	-0.056
21		3.8 — 3.9	.....	-0.058	-0.018	-0.019				
21	L.	4.9 — 5.2	-0.229	-0.066	-0.037	-0.006	5 20— 6 20	-0.222	-0.016	-0.060
21		6.2 — 6.4	.....	-0.063	-0.042	-0.018				
21		11.6 —11.7	-0.210	-0.041	-0.013	+0.065	11 50—12 0	-0.196	-0.037	-0.005
22		17.5 —17.8	-0.226	-0.098	-0.015	+0.044	17 20—19 5	-0.210	-0.050	-0.056
22		18.8 —19.1	.....	-0.082	-0.034	+0.022				
22		1.6 — 2.1	-0.204	-0.045	-0.014	-0.004	1 45— 4 15	-0.199	-0.009	-0.030
22		3.8 — 3.9	.....	-0.023	-0.029	0.000				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1910		h h	s	s	s	s	h m h m	s	s	s
Sept. 22	M.	4.9 — 5.3	-0.194	-0.012	+0.008	+0.007	5 20— 6 5	-0.196	-0.008	-0.014
22		6.2 — 6.4	.....	-0.018	-0.007	-0.019				
23		12.2 —12.3	-0.175	-0.008	-0.028	-0.001	11 55—12 5	-0.168	+0.010	-0.010
24	M.	4.4 — 5.2	-0.220	-0.037	+0.001	-0.001	4 5— 6 20	-0.220	-0.027	-0.032
24		6.2 — 6.5	.....	-0.046	-0.001	+0.006				
25	M.	4.5 — 5.2	-0.222	-0.050	+0.011	+0.013	4 10— 6 50	-0.221	-0.044	-0.038
25		6.4 — 6.5	.....	-0.067	+0.008	+0.013				
25		11.6 —11.9	-0.226	-0.059	-0.054	+0.040	12 5—12 15	-0.226	-0.032	-0.050
26		17.1 —17.5	-0.245	-0.075	+0.013	-0.005	17 20—18 55	-0.243	-0.046	-0.059
26		18.4 —18.6	.....	-0.080	-0.023	+0.010				
26	P.	1.7 — 2.1	-0.224	-0.051	+0.035	+0.028	1 45— 5 0	-0.223	-0.052	-0.017
26		4.9 — 5.25	-0.219	-0.037	+0.024	+0.019	5 20— 7 55	-0.209	-0.052	-0.017
26		7.7 — 8.0	-0.191	-0.041	+0.049	+0.023				
26		11.8 —12.0	-0.223	-0.069	+0.027	+0.071	12 10—12 15	-0.211	-0.074	-0.013
27		17.0 —17.2	-0.252	-0.091	+0.004	0.000	17 20—18 55	-0.255	-0.068	-0.074
27		19.1 —19.2	-0.255	-0.104	+0.014	+0.007				
27	L.	4.8 — 5.2	-0.229	-0.065	+0.003	+0.012	5 20— 8 50	-0.222	-0.046	-0.030
27		8.4 — 9.1	-0.223	-0.048	+0.014	+0.039				
28		11.8 —12.1	-0.216	-0.048	-0.042	+0.003	12 15—12 20	-0.204	-0.007	-0.041
28		16.9 —17.1	-0.229	-0.085	-0.047	-0.011	17 3	-0.218	-0.028	-0.077
28		18.7 —19.0	-0.232	-0.076	-0.039	+0.026	18 54	-0.218	-0.028	-0.050
28	M.	5.2 — 5.3	.....	.....	+0.052	+0.045	5 20— 6 20	-0.175	-0.033	+0.035
28		6.2 — 6.7	-0.172	+0.011	+0.055	+0.038				
28		9.9 —10.4	.....	+0.025	+0.017	+0.076	9 45— 9 50	-0.174	-0.010	+0.061
28		12.0 —12.3	-0.173	+0.014	+0.029	+0.036	12 15—12 25	-0.171	-0.015	+0.032
30	P.	12.6 —12.75	-0.200	+0.029	+0.003	+0.040	12 20—12 30	-0.190	+0.007	+0.044
Oct. 1	L.	12.4 —12.8	-0.231	-0.016	-0.037	+0.054	12 25—12 30	-0.231	-0.016	-0.007
1		16.9 —17.2	-0.287	-0.094	-0.017	+0.025	17 20—19 30	-0.265	-0.054	-0.052
1		19.1 —19.4	-0.268	-0.081	-0.011	+0.043				
2	M.	5.1 — 5.3	.....	+0.028	+0.018	-0.004	5 20— 6 20	-0.158	+0.018	+0.020
2		6.2 — 6.7	-0.154	+0.033	-0.009	-0.011				
2		12.2 —12.4	-0.175	+0.037	-0.031	-0.036	11 45—12 40	-0.176	+0.049	+0.007
3	P.	5.05— 5.3	-0.215	-0.037	-0.012	+0.015	5 25— 6 20	-0.202	-0.011	-0.008
3		6.6 — 6.8	-0.192	+0.008	+0.013	-0.006				
4		12.3 —12.5	-0.217	-0.026	-0.049	0.000				
4		17.0 —17.2	-0.228	-0.051	+0.023	-0.022	17 35—18 55	-0.234	-0.028	-0.050
4		19.0 —19.2	-0.225	-0.046	-0.010	-0.025				
4	L.	4.8 — 5.2	-0.230	-0.052	-0.016	+0.011	5 0— 6 20	-0.220	-0.024	-0.037
4		6.5 — 6.6	.....	-0.056	-0.029	+0.015				
4		11.9 —12.2	-0.208	-0.037	+0.027	+0.010	11 45—12 45	-0.214	-0.030	-0.030
5		12.8 —13.0	.....	.....	+0.006	-0.023				
5		17.0 —17.2	-0.249	-0.094	+0.003	+0.015	17 20—18 55	-0.242	-0.051	-0.071
5		18.5 —18.7	.....	-0.094	-0.038	0.000				
6	M.	17.2 —17.5	.....	-0.105	-0.001	+0.038	17 20—18 55	-0.240	-0.072	-0.065
6		18.4 —18.65	-0.245	-0.096	+0.012	+0.010				
9	M.	4.5 — 4.9	-0.194	+0.069	.....	+0.032	5 0— 6 20	-0.184	+0.010	+0.082
9		6.3 — 6.8	-0.181	+0.065	+0.045	+0.068				
9		12.6 —12.8	-0.167	+0.082	+0.036	+0.078	12 55—13 5	-0.156	+0.014	+0.108
10		17.2 —17.8	-0.162	+0.035	+0.026	+0.036	17 20—20 10	-0.171	+0.002	+0.044
10		18.9 .....	.....	+0.034	.....	.....		
10		19.9 —20.3	-0.174	+0.040	+0.035	+0.004				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910		h h	°	s	s	s	h m h m	°	s	s
Oct. 10	P.	4.7 — 4.9	-0.177	+0.058	+0.009	+0.042	5 0— 6 20	-0.174	+0.025	+0.054
10		6.75— 6.9	-0.169	+0.059	+0.025	-0.019				
10		12.5 —12.7	-0.183	+0.050	+0.038	+0.095	12 0—13 10	-0.168	-0.015	+0.086
10		13.0 .....	.....	+0.036	.....	.....		
11		17.05—17.3	-0.245	+0.019	+0.032	-0.031	17 9	-0.226	+0.003	+0.006
11		17.55	-0.205	.....	.....	.....	
11		19.2 —19.4	-0.220	-0.034	-0.034	-0.019	19 18	-0.226	+0.003	-0.039
11		21.4 —21.6	-0.221	-0.021	-0.000	-0.023	19 40—21 20	-0.226	-0.004	-0.034
11	L.	4.8 — 5.2	-0.203	+0.009	-0.032	-0.019	5 0— 6 20	-0.200	+0.030	-0.005
11		6.5 — 6.6	.....	+0.015	-0.029	-0.023				
12		12.7 —12.9	-0.229	-0.021	-0.060	+0.029	13 5—13 10	-0.206	+0.013	-0.008
12		17.5 —17.7	-0.225	-0.066	-0.075	-0.042	17 20—21 20	-0.220	+0.014	-0.074
12		20.9 —21.4	-0.248	-0.067	-0.103	-0.010				
12	M.	12.3 —12.6	-0.171	+0.029	-0.014	+0.016	12 5—13 15	-0.163	+0.022	+0.030
13		17.4 —18.6	-0.165	+0.011	+0.005	+0.001	17 33	-0.161	+0.004	+0.006
13		20.2 —20.25	.....	+0.015	-0.041	-0.010	20 12	-0.161	+0.035	+0.006
13	P.	5.0 — 5.2	-0.179	+0.022	-0.034	-0.016	5 20— 7 0	-0.172	+0.042	+0.012
13		7.3 — 7.5	-0.174	+0.041	-0.032	-0.018				
13		12.55—12.9	-0.194	+0.021	-0.007	+0.038	12 10—13 20	-0.182	+0.005	+0.031
13		13.2 .....	.....	+0.009	.....	.....		
14		17.0 —17.2	-0.232	-0.004	-0.077	-0.051	17 20—18 55	-0.220	+0.044	-0.048
14		20.3 —20.5	-0.211	-0.018	-0.056	-0.072	21 15—23 10	-0.214	+0.033	-0.046
14		23.3 —23.5	-0.214	-0.010	-0.048	-0.044				
14	M.	12.5 —12.8	-0.211	-0.024	-0.081	-0.035	12 15—13 25	-0.199	+0.037	-0.045
15		17.1 —17.6	-0.224	-0.047	-0.058	-0.080	17 20—18 55	-0.238	+0.013	-0.100
15		18.6 —18.7	.....	-0.064	-0.037	-0.116				
15		21.9 —23.1	-0.232	-0.055	-0.074	-0.054	22 0— 0 15	-0.229	+0.020	-0.086
15		23.5 —23.75	.....	-0.059	-0.074	-0.074				
16	P.	23.8 — 0.0	-0.239	-0.054	-0.049	-0.041	0 5— 2 40	-0.238	+0.010	-0.066
16		2.8 — 3.0	-0.242	-0.042	-0.060	-0.048				
16	M.	12.6 —12.8	-0.198	+0.005	-0.088	-0.014	12 25—13 30	-0.185	+0.051	-0.018
17		17.1 —17.5	-0.205	-0.036	-0.047	-0.057	17 20—18 55	-0.208	+0.020	-0.070
17		18.6 —18.8	.....	-0.040	-0.056	-0.074				
17		0.1 — 0.9	-0.206	-0.002	-0.062	-0.048	0 40— 2 15	-0.208	+0.046	-0.032
17		1.9 — 2.3	.....	+0.011	-0.043	-0.068				
17	P.	5.0 — 5.2	-0.189	+0.046	-0.070	-0.028	5 6	-0.177	+0.074	+0.018
17		7.3 — 7.5	-0.186	+0.033	-0.037	+0.001	7 24	-0.177	+0.041	+0.018
17		12.85—13.15	-0.166	+0.062	-0.020	+0.005	12 30—13 35	-0.160	+0.047	+0.046
17		13.35 .....	.....	+0.056	.....	.....		
18		17.05—17.2	-0.207	+0.011	-0.021	-0.051	17 20—18 55	-0.212	+0.032	-0.024
18		19.0 —19.1	.....	+0.005	-0.033	-0.054				
18		22.65—22.9	-0.203	-0.002	-0.055	-0.043	23 0— 2 10	-0.196	+0.050	-0.020
18		1.9 — 2.4	-0.188	+0.034	-0.044	-0.064				
18	L.	12.9 —13.3	-0.200	+0.027	-0.055	-0.041	12 40—12 45	-0.196	+0.056	-0.006
20	M.	1.9 — 2.4	-0.197	-0.011	-0.063	-0.056	1 45— 4 15	-0.194	+0.044	-0.042
20		3.8 — 4.1	.....	-0.005	-0.067	-0.052				
20	P.	5.0 — 5.25	-0.202	-0.016	-0.079	-0.054	5 20— 7 0	-0.198	+0.042	-0.047
20		7.3 — 7.5	-0.195	-0.006	-0.048	-0.067				
20		13.15—13.35	-0.203	-0.007	-0.046	-0.039	12 50—13 45	-0.201	+0.028	-0.032
21		13.9 .....	.....	-0.012	.....	.....		
22	L.	13.6 —14.1	-0.201	+0.030	-0.039	-0.008	13 40—13 50	-0.192	+0.043	+0.015
22		17.5 —17.7	-0.185	+0.043	-0.037	-0.007	17 20—19 10	-0.177	+0.054	+0.025
22		19.4 .....	.....	+0.044	-0.055	-0.009				
22		22.4 —22.8	-0.181	+0.082	-0.022	-0.017	22 0—22 5	-0.177	+0.064	+0.038
							22 35—23 25	-0.177	+0.061	+0.058
22		0.2 — 0.3	.....	+0.082	-0.004	-0.002	0 40— 2 55	-0.177	+0.047	+0.074
22		2.5 — 3.1	-0.168	+0.110	+0.055	-0.009				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910		h h	s	°	° s	s	h m h m	s	s	°
Oct. 22	P.	4.7 — 4.9	-0.168	+0.110	+0.063	+0.043	4 55— 6 30	-0.176	+0.015	+0.110
22		6.75— 7.1	-0.187	+0.075	+0.045	+0.079				
23	M.	2.0 — 2.8	-0.156	+0.126	+0.035	+0.056	2 5— 5 0	-0.156	+0.025	+0.134
23		4.8 — 5.1	.....	+0.114	+0.084	+0.077	5 20— 7 35	-0.156	+0.025	+0.124
23		5.9 — .....	.....	+0.114	.....	.....		
23		6.5 — 7.0	-0.149	+0.113	+0.081	+0.027				
23		13.6 —14.1	-0.146	+0.119	+0.043	+0.085	13 50—13 55	-0.135	+0.032	+0.141
24		17.0 —17.4	-0.146	+0.114	+0.020	-0.006	17 35—19 0	-0.151	+0.060	+0.086
24		18.6 —18.75	.....	+0.105	+0.014	+0.001				
24	P.	1.7 — 1.9	-0.147	+0.104	+0.016	-0.012	1 45— 5 0	-0.158	+0.052	+0.077
24		4.8 — 5.25	-0.153	+0.100	+0.032	-0.001	5 20— 8 35	-0.166	+0.038	+0.077
24		8.05— 8.3	-0.166	+0.080	+0.030	+0.014				
25	L.	2.0 — 2.3	-0.139	+0.121	-0.003	-0.019	1 45— 6 25	-0.145	+0.070	+0.093
25		6.2 — 6.6	-0.144	+0.118	+0.020	+0.016	7 0— 9 40	-0.145	+0.058	+0.104
25		9.2 — .....	.....	+0.121	+0.029	+0.016				
26		13.5 —13.8	-0.135	+0.127	+0.038	+0.046	13 20—14 5	-0.133	+0.048	+0.126
26		18.2 —18.7	-0.159	+0.043	+0.019	+0.026	17 35—19 10	-0.157	+0.011	+0.049
26	M.	5.0 — 5.2	.....	+0.078	+0.008	-0.012	5 20— 6 20	-0.150	+0.054	+0.063
26		6.5 — 6.8	-0.149	+0.085	-0.011	+0.007				
26		10.5 —10.6	-0.147	+0.095	+0.013	-0.010	10 20—10 25	-0.150	+0.054	+0.070
27	P.	11.0 —11.35	-0.168	+0.096	+0.046	+0.034	11 10—11 15	-0.159	+0.027	+0.097
27		13.5 —13.9	-0.158	+0.098	+0.030	+0.069	13 30—14 10	-0.159	+0.030	+0.116
28		17.1 —17.3	-0.170	+0.086	+0.025	+0.032	17 35—20 45	-0.165	+0.026	+0.090
28		21.0 —21.2	-0.164	+0.082	+0.040	+0.049	21 6	-0.161	+0.028	+0.093
28		23.95— 0.15	-0.146	+0.142	+0.081	+0.028	0 3	-0.161	+0.028	+0.134
28							0 3	-0.152	+0.036	+0.134
28		3.2 — 3.4	-0.139	+0.168	+0.098	+0.077	3 18	-0.152	+0.036	+0.182
28	L.	4.8 — 5.2	-0.140	+0.161	+0.114	+0.129	5 0	-0.133	+0.009	+0.205
28		7.6 — 8.0	.....	+0.158	+0.167	+0.209	7 48	-0.133	-0.040	+0.249
28		11.6 —12.0	-0.143	+0.149	+0.244	+0.265	11 55—12 0	-0.134	-0.101	+0.280
28		13.7 —13.9	-0.137	+0.146	+0.263	+0.289				
29		17.2 —17.8	-0.111	+0.149	+0.257	+0.264	17 35—20 15	-0.116	-0.104	+0.275
29		19.7 —20.1	-0.119	+0.150	+0.254	+0.243				
30	M.	5.0 — 5.9	-0.110	+0.151	+0.276	+0.243	5 20— 8 15	-0.118	-0.113	+0.276
30		7.2 — 7.3	.....	+0.152	+0.275	+0.253				
30		13.6 —14.0	-0.088	+0.164	+0.249	+0.210	13 50—14 25	-0.099	-0.083	+0.263
31		17.2 —18.7	-0.133	+0.117	+0.169	+0.155	17 21	-0.140	-0.053	+0.190
31		19.3 —19.4	.....	+0.104	+0.161	+0.124	19 21	-0.140	-0.053	+0.162
31	P.	5.0 — 5.2	-0.139	+0.098	+0.146	+0.140	5 20— 8 15	-0.140	-0.046	+0.158
31		7.7 — 8.0	-0.148	+0.082	+0.110	+0.141				
31		13.9 —14.2	-0.139	+0.116	+0.130	+0.147	14 20—14 30	-0.135	-0.032	+0.180
Nov. 1	M.	4.9 — 6.0	-0.130	+0.052	+0.046	+0.053	5 20— 8 15	-0.130	-0.004	+0.076
1		5.2 — .....	.....	+0.043	.....	.....		
1		7.4 — 7.5	.....	+0.065	+0.052	+0.047				
4	L.	4.9 — 5.2	-0.118	+0.137	+0.251	+0.231	5 20— 5 55	-0.122	-0.102	+0.257
4		6.5 — 6.7	-0.120	+0.140	+0.240	+0.240				
5		14.4 —14.9	-0.112	+0.132	+0.199	+0.198	14 35—14 45	-0.112	-0.071	+0.227
6	M.	4.9 — 5.2	.....	+0.115	+0.162	+0.147	5 20— 6 20	-0.108	-0.054	+0.196
6		6.0 — 6.4	-0.100	+0.138	+0.196	+0.156				
7		19.4 — .....	.....	+0.135	+0.237	+0.184	18 55—20 25	-0.097	-0.084	+0.239
7		20.6 —20.75	-0.088	+0.149	+0.230	+0.214				
7	P.	14.2 —14.45	-0.110	+0.142	+0.243	+0.231	14 40—14 45	-0.116	-0.091	+0.245
8		17.3 —17.5	-0.140	+0.092	+0.133	+0.145	14 50—14 55	-0.117	-0.089	+0.241
8		20.7 —20.9	-0.132	+0.089	+0.124	+0.136	17 35—20 25	-0.135	-0.046	+0.158
8		23.5 —23.75	-0.126	+0.109	+0.179	+0.127	21 0—23 25	-0.135	-0.051	+0.162

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1910		h h	s	s	s	s	h m h m	s	s	s
Nov. 8	L.	4.9 — 5.2	-0.108	+0.128	+0.171	+0.167	5 0	-0.104	-0.044	+0.205
8		7.5 — 7.6	-0.106	+0.155	+0.166	+0.195	7 36	-0.104	-0.044	+0.239
9		14.5 — 14.7	-0.123	+0.116	+0.156	+0.212	14 50—15 0	-0.108	-0.061	+0.218
9		19.6 — 19.9	-0.134	+0.073	+0.101	+0.092	19 45—22 40	-0.132	-0.032	+0.122
9		22.2 — 22.4	-0.128	+0.079	+0.105	+0.109				
11	P.	15.25—15.5	-0.121	+0.107	+0.088	+0.036	15 0—15 10	-0.135	+0.010	+0.111
11		21.2 — 21.4	-0.133	+0.094	+0.078	+0.073	21 18	-0.134	+0.001	+0.120
11		0.2 — 0.4	-0.121	+0.133	+0.098	+0.067	0 18	-0.134	+0.001	+0.147
11		3.0 — 3.2	-0.155	+0.118	+0.092	+0.151	3 6	-0.134	+0.001	+0.181
11	L.	4.9 — 5.2	-0.120	+0.133	+0.127	+0.140	5 20— 8 10	-0.118	-0.019	+0.204
11		7.4 — 7.6	-0.110	+0.165	+0.167	+0.137				
12		14.8 — 15.0	-0.110	+0.168	+0.214	+0.224	15 5—15 10	-0.107	-0.063	+0.271
13	M.	15.1 — 15.5	-0.112	+0.112	+0.136	+0.171	15 10—15 20	-0.102	-0.043	+0.192
14	P.	5.0 — 5.2	-0.114	+0.099	+0.152	+0.142	5 20— 5 55	-0.117	-0.054	+0.167
15		15.5 — 15.7	-0.130	+0.102	+0.139	+0.166				
16	M.	3.4 — 3.5	.....	+0.123	+0.163	+0.163	3 35— 5 30	-0.110	-0.051	+0.199
16		5.1	-0.109	.....	.....	.....	
16		5.6 — 5.8	.....	+0.126	+0.171	+0.161				
17		15.7 — 15.8	-0.085	+0.154	+0.195	+0.144	15 25—15 30	-0.099	-0.044	+0.216
17		22.2 — 22.5	-0.107	+0.117	+0.176	+0.174	22 21	-0.107	-0.058	+0.200
17		1.4 — 1.7	-0.113	+0.148	+0.179	+0.205	1 30	-0.107	-0.058	+0.242
17	P.	4.25— 4.4	-0.131	+0.128	+0.186	+0.187	4 30— 8 10	-0.124	-0.070	+0.230
17		7.2 — 7.4	-0.120	+0.140	+0.207	+0.215				
18		15.45—16.0	-0.114	+0.154	+0.218	+0.277	15 30—15 50	-0.098	-0.086	+0.288
18		20.45—20.6	-0.109	+0.133	+0.205	+0.191	20 10—20 15	-0.113	-0.073	+0.224
19	L.	15.5 — 15.7	-0.096	+0.175	+0.253	+0.209	15 35—15 40	-0.108	-0.078	+0.272
19		21.2 — 21.9	-0.105	+0.148	+0.230	+0.214	21 0—22 10	-0.109	-0.083	+0.251
19	P.	1.45— 1.6	-0.114	+0.114	+0.230	+0.215	1 30	-0.116	-0.102	+0.225
19		4.95— 5.1	-0.123	+0.126	+0.222	+0.252	5 0	-0.116	-0.102	+0.253
							5 0	-0.116	-0.108	+0.253
19		7.6 — 7.8	-0.119	+0.148	+0.265	+0.283	7 42	-0.116	-0.108	+0.291
20	L.	1.6 — 2.2	-0.087	+0.178	+0.296	+0.308	1 15— 2 25	-0.084	-0.121	+0.331
20	M.	5.05— 6.0	-0.083	+0.181	+0.311	+0.270	5 20— 8 55	-0.092	-0.120	+0.325
20		7.9 — 9.0	-0.085	+0.190	+0.311	+0.296				
20		15.6	-0.044	.....	.....	.....	15 40—16 10	-0.068	-0.090	+0.357
21		15.9 .....	.....	+0.228	.....	.....		
21		16.2 — 16.4	-0.070	.....	+0.308	+0.279				
21	P.	4.9 — 5.1	-0.107	+0.126	+0.214	+0.261	5 20— 7 0	-0.096	-0.102	+0.266
21		6.85— 7.25	-0.088	+0.158	+0.275	+0.233				
22	L.	4.9 — 5.1	-0.089	+0.155	+0.236	+0.241	5 3	-0.086	-0.087	+0.270
22		8.3 — 8.5	.....	+0.166	+0.279	+0.287	8 24	-0.086	-0.114	+0.309
22		9.9 — 10.5	-0.079	+0.170	+0.319	+0.289	10 18	-0.086	-0.135	+0.317
22		15.6 — 16.0	-0.078	+0.204	+0.348	+0.291	15 50—15 55	-0.093	-0.130	+0.348
24	P.	8.25— 8.5	-0.109	+0.091	+0.159	+0.172	8 40—10 40	-0.108	-0.075	+0.184
24		11.65—11.9	-0.111	+0.097	+0.181	+0.184				
25	L.	4.9 — 5.2	-0.100	+0.107	+0.125	+0.168	5 20— 6 20	-0.095	-0.039	+0.185
25		9.5 — 9.7	-0.105	+0.119	+0.162	+0.178				
25		12.2 — 12.5	.....	+0.118	+0.152	+0.185	11 30—12 30	-0.095	-0.053	+0.204
26		15.9 — 16.4	-0.101	+0.138	+0.143	+0.129	16 5—16 40	-0.105	-0.022	+0.189
26		21.2 — 22.2	-0.095	+0.142	+0.153	+0.148	21 35—23 30	-0.092	-0.031	+0.218
26		23.2 — 23.5	.....	+0.153	+0.160	+0.184				
29	L.	4.8 — 5.1	-0.095	+0.180	+0.226	+0.216	5 20— 6 20	-0.091	-0.061	+0.277
29		9.4 — 9.7	-0.098	+0.191	+0.191	+0.244	10 5—11 15	-0.091	-0.042	+0.303
29		11.2 — 11.6	.....	+0.208	+0.213	+0.242				

TABLE XXI.—*The Constants c , b , a_n , and m —Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1910										
Dec. 1	P.	h h 5.0 — 5.2	s -0.111	s +0.161	s +0.279	s +0.307	h m h m 5 20—6 20	s -0.102	s -0.116	s +0.326
1		6.4 — 6.6	.....	+0.181	+0.278	+0.318				
2		16.4 — 16.8	-0.101	+0.179	+0.308	+0.307	16 30—16 35	-0.101	-0.128	+0.332
2		21.2 — 21.4	-0.125	+0.149	+0.290	+0.330	21 40—23 40	-0.104	-0.138	+0.324
2		23.9 — 0.1	-0.096	+0.169	+0.308	+0.314				
2	L.	9.8 — 10.2	-0.091	+0.203	+0.330	+0.333	10 5—11 30	-0.088	-0.130	+0.378
2		11.6 — 11.8	.....	+0.218	+0.337	+0.353				
3		16.7 — 17.0	-0.089	+0.207	+0.337	+0.364	16 35—17 30	-0.082	-0.138	+0.386
3		22.5 — 22.8	-0.101	+0.158	+0.305	+0.359	22 20—23 30	-0.092	-0.150	+0.342
3		3.8 — 4.3	-0.104	+0.178	+0.353	+0.343	3 54 — ..	-0.092	-0.158	+0.355
3		5.9 — 6.1	-0.085	+0.198	+0.358	+0.368	6 0 — ..	-0.092	-0.158	+0.384
7	L.	17.0 — 17.2	-0.111	+0.215	+0.426	+0.500	16 50—16 55	-0.092	-0.211	+0.471
7		18.0 — ..	.....	+0.199	.....	.....	17 50—17 55	-0.092	-0.223	+0.461
7		21.7 — 22.2	-0.108	+0.201	+0.407	+0.478	21 45—23 30	-0.093	-0.208	+0.446
7		23.4 — 23.6	.....	+0.198	+0.411	+0.472				
7		5.0 — 5.2	-0.114	+0.173	+0.387	+0.444	5 20—6 20	-0.093	-0.215	+0.421
7		6.0 — 6.2	.....	+0.178	+0.409	+0.485				
7	M.	10.5 — 11.0	-0.077	+0.242	+0.450	+0.449	10 20—11 30	-0.077	-0.198	+0.471
8		17.2 — 17.4	-0.045	+0.261	+0.505	+0.479	16 55—18 0	-0.052	-0.223	+0.507
8		21.9 — 22.2	-0.048	+0.232	+0.473	+0.436	22 20—0 0	-0.054	-0.198	+0.470
8		23.8 — 0.2	-0.042	+0.264	+0.451	+0.440				
8		4.9 — 5.2	-0.056	+0.249	+0.459	+0.442	5 20—6 20	-0.054	-0.196	+0.478
8		6.0 — 6.2	.....	+0.249	+0.450	+0.460				
8	P.	9.7 — 9.9	-0.073	+0.230	+0.482	+0.469	10 5—11 30	-0.076	-0.224	+0.486
8		11.8 — 12.0	-0.065	+0.257	+0.501	+0.465				
9		17.3 — 17.5	-0.075	+0.250	+0.534	+0.514	17 0—17 5	-0.080	-0.254	+0.520
9		22.9 — 23.1	-0.071	+0.223	+0.466	+0.493	23 20—1 50	-0.062	-0.233	+0.493
9		1.7 — 1.95	.....	+0.234	+0.481	+0.523				
9		4.9 — 5.2	-0.088	+0.217	+0.485	+0.536	5 0 — ..	-0.074	-0.248	+0.500
9		6.5 — 6.7	-0.054	+0.274	+0.524	+0.552	6 36 — ..	-0.047	-0.248	+0.557
10	L.	17.2 — 17.6	-0.068	+0.264	+0.560	+0.595	17 5—17 10	-0.058	-0.278	+0.576
11	P.	0.75 — 0.95	-0.043	+0.250	+0.527	+0.493	1 5—1 50	-0.051	-0.240	+0.508
11		3.3 — 3.4	.....	+0.258	+0.515	+0.488				
12		17.5 — 17.7	-0.073	+0.218	+0.456	+0.501	17 15—17 20	-0.061	-0.228	+0.479
12		18.6 — ..	.....	+0.232	.....	.....	18 25—18 30	-0.061	-0.217	+0.488
12		22.65 — 22.9	-0.041	+0.251	+0.474	+0.446	22 20—23 30	-0.055	-0.205	+0.479
12		1.9 — 2.3	-0.051	+0.246	+0.447	+0.433	2 0—4 35	-0.055	-0.200	+0.471
12		4.9 — 5.0	.....	+0.247	+0.474	+0.452	5 20—5 55	-0.055	-0.215	+0.476
12		6.55 — 6.7	-0.057	+0.230	+0.470	+0.468				
13	M.	2.5 — 2.9	-0.043	+0.235	+0.560	+0.514	3 0—6 20	-0.052	-0.264	+0.525
13		4.6 — 4.8	.....	+0.264	+0.543	+0.527				
13		6.0 — 6.25	.....	+0.258	+0.557	+0.511				
14	L.	3.1 — 3.6	-0.048	+0.226	+0.530	+0.508	3 25—6 20	-0.054	-0.260	+0.503
14		6.0 — 6.2	.....	+0.242	+0.527	+0.508				
14	M.	10.0 — 10.7	-0.060	+0.218	+0.479	+0.487	10 20—12 15	-0.056	-0.237	+0.480
14		11.6 — 11.8	.....	+0.225	+0.479	+0.497				
15		17.7 — 17.9	-0.053	+0.229	+0.447	+0.458	17 25—17 35	-0.050	-0.206	+0.464
15		4.7 — 6.1	-0.071	+0.216	+0.378	+0.432	4 51 — ..	-0.065	-0.171	+0.442
15		7.1 — 8.1	.....	+0.207	+0.472	+0.459	7 36 — ..	-0.065	-0.235	+0.442
16	P.	17.75 — 18.0	-0.081	+0.262	+0.516	+0.567	17 30—17 35	-0.067	-0.249	+0.555
16		19.1 — ..	.....	+0.266	.....	.....	18 50—18 55	-0.067	-0.245	+0.558
16		23.05 — 23.3	-0.072	+0.259	+0.547	+0.525	23 25—23 30	-0.074	-0.258	+0.534
16		5.6 — 5.8	-0.081	+0.256	+0.541	+0.586	5 55—7 30	-0.074	-0.266	+0.562
16		7.65 — 7.75	.....	+0.267	+0.544	+0.564				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			<i>c</i>	<i>b</i>	<i>a_n</i>	<i>a_s</i>		<i>c</i>	<i>n</i>	<i>m</i>
1910		h h	s	s	s	s	h m h m	s	s	s
Dec. 16	L.	10.0 — 10.6	−0.068	+0.288	+0.560	+0.586	10 20—13 30	−0.060	−0.274	+0.604
16		13.0 — 13.2	.....	+0.293	+0.596	+0.626				
17		17.8 — 18.1	−0.056	+0.308	+0.590	+0.550	17 35—17 40	−0.067	−0.256	+0.589
17		19.1 — 19.2	.....	+0.300	+0.560	+0.582	18 55—19 0	−0.047	−0.252	+0.597
17		5.0 — 5.4	−0.048	+0.281	+0.545	+0.560	5 20— 7 50	−0.047	−0.244	+0.573
17		7.9 — 8.1	.....	+0.299	+0.547	+0.550				
19	P.	9.1 — 9.4	−0.070	+0.232	+0.448	+0.495	8 50—12 30	−0.062	−0.216	+0.485
19		12.7 — 12.8	−0.064	+0.241	+0.479	+0.468				
20		18.0 — 18.2	−0.077	+0.232	+0.455	+0.503				
20		4.9 — 5.1	−0.072	+0.253	+0.523	+0.525	5 20— 7 50	−0.074	−0.240	+0.528
20		8.0 — 8.2	−0.091	+0.251	+0.487	+0.538				
20	L.	10.0 — 10.4	−0.064	+0.255	+0.540	+0.614	10 10—13 30	−0.046	−0.284	+0.580
20		13.0 — 13.2	.....	+0.256	+0.566	+0.621				
21		18.1 — 18.3	−0.063	+0.285	+0.566	+0.607	17 50—18 0	−0.052	−0.270	+0.598
21		19.1 — .....	.....	+0.289	.....	.....	19 20—19 25	−0.052	−0.268	+0.601
21		5.6 — 6.1	−0.056	+0.289	+0.569	+0.603	5 20— 6 20	−0.047	−0.269	+0.600
22	M.	18.2 — 18.4	−0.036	+0.313	+0.619	+0.604	17 55—19 30	−0.040	−0.282	+0.624
22		22.6 — 22.9	−0.023	+0.310	+0.580	+0.550	22 20— 0 5	−0.034	−0.262	+0.600
22		23.8 — 0.1	.....	+0.317	+0.623	+0.569				
22	P.	9.7 — 9.9	−0.057	+0.267	+0.576	+0.591	10 5—12 0	−0.055	−0.282	+0.574
22		12.5 — 12.55	.....	+0.266	+0.576	+0.576				
24	P.	10.65—10.8	−0.058	+0.258	+0.532	+0.516	10 55—13 45	−0.062	−0.255	+0.534
24		13.95—14.1	−0.055	+0.265	+0.559	+0.529				
26	P.	5.0 — 5.2	−0.052	+0.288	+0.576	+0.509	5 20— 7 40	−0.063	−0.248	+0.558
26		7.8 — 7.95	−0.056	+0.288	+0.547	+0.541				
26		10.7 — 11.05	−0.056	+0.282	+0.536	+0.521	10 55—15 15	−0.063	−0.242	+0.551
26		14.3 — 14.5	−0.052	+0.286	+0.563	+0.521				
27		18.6 — 18.8	−0.069	+0.287	+0.498	+0.527	18 20—18 25	−0.062	−0.213	+0.551
27		20.05—20.2	−0.068	+0.280	+0.478	+0.494	19 45—19 50	−0.064	−0.200	+0.526
27	L.	10.9 — 11.6	−0.074	+0.274	+0.495	+0.503	10 55—12 30	−0.072	−0.214	+0.529
27		13.2 — 13.6	.....	+0.277	+0.498	+0.501				
29	M.	18.7 — 19.0	−0.094	+0.226	+0.395	+0.356	18 25—18 35	−0.105	−0.158	+0.403
29		2.0 — 2.4	−0.133	+0.232	+0.337	+0.336	1 25— 3 10	−0.133	−0.115	+0.391
31	P.	18.6 — 18.9	−0.090	+0.322	+0.555	+0.559	18 35—18 45	−0.089	−0.230	+0.601
1911										
Jan. 4	L.	19.1 — 19.4	−0.096	+0.294	+0.634	+0.653	18 55—19 0	−0.091	−0.313	+0.637
4		22.5 — 22.6	.....	+0.273	+0.653	+0.646	22 30	−0.082	−0.336	+0.623
4		1.0 — 1.3	−0.081	+0.296	+0.609	+0.636	1 6	−0.082	−0.294	+0.623
4		4.9 — 5.2	−0.070	+0.331	+0.621	+0.626	5 20— 7 40	−0.071	−0.271	+0.656
4		7.3 — 7.9	.....	+0.350	+0.624	+0.621				
4	M.	18.5 — 18.8	−0.030	+0.376	+0.658	+0.608	19 0—19 5	−0.043	−0.264	+0.680
5		23.3 — 0.4	−0.017	+0.367	+0.657	+0.560	23 10— 1 50	−0.045	−0.250	+0.646
5		1.6 — 1.9	.....	+0.375	+0.644	+0.543				
5		4.9 — 5.1	−0.042	+0.337	+0.642	+0.576	5 20— 5 55	−0.054	−0.274	+0.630
5	P.	18.7 — 19.0	−0.059	+0.334	+0.618	+0.579	19 5—19 10	−0.070	−0.262	+0.627
6		23.6 — 23.8	−0.079	+0.289	+0.576	+0.476	0 0— 1 50	−0.094	−0.234	+0.548
6		1.9 — 2.1	−0.083	+0.296	+0.529	+0.528				
6		6.1 — 6.4	−0.090	+0.296	+0.542	+0.534	5 20— 5 55	−0.094	−0.234	+0.567
7	L.	18.9 — 19.4	−0.063	+0.309	+0.496	+0.492	19 5—19 15	−0.064	−0.191	+0.550
7		0.4 — 1.0	−0.075	+0.297	+0.447	+0.467	0 10— 1 50	−0.072	−0.164	+0.522
7		1.6 — 1.9	.....	+0.305	+0.453	+0.455				
7		5.1 — 6.0	−0.083	+0.295	+0.440	+0.449	5 20— 5 55	−0.078	−0.164	+0.513
7		7.4 — 7.6	.....	+0.295	+0.457	+0.456	6 20— 7 15	−0.082	−0.164	+0.513

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1911		h h	s	s	s	s	h m h m	s	s	s
Jan. 8	P.	1.0 — 1.15	-0.085	+0.268	+0.467	+0.440	1 6	-0.095	-0.189	+0.476
8		3.7 — 3.9	-0.094	+0.267	+0.421	+0.404	3 48	-0.095	-0.156	+0.476
9	M.	1.7 — 2.0	-0.059	+0.270	+0.476	+0.440	1 54	-0.076	-0.193	+0.496
9		5.0 — 5.2	.....	+0.246	+0.502	+0.495	5 6	-0.076	-0.234	+0.496
9		6.8 — 7.1	-0.088	+0.257	+0.490	+0.524	5 20— 7 30	-0.076	-0.230	+0.514
9	P.	18.9 — 19.1	-0.079	+0.276	+0.538	+0.568	19 20— 19 30	-0.071	-0.252	+0.568
10		1.75— 1.95	-0.072	+0.255	+0.504	+0.486	1 25— 4 50	-0.083	-0.227	+0.504
10		5.0 — 5.1	.....	+0.253	+0.499	+0.483	5 20— 8 0	-0.096	-0.223	+0.494
10		8.2 — 8.4	-0.097	+0.246	+0.489	+0.462				
15	M.	5.1 — 6.0	-0.123	+0.178	+0.317	+0.341	5 12	-0.119	-0.140	+0.350
15		7.5 — 7.8	.....	+0.188	+0.395	+0.382	7 39	-0.119	-0.186	+0.388
15		9.4 — 9.8	-0.098	+0.197	+0.421	+0.376	8 25— 9 45	-0.119	-0.190	+0.391
15		13.0 — 13.9	-0.130	+0.183	+0.417	+0.411	13 20— 14 50	-0.119	-0.212	+0.415
15		14.4 — 14.5	.....	+0.189	+0.423	+0.454				
15		19.6 — 20.0	-0.143	+0.210	+0.482	+0.556	19 45— 19 55	-0.123	-0.260	+0.505
16	P.	5.0 — 5.2	-0.103	+0.239	+0.557	+0.551	5 20— 6 20	-0.106	-0.278	+0.532
16		7.1 — 7.2	.....	+0.241	+0.547	+0.550	7 35— 10 10	-0.106	-0.278	+0.540
16		10.3 — 10.5	-0.113	+0.245	+0.551	+0.573				
18	L.	20.1 — 20.4	-0.075	+0.290	+0.613	+0.603	19 55— 20 0	-0.078	-0.293	+0.605
18		1.0 — 1.6	-0.094	+0.278	+0.559	+0.593	1 0— 3 40	-0.077	-0.262	+0.592
18		3.9 — 4.1	.....	+0.306	+0.577	+0.573	5 20— 5 55	-0.077	-0.254	+0.606
18		6.4 — 6.6	-0.066	+0.319	+0.586	+0.582				
18	M.	19.5 — 19.8	-0.053	+0.315	+0.576	+0.582	20 0— 20 5	-0.051	-0.251	+0.611
19		4.7 — 5.1	-0.065	+0.287	+0.524	+0.481	4 30— 6 25	-0.078	-0.218	+0.535
19		6.9 — 7.0	.....	+0.298	+0.536	+0.483				
19	P.	12.2 — 12.4	-0.091	+0.269	+0.512	+0.504	12 35— 14 15	-0.093	-0.224	+0.526
19		14.5 — 14.6	.....	+0.271	+0.505	+0.499				
20		20.3 — 20.7	-0.084	+0.272	+0.504	+0.472	20 5— 20 10	-0.093	-0.215	+0.511
20		2.0 — 2.1	-0.080	+0.264	+0.454	+0.443	1 25— 6 20	-0.082	-0.187	+0.492
20		6.1 — 6.4	-0.078	+0.274	+0.469	+0.453				
22	M.	19.8 — 20.0	-0.087	+0.283	+0.506	+0.521	20 15— 20 25	-0.083	-0.220	+0.546
23		4.7 — 5.0	-0.074	+0.280	+0.537	+0.485	4 30— 7 30	-0.087	-0.224	+0.540
23		7.1 — 7.3	.....	+0.306	+0.539	+0.494				
23	P.	13.0 — 13.2	-0.112	+0.245	+0.506	+0.527	13 6	-0.116	-0.244	+0.518
23		16.05— 16.3	-0.120	+0.259	+0.590	+0.574	16 6	-0.116	-0.293	+0.563
23		19.9 — 20.1	-0.084	+0.300	+0.613	+0.551	20 20— 20 25	-0.100	-0.275	+0.586
24		4.9 — 5.1	-0.091	+0.249	+0.536	+0.505	5 20— 7 40	-0.097	-0.250	+0.517
24		7.5 — 7.8	.....	+0.254	+0.524	+0.512				
24	L.	12.4 — 12.7	-0.070	+0.294	+0.582	+0.520	12 10— 16 35	-0.083	-0.257	+0.570
24		16.0 — 16.2	-0.083	+0.283	+0.560	+0.572				
24		19.0 — 19.2	-0.058	+0.300	+0.576	+0.519	18 45— 18 50	-0.073	-0.247	+0.566
25		20.2 — 20.7	-0.077	+0.274	+0.543	+0.532	20 25— 20 30	-0.080	-0.249	+0.549
25		1.6 — 2.2	-0.073	+0.259	+0.471	+0.472	1 25— 2 5	-0.079	-0.206	+0.500
25		4.8 — 5.1	-0.084	+0.253	+0.466	+0.489	5 20— 7 25	-0.079	-0.213	+0.503
25		7.5 — 7.7	.....	+0.258	+0.490	+0.482				
27	P.	20.5 — 20.9	-0.159	+0.182	+0.407	+0.413	20 35— 20 40	-0.157	-0.203	+0.400
27		1.25— 1.95	-0.182	+0.194	+0.336	+0.311	1 25— 3 55	-0.186	-0.122	+0.344
27		4.7 — 4.8	-0.183	+0.198	+0.303	+0.297				
27	L.	12.4 — 12.6	-0.165	+0.198	+0.328	+0.317	12 15— 15 15	-0.167	-0.124	+0.362
27		15.0 — 15.3	.....	+0.214	+0.329	+0.324				
27		19.1 — 19.3	-0.159	+0.235	+0.346	+0.376	18 55— 19 0	-0.151	-0.128	+0.416
28		20.5 — 20.9	-0.165	+0.213	+0.369	+0.356	20 35— 20 45	-0.168	-0.150	+0.390
28		3.2 — 3.6	-0.153	+0.234	+0.370	+0.361	3 18	-0.151	-0.139	+0.410
28		7.1 — 7.8	-0.153	+0.264	+0.344	+0.368	7 39	-0.151	-0.107	+0.434

TABLE XXI.—*The Constants c , b , a , n , and m —Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1911		h h	s	s	s	s	h m h m	s	s	s
Jan. 29	M.	20.3 — 20.5	-0.117	+0.225	+0.358	+0.363	19 0—20 50	-0.116	-0.138	+0.402
30		2.3 — 2.7	-0.119	+0.189	+0.377	+0.385	1 55—4 35	-0.117	-0.180	+0.402
30		4.7 — 4.9	.....	+0.201	+0.390	+0.420	5 10—7 25	-0.117	-0.189	+0.410
30		6.7 — 7.5	-0.121	+0.193	+0.408	+0.401				
30	P.	12.65—12.85	-0.146	+0.185	+0.470	+0.528	12 42	-0.132	-0.269	+0.469
30		15.7 — 16.1	-0.135	+0.226	+0.534	+0.546	15 54	-0.132	-0.269	+0.517
Feb. 2	P.	13.1 — 13.7	-0.104	+0.237	+0.469	+0.434	13 24	-0.112	-0.209	+0.467
2		16.15—16.3	-0.109	+0.217	+0.487	+0.484	16 12	-0.112	-0.242	+0.467
2		19.6 — 19.8	-0.106	+0.235	+0.479	+0.474				
2		20.9 .....	.....	+0.223	.....	.....		
3		21.2 — 21.3	-0.129	.....	+0.431	+0.513				
3		0.85—1.0	-0.127	+0.223	+0.475	+0.501				
4	L.	21.3 — 21.9	-0.096	+0.274	+0.509	+0.556				
4		1.3 — 1.7	-0.106	+0.255	+0.439	+0.428	1 36	-0.113	-0.180	+0.460
4		4.8 — 5.0	-0.114	+0.271	+0.383	+0.383	4 51	-0.113	-0.128	+0.460
4		7.1 — 7.8	.....	+0.274	+0.384	+0.381	5 20—7 40	-0.113	-0.127	+0.452
5	P.	1.7 — 1.8	-0.130	+0.221	+0.406	+0.424	1 45	-0.124	-0.190	+0.437
5		4.2 — 4.35	-0.122	+0.241	+0.451	+0.445	4 12	-0.124	-0.190	+0.467
6	P.	20.0 — 20.2	-0.094	+0.307	+0.595	+0.619	19 35—19 40	-0.088	-0.275	+0.625
6		21.2 .....	.....	+0.335	.....	.....	21 20—21 25	-0.081	-0.249	+0.637
7		21.5 — 21.6	-0.085	.....	+0.587	+0.602				
7		2.8 — 3.6	-0.100	+0.313	+0.545	+0.573	2 50—6 20	-0.092	-0.234	+0.591
7		6.05—6.1	.....	+0.296	+0.530	+0.567				
9	P.	17.0 — 17.25	-0.109	+0.274	+0.578	+0.570	17 9	-0.111	-0.275	+0.575
9		19.6 — 19.8	-0.089	+0.304	+0.539	+0.546	19 48	-0.087	-0.227	+0.575
9		21.4 .....	.....	+0.276	.....	.....		
10		21.65—21.7	.....	.....	+0.532	+0.541				
10		2.9 — 3.5	.....	+0.285	+0.534	+0.524	3 5—7 50	-0.082	-0.236	+0.556
10		4.8 — 4.9	-0.076	+0.285	+0.542	+0.532				
10		8.0 — 8.05	.....	+0.302	+0.553	+0.512				
10	M.	13.2 — 13.8	-0.082	+0.290	+0.548	+0.538	13 30	-0.085	-0.244	+0.564
10		15.5 — 15.7	.....	+0.311	+0.568	+0.558	15 36	-0.085	-0.244	+0.594
10		21.0 — 21.3	-0.063	+0.308	+0.567	+0.557	21 35—21 40	-0.066	-0.245	+0.590
12	P.	8.75—8.9	-0.114	+0.233	+0.420	+0.435	8 48	-0.105	-0.186	+0.453
12		10.2 — 10.3	.....	+0.248	+0.427	+0.480	10 18	-0.105	-0.186	+0.489
12	L.	13.6 — 13.9	-0.111	+0.255	+0.465	+0.483	13 25—16 10	-0.110	-0.208	+0.502
12		15.8 — 16.0	.....	+0.261	+0.483	+0.475				
13		21.9 — 22.1	-0.109	+0.255	+0.418	+0.466	21 40—21 50	-0.096	-0.176	+0.487
13		3.3 — 3.6	-0.098	+0.265	+0.372	+0.352	3 5—6 20	-0.114	-0.124	+0.438
13		6.0 — 6.1	-0.121	+0.271	+0.390	+0.374				
13	P.	9.75—9.9	-0.124	+0.248	+0.397	+0.383	10 0—11 10	-0.125	-0.150	+0.442
13		11.3 — 11.35	.....	+0.252	+0.396	+0.405				
17	P.	22.2 — 22.4	-0.113	+0.262	+0.476	+0.494				
17		3.3 — 3.5	-0.105	+0.276	+0.435	+0.429				
17		6.1 — 6.25	-0.108	+0.261	+0.435	+0.408	5 20—5 55	-0.111	-0.166	+0.474
18	P.	14.35—15.3	-0.111	+0.245	+0.426	+0.427	14 24	-0.117	-0.177	+0.466
18		16.4 — 16.55	-0.116	+0.226	+0.487	+0.469	16 24	-0.117	-0.233	+0.466
18		18.6 — 18.75	.....	+0.233	+0.492	+0.479	17 20—17 55	-0.117	-0.234	+0.478
20	P.	14.7 — 15.0	-0.125	+0.267	+0.577	+0.618	14 48	-0.105	-0.290	+0.592
20		16.5 — 16.8	-0.089	+0.345	+0.625	+0.577	16 39	-0.105	-0.260	+0.635
20		18.7 — 18.8	.....	+0.339	+0.590	+0.588	17 20—18 55	-0.105	-0.253	+0.634
20		21.25—21.5	-0.128	+0.287	+0.584	+0.628	21 0—21 5	-0.116	-0.283	+0.614
20		22.1 .....	.....	+0.273	.....	.....	22 10—22 20	-0.111	-0.286	+0.604
21		22.4 .....	.....	.....	+0.571	+0.634				
21		3.6 — 3.95	-0.091	+0.298	+0.581	+0.570	3 45—6 20	-0.094	-0.262	+0.603
21		6.4 — 6.5	.....	+0.318	+0.596	+0.582				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.		Observed.				Sidereal Time.				Adopted.		
				c	b	a _n	a _s					c	n	m
1911		h	h	s	s	s	"	h	m	h	m	s	s	s
Feb. 22	M.	17.5	.....	.....	+0.245	+0.592	+0.613	17	20—18	55		—0.103	—0.304	+0.572
22		18.6	—18.8	—0.110	+0.251	+0.574	+0.605							
22		21.9	—22.1	—0.066	+0.290	+0.557	+0.538	21	10—22	25		—0.071	—0.247	+0.566
23		4.0	—4.2	.....	+0.271	+0.573	+0.537	3	45—6	20		—0.082	—0.268	+0.554
23		5.95	—6.2	—0.069	+0.282	+0.590	+0.526							
23	P.	14.65	—14.9	—0.093	+0.265	+0.569	+0.589	15	5—16	10		—0.090	—0.288	+0.575
23		17.0	—17.15	.....	+0.261	+0.590	+0.593							
23		22.15	—22.3	—0.095	+0.261	.....	.....	22	25—22	30		—0.098	—0.272	+0.551
24		22.6	.....	.....	.....	+0.564	+0.563							
24		3.25	—3.7	—0.089	+0.253	+0.499	+0.500	3	45—6	20		—0.094	—0.220	+0.500
24		6.0	—6.25	—0.093	+0.254	+0.484	+0.461							
24	L.	14.2	—14.4	—0.081	+0.279	+0.501	+0.508	14	0—17	10		—0.084	—0.220	+0.537
24		17.4	—17.8	—0.091	+0.274	+0.506	+0.518							
25		22.2	—22.3	—0.081	+0.285	+0.462	+0.444	22	30—22	35		—0.086	—0.176	+0.503
25		3.9	—4.3	—0.134	+0.247	+0.380	+0.341	4	0			—0.140	—0.121	+0.410
25		6.1	—6.5	—0.136	+0.275	+0.361	+0.366	6	12			—0.140	—0.121	+0.444
26	M.	21.8	.....	.....	+0.217	.....	.....	21	35—22	40		—0.150	—0.103	+0.368
26		21.9	—22.25	—0.155	+0.216	+0.301	+0.321							
27		4.3	—4.5	—0.154	+0.220	+0.293	+0.288	4	5—6	20		—0.152	—0.086	+0.360
27		5.9	—6.0	.....	+0.229	+0.290	+0.304							
27	P.	16.4	—16.7	—0.145	+0.166	+0.332	+0.375	16	5—18	20		—0.133	—0.163	+0.360
28	L.	22.1	—22.5	—0.099	+0.275	+0.467	+0.501	21	50—22	50		—0.090	—0.199	+0.525
Mar. 1		4.6	—4.8	—0.089	+0.264	+0.422	+0.414	4	55—6	20		—0.082	—0.158	+0.482
1		6.2	—6.5	—0.083	+0.280	+0.410	+0.448							
2	P.	17.5	—17.8	—0.090	+0.264	+0.419	+0.399	17	20—18	35		—0.095	—0.155	+0.459
2		22.3	—22.6	—0.107	+0.240	+0.379	+0.411							
2		22.8	.....	.....	+0.249	.....	.....					
3		3.55	—3.9	—0.134	+0.221	+0.319	+0.263	3	20—6	20		—0.148	—0.097	+0.348
3		6.05	—6.2	.....	+0.227	+0.321	+0.276							
6	M.	3.7	—4.1	.....	+0.245	+0.361	+0.381	3	55—6	20		—0.100	—0.128	+0.428
6		6.2	—6.5	—0.107	+0.249	+0.350	+0.380							
6	P.	16.5	—16.75	—0.098	+0.249	+0.438	+0.454	16	55—18	35		—0.096	—0.196	+0.472
6		18.7	—18.95	.....	+0.237	+0.452	+0.452							
8	L.	5.0	—5.3	—0.088	+0.309	+0.493	+0.488	5	20—6	25		—0.096	—0.178	+0.537
8		6.2	—6.6	—0.088	+0.318	+0.490	+0.435							
8	M.	15.9	—16.6	—0.094	+0.312	+0.467	+0.481	16	6			—0.091	—0.171	+0.544
8		18.4	—18.6	.....	+0.324	+0.523	+0.517	18	30			—0.091	—0.203	+0.578
8		22.5	—22.9	—0.071	+0.326	+0.505	+0.468	22	40—23	20		—0.081	—0.180	+0.551
9		4.7	—5.1	.....	+0.293	+0.421	+0.399	4	55—7	10		—0.084	—0.139	+0.486
9		6.7	—7.0	—0.081	+0.294	+0.416	+0.418							
9	P.	16.7	—17.1	—0.085	+0.270	+0.441	+0.393	17	20—18	20		—0.098	—0.163	+0.462
9		22.75	—23.1	—0.117	+0.263	+0.370	+0.362	22	45—23	25		—0.119	—0.121	+0.433
10		4.5	—4.7	—0.149	+0.216	+0.305	+0.297	4	55—8	40		—0.144	—0.094	+0.358
10		8.8	—9.05	—0.136	+0.226	+0.299	+0.293							
10	L.	16.0	—16.4	—0.120	+0.238	+0.309	+0.338	16	18			—0.112	—0.098	+0.394
10		18.6	—18.8	.....	+0.238	+0.344	+0.378	18	42			—0.112	—0.126	+0.419
10		23.0	—23.2	—0.129	+0.202	+0.334	+0.393	22	55—23	25		—0.113	—0.146	+0.399
11		4.4	—4.7	—0.121	+0.188	+0.323	+0.284	4	55—9	50		—0.128	—0.118	+0.338
11		8.8	—9.5	—0.131	+0.194	+0.292	+0.315							
14	L.	23.0	—23.1	—0.110	+0.258	+0.401	+0.337	23	20—23	40		—0.127	—0.136	+0.419
15		11.2	—11.6	—0.117	+0.208	+0.319	+0.321	11	40—13	0		—0.116	—0.130	+0.375
15		13.0	—13.2	.....	+0.211	+0.354	+0.355							

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1911		h h	s	s	s	s	h m h m	s	s	s
Mar. 15	M.	16.3 —16.7	-0.149	+0.242	+0.380	+0.469	16 30	-0.126	-0.163	+0.473
15		17.3 —17.5	.....	+0.283	+0.444	+0.452	17 24	-0.109	-0.170	+0.503
15		18.4 —18.7	-0.074	+0.300	+0.544	+0.473	18 24	-0.093	-0.211	+0.532
16		23.9 — 0.1	-0.085	+0.297	+0.504	+0.566	18 30—18 35	-0.093	-0.216	+0.536
16		4.7 — 4.8	-0.059	+0.305	+0.548	+0.528				
16		6.5 — 6.7	.....	+0.302	+0.558	+0.524	5 5— 7 0	-0.066	-0.234	+0.570
16	P.	12.65—12.9	-0.080	+0.289	+0.569	+0.553	13 5—14 15	-0.090	-0.262	+0.579
16		14.35—14.5	.....	+0.287	+0.573	+0.576				
16		16.5 —16.7	-0.120	+0.271	+0.531	+0.603	16 55—18 55	-0.090	-0.268	+0.592
16		18.7 —19.1	-0.068	+0.307	+0.616	+0.572				
16		23.35—23.6	-0.072	+0.306	+0.526	+0.554	23 40—23 50	-0.065	-0.223	+0.583
17		4.8 — 4.95	-0.086	+0.289	+0.496	+0.492	5 20— 6 45	-0.086	-0.192	+0.520
17		6.9 — 7.1	-0.080	+0.285	+0.465	+0.450				
18	P.	14.4 —14.6	-0.110	+0.200	+0.347	+0.376	14 50—16 10	-0.104	-0.160	+0.392
18		16.35—16.5	.....	+0.196	+0.368	+0.392				
19	M.	23.4 —23.6	-0.095	+0.255	+0.381	+0.405	23 55— 0 0	-0.105	-0.143	+0.449
20		0.1	-0.124	.....	.....	.....	
20		5.8 — 6.1	.....	+0.223	+0.311	+0.300	6 0— 7 0	-0.168	-0.090	+0.361
20		6.8 — 7.2	-0.165	+0.232	+0.289	+0.282				
20	P.	15.6 —15.85	-0.171	+0.219	+0.276	+0.301	16 0—18 55	-0.161	-0.086	+0.360
20		18.7 —18.8	.....	+0.233	+0.309	+0.290				
20		23.5 —23.8	-0.121	+0.226	+0.279	+0.280	23 55— 0 5	-0.121	-0.076	+0.352
21		4.6 — 4.9	-0.175	+0.203	+0.236	+0.221	5 5— 7 15	-0.178	-0.050	+0.294
21		7.4 — 7.5	.....	+0.197	+0.220	+0.217				
21	L.	15.9 —16.2	-0.158	+0.217	+0.242	+0.249	16 5—18 55	-0.160	-0.056	+0.317
21		18.4 —18.7	-0.168	+0.201	+0.233	+0.249				
22		23.9 — 0.3	-0.196	+0.169	+0.199	+0.240	0 0— 0 5	-0.185	-0.058	+0.278
23	M.	0.5 — 0.7	-0.111	+0.206	+0.260	+0.279				
23		5.1 — 5.2	.....	+0.216	+0.273	+0.283	5 9	-0.117	-0.078	+0.346
23		6.8 — 7.5	-0.119	+0.198	+0.305	+0.308	7 15	-0.117	-0.113	+0.346
23	P.	15.9 —16.5	-0.093	+0.244	+0.391	+0.395	16 12	-0.098	-0.152	+0.438
23		19.7 —19.9	-0.092	+0.264	+0.449	+0.449	19 45	-0.098	-0.206	+0.492
23		23.9 — 0.0	-0.092	.....	+0.454	+0.517	0 5— 0 30	-0.075	-0.180	+0.550
24		0.3 .....	.....	+0.298	.....	.....		
24		4.95— 5.2	-0.095	+0.280	+0.404	+0.391	5 20— 7 25	-0.102	-0.138	+0.466
24		7.6 —7.75	.....	+0.288	+0.423	+0.379				
24	L.	16.4 —16.7	-0.086	+0.321	+0.431	+0.455	16 30—20 25	-0.074	-0.150	+0.522
24		19.6 —20.0	-0.073	+0.296	+0.438	+0.453				
25		23.9 — 0.4	-0.087	+0.309	+0.433	+0.366	0 10— 0 20	-0.105	-0.128	+0.477
25		5.1 — 5.4	-0.098	+0.236	+0.360	+0.343	5 20— 7 25	-0.097	-0.116	+0.402
25		6.9 — 7.5	-0.097	+0.245	+0.324	+0.345				
27	M.	0.5 — 1.1	-0.146	+0.160	+0.274	+0.301	0 20— 0 50	-0.139	-0.119	+0.311
27		9.0 — 9.8	-0.169	+0.200	+0.232	+0.227	8 50—10 15	-0.170	-0.054	+0.299
27	P.	16.95—17.2	-0.157	+0.165	+0.259	+0.289	17 6	-0.143	-0.104	+0.314
27		19.5 —19.65	-0.139	+0.162	+0.301	+0.309	19 33	-0.143	-0.134	+0.314
28		0.6 — 0.8	-0.151	+0.173	+0.327	+0.291	0 20— 1 0	-0.161	-0.138	+0.321
28		5.0 — 5.2	-0.147	+0.170	+0.286	+0.301	5 20— 7 40	-0.145	-0.123	+0.320
28		7.9 — 8.0	.....	+0.170	+0.300	+0.301				
28	L.	16.8 —17.3	-0.121	+0.212	+0.330	+0.335	17 20—18 55	-0.119	-0.125	+0.372
28		18.6 —18.7	.....	+0.207	+0.327	+0.337				
29		0.4 — 0.8	-0.120	+0.228	+0.333	+0.352	0 25— 0 35	-0.115	-0.120	+0.396
29		7.9 — 8.1	-0.125	+0.201	+0.292	+0.305	8 10— 9 30	-0.120	-0.096	+0.350
29		9.1 — 9.2	.....	+0.213	+0.279	+0.303				

TABLE XXI.—*The Constants c, b, a, n, and m—Continued.*

[The values of the positions of the azimuths of the marks used in this table are the preliminary values. The corrections to the observations to reduce to the definitive positions of the marks are obtained from column 11, Table XVIII.]

Date.	Obs'r.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a _n	a _s		c	n	m
1911		h h	s	s	s	s	h m h m	s	s	s
Mar. 30	M.	0.1 — 0.7	−0.111	+0.202	+0.310	+0.308	0 30—1 15	−0.112	−0.114	+0.350
30		5.0 — 5.9	−0.115	+0.173	+0.289	+0.255	5 35—9 30	−0.124	−0.104	+0.312
30		8.3 — 9.2	−0.123	+0.191	+0.282	+0.278				
30	P.	16.9 —17.4	−0.134	+0.206	+0.303	+0.308	17 5—19 15	−0.132	−0.114	+0.354
30		19.5 —19.6	.....	+0.199	+0.313	+0.320				
31		0.8 — 1.0	−0.133	+0.213	+0.285	+0.332				
31		5.1 — 5.5	−0.124	+0.225	+0.299	+0.282	5 20—7 40	−0.126	−0.088	+0.354
31		7.9 — 8.0	.....	+0.220	+0.294	+0.289				
31	L.	16.9 —17.2	−0.123	+0.240	+0.358	+0.377	17 20—19 15	−0.118	−0.128	+0.425
31		19.1 —19.3	.....	+0.249	+0.357	+0.376				
Apr. 1		0.4 — 0.8	−0.113	+0.241	+0.330	+0.384	0 35—0 45	−0.099	−0.118	+0.422
1		5.8 — 6.7	−0.097	+0.242	+0.305	+0.322	6 55—9 30	−0.096	−0.096	+0.386
1		9.1 — 9.2	.....	+0.236	+0.324	+0.321				
6	M.	1.2 — 1.4	−0.149	+0.185	+0.241	+0.182	0 55—1 0	−0.165	−0.059	+0.264
6		2.2 — .....	.....	+0.152	.....	.....	1 55—2 0	−0.174	−0.075	+0.235
6		4.9 — 5.2	−0.252	+0.100	+0.168	+0.188	5 20—6 20	−0.247	−0.072	+0.194
6	P.	17.15—17.5	−0.226	+0.121	+0.236	+0.209	17 30—18 20	−0.229	−0.093	+0.236
6		18.55—18.7	.....	+0.134	+0.218	+0.220				
9	L.	9.8 —10.1	−0.153	+0.264	+0.327	+0.376	10 0—11 10	−0.141	−0.096	+0.430
9		11.1 —11.4	−0.143	+0.270	+0.334	+0.337				
9	M.	16.5 —17.2	−0.139	+0.271	+0.375	+0.356	16 42	−0.144	−0.120	+0.435
9		19.3 —19.7	−0.085	+0.319	+0.428	+0.376	19 42	−0.099	−0.120	+0.495
							19 45—20 15	−0.099	−0.120	+0.489
10		1.4 — 1.6	−0.109	+0.261	+0.340	+0.350	1 10—1 15	−0.106	−0.102	+0.422
10		2.0 — .....	.....	+0.231	.....	.....	2 20—2 25	−0.115	−0.121	+0.399
10		4.85— 5.1	−0.160	+0.184	+0.335	+0.362	4 54	−0.146	−0.151	+0.366
10		7.9 — 8.1	.....	+0.194	+0.302	+0.332	8 0	−0.146	−0.120	+0.366
10		10.3 —11.8	−0.146	+0.223	+0.290	+0.324	11 42	−0.146	−0.093	+0.366
10	P.	16.95—17.2	−0.148	+0.251	+0.334	+0.371	17 20—19 0	−0.138	−0.116	+0.412
10		19.25—19.3	.....	+0.226	+0.327	+0.365				

TABLE XXII.—*The Zenith Point Corrections.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1903 Sept. 3	Ei.-Y.	h 19.8	" +16.56	h m h m 20 10—1 15	" +16.47	1903 Sept. 15	L.	h 7.5	" +17.80	h m h m 3 55—7 20	" +17.77
3		22.8	+16.39			15		11.2	+18.05	11 30—13 0	+18.28
3		1.7	+16.49			16		13.6	+18.51		
4	L.	3.7	+17.13	4 10—6 20	+17.10	16		17.5	+17.94	17 55—19 55	+18.04
4		6.7	+17.07			16		20.4	+18.15		
4		10.4	+18.71	10 24	+18.71	Micrometer removed to insert new thread.					
5		13.0	+19.30	13 0	+19.30	18	Ei.-Y.	21.3	+7.31	21 30—3 0	+6.58
				17 30—19 20	+17.39	18		0.4	+6.30		
5	Ei.-Y.	19.7	+17.48	20 10—0 35	+17.39	18		3.6	+6.12		
5		22.7	+17.40			18	L.	7.4	+6.15	4 20—6 50	+6.14
5		1.1	+17.28			18		11.1	+6.29	11 6	+6.29
6	R.	21.0	+16.67	21 0	+16.67	19		17.7	+5.92	18 0—19 10	+5.96
6						19		20.7	+6.00		
6	L.	3.4	+15.71	3 24	+15.71	19	Ei.-Y.	21.3	+5.26	21 18	+5.26
6		6.7	+14.95	6 42	+14.95	19		0.7	+4.85	0 42	+4.85
6		10.6	+15.63	10 36	+15.63	19		4.0	+4.57	4 0	+4.57
7		13.0	+16.30	13 0	+16.30	20	R.	4.9	+4.57	4 54	+4.57
7		17.0	+15.83	17 20—19 55	+15.63	20		8.0	+5.39	8 0	+5.39
7		20.3	+15.43			20		11.3	+5.80	11 45—13 5	+5.82
9	L.	10.9	+16.66	11 10—12 50	+16.77	21		13.5	+5.85	18 25—20 50	+5.52
10		13.2	+16.88			21	Ei.-Y.	17.8	+5.58		
10		16.6	+17.18	17 10—19 35	+17.07	21		21.6	+5.45	21 36	+5.45
10	Ei.-Y.	20.2	+16.96	20 20—2 30	+16.94 ¹	21		0.4	+4.72	0 24	+4.72
10		23.2	+17.07			21		3.6	+4.32	3 36	+4.32
10		2.1	+16.78			21	L.	7.2	+5.10	7 12	+5.10
10	R.	10.9	+17.77	11 10—11 20	+17.65	22		17.7	+6.73	18 0—20 40	+6.51
11		13.4	+17.53			22	Ei.-Y.	21.2	+6.29	21 25—3 0	+5.99
11		16.9	+17.12	17 25—19 50	+17.03	22		0.3	+5.83	3 48	+5.86
11	Ei.-Y.	20.4	+16.94	20 40—1 40	+17.08	22		3.8	+5.86		
11		22.8	+17.31			22	R.	8.1	+6.48	8 6	+6.48
11		2.2	+16.98			22		11.6	+7.20	11 55—12 0	+7.20
11	L.	6.3	+16.67	3 10—6 0	+16.82 ²	23		19.7	+6.63	19 42	+6.63
12		11.6	+17.62	11 15—11 20	+17.62	23		22.7	+6.05	22 42	+6.05
12		17.3	+17.22	17 35—20 15	+17.12	23	L.	4.5	+5.78	4 55—6 45	+5.71
12	Ei.-Y.	20.9	+17.03	21 10—2 10	+16.92	23		7.4	+5.64		
12		23.7	+16.93			23		11.5	+5.87	12 0—12 5	+5.87
12		2.7	+16.81			24		18.0	+6.17	18 0	+6.17
12	R.	3.8	+16.81	4 15—6 35	+16.91	24	Ei.-Y.	21.8	+4.24	21 48	+4.24
12		7.1	+17.01			24		0.8	+3.91	0 48	+3.91
13	L.	3.7	+17.68	4 10—6 45	+17.90	24		4.3	+3.77	4 18	+3.77
13		7.1	+18.12			24	R.	8.4	+3.15	8 24	+3.15
13		11.0	+18.28	11 0	+18.28	24		11.7	+4.42	11 5—12 10	+4.42
14		13.4	+18.96	13 24	+18.96	25		16.5	+5.16	16 30	+5.16
14		17.4	+18.40	17 45—20 20	+18.20	25		19.5	+4.79	19 30	+4.79
14	Ei.-Y.	20.9	+18.01	21 5—1 50	+17.92 ³	25	Ei.-Y.	21.8	+4.64	21 48	+4.64
14		23.5	+17.88			25		0.8	+4.19	0 48	+4.19
14		2.3	+17.87			25		4.1	+3.89	4 6	+3.89
14	R.	11.1	+18.39	11 25—13 0	+18.46	25	L.	8.0	+4.27	4 40—7 40	+4.08
15		13.3	+18.54			25		11.7	+4.77	12 5—12 15	+4.77
15		17.9	+18.36	17 54	+18.36	26		17.5	+6.28	16 50—21 15	+6.06
				21 18	+17.80	26		21.7	+5.84		
15	Ei.-Y.	21.3	+17.80	21 30—3 0	+17.87	27	L.	4.8	+6.43	4 48	+6.43
15		0.3	+18.08			27		8.1	+5.67	8 6	+5.67
15		3.5	+17.74			27		11.8	+6.57	11 0—12 20	+6.57
						28		18.4	+5.48	18 24	+5.48

¹ Used +17".65 for B. D.—21°.5802; reduced with two microscopes.² Used +17".42 for 5 H. Camelopardalis; reduced with two microscopes.³ Used +18".39 for B. D.+11°.158; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1903 Sept. 28	Ei.-Y.	h 21.7	" +4.67	h m h m 21 42	" +4.67	1903 Oct. 18	L.	h 6.3	" +4.40	h m h m 6 18	" +4.40
28		1.0	+3.41	1 0	+3.41	18		9.6	+5.41	9 36	+5.41
28		4.7	+3.00	4 42	+3.00	18		13.3	+5.43	11 5-13 35	+5.43
						19		20.0	+5.09	20 0	+5.09
28	R.	8.2	+2.84	8 12	+2.84	19	Ei.-Y.	23.2	+4.64	23 12	+4.64
28		11.9	+4.12	11 0-12 25	+4.12	19		2.2	+4.30	2 12	+4.30
29		19.8	+3.13	18 50-21 20	+2.92	19		5.5	+4.22	5 30	+4.22
29	Ei.-Y.	21.8	+2.71	22 15- 4 0	+2.67	19				9 12	+4.02
29		1.2	+2.80			19	Br.	9.2	+4.02	11 10-11 15	+4.57
29		4.7	+2.49			19		13.2	+5.13	12 30-13 40	+5.13
29	L.	7.1	+2.52	5 5- 7 40	+2.50	20		19.5	+6.39	19 30	+6.39
29		12.0	+3.41	11 0-12 25	+3.41	20	Ei.-Y.	23.7	+5.44	23 42	+5.44
30		17.7	+5.03	17 42	+5.03	20		3.0	+5.66	23 50- 9 5	+5.50
30		21.7	+4.35	21 42	+4.35	20		6.3	+5.47		
30	R.	5.3	+2.99	5 50- 7 30	+2.88	20	R.	9.5	+5.43	11 10-11 15	+5.78
30		8.0	+2.78			20		13.4	+6.22	12 35-13 45	+6.22
30		11.8	+4.26	11 0-12 30	+4.26	21		20.0	+5.77	20 0	+5.77
Oct. 1		18.4	+5.13	18 55-20 15	+5.20	21		23.9	+5.17	23 54	+5.17
1		20.9	+5.27			21	L.	6.2	+4.79	6 35- 9 25	+4.95
1	L.	5.1	+4.52	5 25- 7 40	+4.34	21		9.7	+5.11	11 10-11 15	+5.43
1		8.2	+4.17			21		13.3	+5.86	12 40-13 50	+5.86
						22		20.0	+6.12	20 0	+6.12
						22	Ei.-Y.	23.6	+5.76	23 36	+5.76
4	L.	21.1	+6.68	21 35-23 50	+6.79	22		3.0	+5.22	3 0	+5.22
4		0.2	+6.90			22		6.1	+5.28	3 15- 5 30	+5.25
4	R.	6.0	+6.54	6 15- 7 30	+6.55	23	R.	13.4	+4.57	13 50-13 55	+4.57
4		8.2	+6.56			25	L.	6.5	+2.57	6 30	+2.57
4		11.8	+7.79	10 55-12 45	+7.79	25		9.9	+3.39	9 54	+3.39
5		1.0	+7.75	0 20- 0 25	+7.75	25		13.6	+3.38	11 20-19 10	+3.38
6	Br.	18.5	+7.83	19 25- 1 20	+7.55	26		19.6	+3.17	19 36	+3.17
6		23.1	+7.31			26	Ei.-Y.	23.8	+2.13	23 48	+2.13
6		2.2	+7.52			26	Br.	7.9	+2.88	6 55- 9 50	+3.11
7	R.	18.5	+8.10	18 55-21 50	+7.99	26		10.2	+3.34	11 25-11 30	+3.22
11	L.	11.3	+6.02	11 0-13 10	+5.93	26		13.6	+3.02	14 0-14 5	+3.02
11		12.7	+5.84			26		20.8	+2.39	21 0-23 10	+2.45
12		19.0	+5.63	19 25-21 50	+5.46	27	Br.-Y.	23.6	+2.51	23 36	+2.51
12	Ei.-Y.	22.3	+5.28	22 40- 4 35	+5.47	27	Ei.-Y.	3.0	+1.90	3 0	+1.90
12		1.7	+5.42			27		6.2	+1.69	6 12	+1.69
12		5.5	+5.70	5 30	+5.70	27	R.	10.4	+2.14	7 20- 9 25	+1.92
12	Br.	9.3	+4.91	9 18	+4.91	27		13.8	+2.96	11 25-11 30	+2.40
12		12.7	+5.72	12 42	+5.72	28		20.5	+1.98	13 10-14 10	+2.96
13		18.8	+6.47	12 10-13 15	+5.72	28		0.2	+2.47	20 45-23 40	+2.22
				18 48	+6.47	28	L.	6.7	+2.09	6 55- 9 50	+2.26
13	Ei.-Y.	22.4	+5.85	22 24	+5.85	28		10.2	+2.43	11 30-11 35	+2.82
13		1.7	+5.40	1 42	+5.40	28		13.8	+3.49	13 20-14 15	+3.49
						29		20.5	+3.50	20 55-23 10	+3.47
13		5.1	+5.36	5 6	+5.36	29	Ei.-Y.	23.8	+3.44	0 0- 3 45	+3.23 ¹
13	R.	9.0	+4.93	9 0	+4.93	29		2.8	+3.02		
13		12.9	+6.31	12 54	+6.31	Nov. 2	Br.	7.7	+3.56	6 55- 9 40	+3.54
14		20.2	+6.00	12 10-13 20	+6.31	2		10.0	+3.51	11 40-11 45	+3.88
14		23.6	+5.67	20 50-23 10	+5.84	2		14.2	+4.39	13 50-14 35	+4.39
14	L.	6.0	+5.01	6 25- 9 25	+5.22	3		20.5	+5.12	21 0-23 50	+4.89
14		9.5	+5.43	11 0-11 5	+5.62						
14		13.0	+5.81								
15		19.8	+5.99		+5.79						
15	Ei.-Y.	22.6	+5.79	20 15- 1 10							
15		2.1	+5.60								

¹Used +4".66 for B. D.+23°423; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1903 Nov. 3	Ei.-Y.	h 0.5	" +4.66	h m h m 0 40—5 45	" +4.73	1903 Nov. 24	Br.	h 16.7	" +3.74	h m h m 15 55—16 0	" +3.74
3		3.0	+4.68			24		20.8	+3.06	20 48	+3.06
3		6.0	+4.84	6 0	+4.84	24		1.7	+2.34	1 42	+2.34
3	R.	10.1	+3.94	10 6	+3.94	25	R.	16.4	+3.43	15 55—16 5	+3.45
3		13.8	+5.43	11 45—11 50	+4.62	26	L.	22.4	+3.28	21 45—22 20	+3.28
4		21.1	+5.43	14 30—14 40	+5.43	26	Br.	9.0	+3.27	9 45—11 10	+3.07
4		0.7	+5.46	21 30—23 50	+5.44	26		12.7	+2.87		
4	L.	12.2	+5.63	11 50—11 55	+5.63	27		22.5	+1.76	22 30	+1.76
4		14.3	+6.93	14 0—14 40	+6.93	27		1.9	+0.91	1 54	+0.91
5	Br.	12.5	+5.32	11 50—11 55	+5.32	27	R.	9.8	+1.49	9 48	+1.49
5		14.5	+5.01	14 40—14 45	+5.01	27		12.7	+0.83	12 42	+0.83
6	Ei.-Y.	0.3	+1.85	0 18	+1.85	27		15.5	+1.10	16 10—16 15	+1.10
6		3.3	+1.99	3 18	+1.99	28		23.5	+4.85	23 40—0 55	+4.74
6		6.1	+0.39	3 48—6 6	(¹)	28		1.6	+4.62		
6	R.	11.1	+0.34	6 6	+0.39	29	Br.	22.8	+4.54	23 15—23 50	+4.58
6		14.5	+0.66	11 6	+0.34	29		1.0	+4.61		
7		20.5	-0.92	14 45—14 50	+0.66	29	L.	9.0	+5.24	9 30—13 20	+5.26
7		0.9	-1.41	21 0—0 10	-1.16	29		12.3	+5.28		
7		6.4	-0.91	5 35—5 40	-0.91	29		15.9	+5.35	16 20—16 25	+5.35
8	L.	6.4	+1.56	6 24	+1.56	30		22.7	+4.99	23 0—1 40	+4.90
8		10.5	+0.64	10 30	+0.64	30	Br.	9.0	+4.47	9 40—13 25	+4.60
8		14.6	+0.77	12 0—15 0	+0.77	30		12.8	+4.73		
9		21.3	+1.20	21 40—0 5	+0.96	30		16.1	+4.64	16 20—16 30	+4.64
9	Ei.-Y.	0.8	+0.73	1 5—6 40	+0.59	Dec. 1		22.9	+4.75	23 45—2 15	+4.64
9		4.3	+0.66			1		1.9	+4.54		
9		7.3	+0.37			3	Br.	22.6	+5.18	22 55—1 40	+5.14
9	Br.	10.6	+0.52	7 40—10 0	+0.44	3	Ei.-Y.	2.6	+5.11	2 36	+5.11
9		14.7	+1.08	12 5—12 10	+0.73	3		5.5	+5.52	5 30	+5.52
10		21.3	+1.97	21 45—1 30	+1.96	3		8.5	+5.79	8 30	+5.79
10		0.7	+1.96			3	R.	12.6	+4.90	12 36	+4.90
10	R.	8.4	+1.17	8 40—11 20	+1.04	3		16.2	+5.08	16 35—16 45	+5.08
10		11.9	+0.92	12 5—12 10	+0.97	4	Br.	13.3	+5.14	13 35—13 40	+5.14
10		14.5	+1.40	15 0—15 5	+1.40	4		16.2	+5.62	16 40—16 45	+5.62
11	L.	7.6	+1.98	8 0—10 40	+1.96	5		22.8	+5.56	23 15—1 50	+5.44
11		11.0	+1.93	12 10—15 10	+1.95	5		2.4	+5.33		
11		14.6	+1.95			5		6.5	+5.24	6 15—6 20	+5.24
12		21.4	+1.60	21 50—0 25	+1.56	6	R.	8.4	+4.91	8 40—11 25	+4.78
12	Ei.-Y.	1.0	+1.51			8		12.0	+4.65		
12	Br.	7.7	+0.37	7 42	+0.37	6		16.4	+4.41	16 50—16 55	+4.41
12		11.2	-0.20	11 12	-0.20	7		22.8	+5.05	23 20—1 30	+4.98
12		14.8	+0.36	12 15—15 15	+0.36	7	Ei.-Y.	2.6	+4.91	2 0—8 25	+4.79
Micrometer removed to insert new thread.						7		5.4	+4.72		
20	Br.	8.5	+2.26	9 5—12 45	+2.36	7		8.6	+4.73		
20		12.2	+2.45			7	Br.	13.0	+4.47	9 20—13 55	+4.60
20		15.3	+2.18	15 40—15 45	+2.18	7		16.6	+5.01	16 55—17 0	+5.01
21		21.7	+1.84	22 5—23 45	+1.86	9	Br.	9.7	+4.07	10 5—12 25	+4.04
21		0.9	+1.89			9		13.2	+4.01	13 55—14 0	+4.08
22	L.	8.9	+3.17	9 20—10 50	+3.17	9		16.5	+4.29	17 0—17 10	+4.29
22		11.5	+3.17			10	R.	11.9	+4.57	11 15—12 55	+4.57
23	Ei.-Y.	0.9	+3.49	1 30—3 15	+3.62	10		16.5	+4.43	17 5—17 15	+4.43
23		4.0	+3.75			11		23.4	+4.52	0 0—6 25	+4.50

¹A comparison of reduced declinations, $\alpha=3^h 28^m$ to $\alpha=5^h 43^m$, with those of the same stars on other nights indicates a change of about 2" in nadir reading between $3^h 18^m$ and $3^h 48^m$. From the latter time on the change seems to have been fairly uniform, and the adopted rate of change was obtained from a discussion of the declination residuals obtained by comparing the results of this night with the mean results from all the other nights.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1903		h	"	h m h m	"	1903		h	"	h m h m	"
Dec. 11	Ei.-Y.	2.6	+4.40			Dec. 30	R.	19.6	+2.69	18 30—20 0	+2.69
11		6.0	+4.57			30		3.4	+3.28	2 55—3 40	+3.28
11	Br.	10.2	+4.28	10 50—13 30	+4.18	30	Br.	11.8	+3.39	12 20—13 55	+3.24
11		13.8	+4.08	14 5—14 10	+4.08	30		14.8	+3.10	15 30—15 35	+3.07
11		16.7	+3.88	17 10—17 20	+3.88	30		18.1	+2.98	18 35—18 40	+2.98
14	M.	0.4	+5.14	1 30—3 40	+4.90	31		1.1	+2.62	1 25—3 55	+2.62
14		4.5	+4.66			31		5.1	+2.62		
14	Br.	12.8	+4.98	13 20—14 25	+4.98	1904					
14		16.9	+5.24	17 25—17 30	+5.24	Jan. 13	Br.	12.4	-1.76	12 50—14 50	-1.94
15		23.6	+4.77	23 36	+4.77	13		15.2	-2.13	16 35—16 40	-1.84
15	Ei.-Y.	2.9	+4.24	2 54	+4.24	13	Br.-M.	19.0	-1.61	19 35—19 45	-1.61
15		6.0	+5.21	6 0	+5.21	14	Br.	1.0	-1.20	1 20—2 35	-1.51
16	R.	0.7	+4.39	1 10—2 40	+4.40	14		2.7	-1.82		
16		3.3	+4.40			14	Ei.-Y.	3.2	-1.09	3 40—7 25	-1.18
16	Br.	11.0	+5.07	11 40—13 30	+5.00	14		7.6	-1.28		
16		14.1	+4.93	14 25—14 30	+4.93	14	M.	17.6	-1.24	16 40—16 45	-1.24
16		16.9	+4.33	17 35—17 40	+4.33	14	M.-Ei.	19.3	-0.74	19 40—19 50	-0.74
17		23.3	+4.57	23 35—2 10	+4.37	15	M.	0.3	-0.95	1 0—2 35	-0.84
17		2.8	+4.17			15		2.9	-0.74		
17	M.	10.2	+4.69	11 10—12 40	+4.68	15	Ei.-Y.	3.3	-1.20	3 55—6 10	-1.02
17		13.3	+4.68	14 30—18 50	+4.54	15		6.9	-0.84		
17		16.8	+4.25			15	Br.	12.4	-0.80	12 55—14 25	-0.80
18		19.4	+4.70			15		15.2	-0.81		
18		23.4	+4.44	0 5—2 15	+4.68	17	M.	18.4	+1.88	16 55—17 0	+1.88
18		3.3	+4.91			17	M.-Br.	19.5	+2.21	19 55—20 0	+2.21
18	R.	11.3	+4.99	12 0—13 30	+5.08	18	M.	0.5	+2.09	1 20—3 0	+2.14
18		14.4	+5.16	14 35—14 40	+5.16	18		3.7	+2.19		
18		17.5	+4.91	17 40—17 50	+4.91	20	Br.	13.2	-0.52	14 0—15 5	-0.52
20	M.	10.4	+3.93	11 5—14 50	+3.92	20		15.8	-0.53		
20		13.4	+3.92			20	Br.-M.	19.7	-0.10	20 5—20 15	-0.10
21	Br.	11.8	+3.46	12 10—13 30	+3.70	21	Br.	0.7	+1.18	1 20—1 50	+0.98
21		14.0	+3.95			21		3.1	+0.77		
21		17.7	+3.53	17 55—18 0	+3.53	24	Br.	1.3	+5.66	1 25—3 45	+5.52
22		23.6	+3.43	23 45—2 35	+3.56	24		4.6	+5.38		
22	Ei.-Y.	2.8	+3.68	3 25—7 25	+3.51	24	M.	12.7	+4.94	13 20—15 30	+4.96
22		6.6	+3.34			24		16.0	+4.98		
22	R.	11.2	+3.07	11 55—14 15	+3.04	24	M.-R.	20.0	+5.27	20 25—20 30	+5.27
22		14.6	+3.01	14 50—14 55	+3.01	25	M.	0.9	+4.99	1 20—2 55	+5.00
22		17.5	+3.40	17 30	+3.40	25		3.1	+5.01		
23		19.7	+3.98	19 42	+3.98	25	Ei.-Y.	3.4	+4.96	3 55—9 40	+5.04
23		22.5	+4.45	22 30	+4.45	25		6.6	+4.88		
23		2.2	+3.96	22 40—1 25	+4.20	25		10.4	+5.27		
25	R.	17.7	+3.08	18 15—18 20	+3.24	26	R.	18.3	+5.22	17 45—17 50	+5.22
26		19.8	+3.40			26	R.-M.	19.9	+4.98	20 30—20 40	+4.98
26		23.9	+3.75								
26		2.5	+3.69	0 40—2 10	+3.72						
27	M.	10.9	+1.80	11 40—12 20	+2.04						
27		13.1	+2.27								
27		17.9	+2.53	18 20—18 30	+2.53						
28		23.9	+2.51	0 35—2 10	+2.62						
28		2.7	+2.72								
28	Br.	17.8	+2.50	18 25—18 35	+2.50						
29		0.3	+2.45	0 40—3 20	+2.40						
29		4.2	+2.34								

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1904		h	"	h m h m	"	1904		h	"	h m h m	"
Jan. 27	R.	1.4	+5.11	1 55— 2 55	+5.06	Feb. 10	Br.-M.	21.1	+5.50	21 30—21 40	+5.50
27		3.0	+5.02			11	Br.	5.2	+5.72	5 35— 8 25	+5.74
27	Ei.-Y.	3.3	+5.12	3 55— 6 25	+5.10	11		8.9	+5.76		
27		7.6	+5.07			11	M.	11.7	+5.91	12 10—14 50	+5.91
27	Br.	13.2	+5.30	13 20—15 15	+5.08	11		15.3	[+4.50] ¹		
27		15.9	+4.85			12	R.-Br.	21.3	+2.76	21 40—21 45	+2.76
29	R.-Br.	20.3	+4.67	20 45—20 50	+4.67	13	R.	3.0	+2.31	3 35— 4 20	+2.13
30		1.6	+4.85	2 10— 3 0	+4.62	13		4.5	+1.95		
30	R.	3.2	+4.38			14	M.	12.7	+0.55	12 10—15 50	+0.68
30		3.4	+4.52	3 55— 7 20	+4.43	14		15.2	+0.80		
30	Ei.-Y.	7.6	+4.34			14		19.9	+0.94	19 20—20 10	+0.94
Feb. 2	Br.	2.3	+3.76	2 40— 3 55	+3.94	14	M.-Br.	21.5	+0.77	21 50—21 55	+0.77
2		4.1	+4.11			15	M.	2.9	+0.97	3 50— 4 20	+0.96
2	R.	11.1	+4.33	10 25—12 0	+4.33	15		4.5	+0.95		
2	R.-Y.	20.3	+5.09	21 0—21 5	+5.09	15	Ei.-Y.	4.8	+0.96	4 48	+0.96
3		2.2	+5.24	2 45— 3 50	+5.12	15		8.8	+1.67	8 48	+1.67
3	R.	4.0	+5.00			19	R.-M.	21.6	+2.53	22 5—22 15	+2.53
3		4.7	+4.78	4 10— 7 20	+4.74	20	R.	4.0	+2.12	4 15— 5 0	+2.02
3	Ei.-Y.	8.2	+4.70			20		5.2	+1.92	5 35— 8 25	+1.80
3	Br.	11.3	+4.67	11 18	+4.67	20	Ei.-R.	9.0	+1.68		
3		15.4	+5.64	15 24	+5.64	22	Ei.	2.55	+1.76	2 50— 2 55	+1.76
3	Br.-R.	20.6	+5.44	21 5—21 10	+5.44	22	Ei.-M.	5.3	+1.53	5 45—11 45	+1.94
4		2.5	+5.11	2 50— 3 50	+5.03	22		8.8	+2.32		
4	Br.	4.0	+4.95			22		11.9	+1.96		
4		5.1	+4.96	4 10— 7 20	+4.96	22	Br.	12.8	+1.94	12 10—15 55	+2.13
4	Ei.-Y.	7.7	+4.95			22		16.6	+2.32	20 5—20 55	+2.58
4	R.	13.2	+4.24	12 15	+4.24	22		20.4	+2.58		
6	Ei.-Y.	4.5	+5.87	4 55—11 5	+5.76	22	Br.-R.	21.9	+2.89	22 20—22 25	+2.89
6		8.1	+5.73			23	Ei.	4.0	+3.89	3 40— 3 45	+3.89
6		11.4	+5.67			23	Ei.-R.	5.7	+3.37	5 42	+3.37
7	Br.-Y.	21.0	+6.60	21 20—21 30	+6.60	23		9.0	+3.07	9 0	+3.07
8		2.8	+6.87	3 15— 4 20	+6.68	23		12.2	+2.57	12 12	+2.57
8	Br.	4.5	+6.50			23	M.	20.7	+2.99	20 10—20 15	+2.99
8		5.2	+7.15	5 25— 7 50	+7.06	23	M.-Br.	22.0	+2.61	22 25—22 30	+2.61
8	Ei.-Y.	8.2	+6.97	8 35—10 45	+6.80	24	Ei.	5.1	+1.98	4 40— 4 45	+1.98
8		11.6	+6.62			24					
8	Br.	12.6	+7.15	12 10—16 10	+7.01	24	Ei.-M.	5.7	+1.85	5 0—11 50	+1.83
8		16.4	+6.87			24		9.0	+1.93		
8		19.2	+6.57	18 50—18 55	+6.57	24		12.2	+1.71		
8	Br.-R.	21.1	+6.49	21 25—21 30	+6.49	24	Br.	13.7	+1.81	14 0—16 35	+1.98
9		2.8	+5.63	3 10— 4 20	+5.69	24		17.1	+2.14	20 15—20 20	+3.54
9	Br.	4.5	+5.75			24		20.9	+3.54		
9		4.8	+5.87	4 48	+5.87	24	Br.-R.	22.0	+3.84	22 25—22 35	+3.84
9	Ei.-Y.	8.7	+5.37	8 42	+5.37	25	Ei.-R.	6.0	+3.70	5 40— 8 40	+3.70
10						25		9.3	+3.69		
10	Br.	18.8	+6.32	19 0—19 5	+6.32	27	Ei.-M.	5.8	+2.01	6 10— 7 50	+1.90
10		20.9	+6.05	19 50—19 55	+6.05	27		8.9	+1.79		

¹ Microscope VI evidently changed between last star and nadir. Microscopes V and VII give +5".53.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1904 Mar. 1	Br.	4.6	+1.83	4 55—6 5	+1.76	1904 Mar. 16	Ei.-Y.	7.3	+4.72	7 35—13 30	+4.76
1		6.3	+1.68			16		10.5	+4.75		
1	Ei.-M.	6.6	+1.94	7 15—10 55	+1.80	16		14.0	+4.82		
1		11.4	+1.67			16	R.	14.8	+4.95	14 55—17 5	+4.92
2	R.	4.7	+1.55	5 10—6 20	+1.57	16		17.7	+4.88		
2		6.5	+1.59			16		23.2	+5.35	21 55—22 0	+5.35
3	M.	16.8	+0.54	14 0—21 55	+0.52	16	R.-Br.	23.5	+5.15	23 45—23 50	+5.15
3		21.5	+0.51			18	Br.	6.5	+4.76	6 0—9 15	+4.79
3	M.-R.	22.7	+0.63	22 55—23 5	+0.63	18		9.8	+4.82		
4	M.	4.7	+4.35	4 42	+4.35	18	M.	14.8	+4.57	15 5—17 10	+4.58
4		6.3	+3.79	6 18	+3.79	18		17.7	+4.59		
4	Ei.-Y.	6.6	+4.02	7 15—9 45	+3.98	18		22.4	+4.79	22 5—23 35	+4.79
4		10.1	+3.95			18	M.-R.	23.7	+5.38	23 50—0 0	+5.38
4	R.	14.2	+2.80	14 30—16 40	+2.75	22	Ei.-Y.	7.1	+5.52	7 35—9 50	+5.44
4		17.6	+2.70			22		10.6	+5.35		
4		22.7	+2.63	21 0—22 5	+2.63	22	M.	14.7	+5.63	15 5—17 5	+5.65
4	R.-Br.	22.8	+1.95	23 0—23 5	+1.95	22		17.7	+5.67		
5	R.	5.1	+5.03	5 30—6 20	+5.08	23	Ei.-Y.	7.1	+4.59	7 35—9 45	+4.58
5		6.7	+5.12			23		9.9	+4.56		
7	Br.	21.1	+7.35	21 15—21 20	+7.35	23	R.	14.9	+4.87	15 5—17 25	+4.87
7	Br.-R.	22.9	+7.36	23 10—23 20	+7.36	23		18.1	+4.87		
8	Br.	5.0	+5.05	5 30—7 0	+4.86	23		23.6	+5.36	22 30—22 35	+5.36
8		6.7	4.68			23	R.-Br.	23.9	+5.26	0 10—0 15	+5.26
8	R.	14.6	+4.69	15 15—17 35	+4.58	24	R.	6.2	+5.11	8 15—7 30	+5.19
8		17.2	+4.47			24		8.1	+5.27		
8	R.-M.	22.8	+5.23	23 15—23 20	+5.23	25	Ei.-Y.	7.9	+7.77	7 54	+7.77
9	R.	5.2	+4.45	5 45—6 40	+4.34	25		11.3	+8.65	11 18	+8.65
9		6.9	+4.24			25	M.	14.8	+8.60	15 40—17 35	+8.64
9	Ei.-Y.	7.2	+4.28	7 35—10 5	+4.02	25		18.0	+8.68		
9		10.3	+3.76	10 55—13 30	+3.78	27	Br.	8.6	+7.06	8 36	+7.06
9		13.9	+3.79			27		12.3	+6.16	12 18	+6.16
9	M.	14.1	+4.27	14 20—16 35	+4.22	28	Ei.-Y.	10.7	+6.07	10 10—14 0	+6.18
9		17.2	+4.16			28		14.6	+6.28		
9		22.9	+4.42	22 30—22 35	+4.42	28	Br.	15.5	+6.46	15 30	+6.46
9	M.-Br.	23.0	+4.38	23 20—23 25	+4.38	28		18.4	+5.72	18 24	+5.72
10	M.	5.3	+4.66	5 45—6 35	+4.64	28		22.4	+5.79	22 55—23 0	+5.79
10		6.7	+4.63			28	Br.-M.	0.1	+6.55	0 30—0 35	+6.55
15	Br.	5.7	+4.74	6 0—7 0	+4.83	29	Ei.-Y.	7.6	+5.93	8 10—14 0	+6.00
15		7.2	+4.92			29		10.8	+5.78		
15	Ei.-Y.	7.5	+4.62	7 35—13 25	+4.73	29		14.5	+6.30		
15		10.7	+4.99			29	M.	14.9	+6.44	15 15—16 55	+6.25
15		13.9	+4.59			29		17.5	+6.06		
15	M	23.4	+4.89	23 10—23 15	+4.89	29	M.-R.	0.2	+6.16	0 30—0 40	+6.16
15	M.-R.	23.5	+4.38	23 40—23 50	+4.38	Apr. 1	M.	14.5	+6.12	15 5—17 5	+6.23
16	M.	5.6	+4.60	6 20—7 0	+4.58	1		17.8	+6.24		
16		7.1	+4.57			1		23.8	+6.05	23 10—23 15	+6.05
						2	M.	1.5	+6.25	1 10—1 15	+6.25

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1904 Apr. 2	2 2 2 3 3 3 3 3 4 4 4 4 5 5 5 5 5 6 7 7 7 8 9 9 11 11 12 12 12 12 13 13 13 14 14 14	h 7.3 11.1 15.6 17.4 7.6 11.1 15.8 18.7 0.1 0.6 2.1 7.9 11.7 14.8 18.6 0.2 0.4 2.0 7.4 9.0 9.2 12.4 16.1 16.3 18.6 0.2 0.6 7.5 8.0 9.9 12.6 20.3 7.9 9.0 7.9 12.2 15.7 18.6 0.7 1.1 8.7 12.9 15.7 18.5 9.3 12.7 15.7	" +5.66 +5.51 +5.42 +4.62 +5.89 +5.66 +5.85 +5.63 +6.04 +6.11 +6.06 +5.29 +5.17 +5.27 +4.96 +6.26 +6.36 +6.91 +6.35 +6.36 +6.39 +6.02 +6.58 +6.84 +6.46 +6.58 +6.57 +6.52 +6.63 +6.59 +6.37 +7.64 +8.44 +8.14 +6.31 +6.45 +6.33 +6.26 +6.07 +6.02 +5.44 +5.61 +5.56 +5.62 +5.82 +6.01 +5.50	h m h m 7 55—10 40 15 36 17 24 7 55—10 40 16 10—17 55 23 20—23 25 0 50—0 55 1 25—1 30 8 10—11 10 15 5—18 5 23 25—23 30 0 55—1 0 1 30—1 35 7 55—8 55 0 55—15 35 16 25—18 10 23 35—23 40 1 0—1 10 8 0—8 55 10 0—13 20 20 40—20 45 8 20—8 55 8 30—11 50 16 5—17 50 0 0—0 5 1 25—1 30 8 55—12 20 16 10—18 0 9 55—15 35	" +5.58 +5.42 +4.62 +5.78 +5.74 +6.04 +6.11 +6.06 +5.23 +5.12 +6.26 +6.36 +6.91 +6.36 +6.33 +6.65 +6.58 +6.57 +6.58 +6.48 +7.64 +8.29 +6.38 +6.30 +6.07 +6.02 +5.52 +5.59 +5.78	1904 Apr. 14 14 14 14 15 15 15 16 16 16 16 17 17 17 17 18 18 18 18 18 18 19 19 19 19 20 20 20 20 20 20 21 21 21 21 21 21	Br. Br.-R. Ei.-Y. M. M.-R. M. Ei.-Y. R. R.-Br. R. Ei.-Y. Br.-M. Br. M. Ei.-Y. R. R.-Br. R. Ei.-Y. Br. R.-Br. R. Ei.-Y. Br. Br.-M.	h 16.6 18.9 0.9 1.3 9.5 12.5 0.7 1.3 3.2 8.7 9.7 9.9 12.9 16.2 17.2 19.1 1.1 1.5 3.4 8.5 11.7 11.9 15.3 18.8 1.5 9.4 13.4 15.6 19.1 1.3 1.5 4.7 9.9 13.0 16.2 16.5 19.0 1.5 1.8 7.4 10.2 13.4 16.7 16.9 19.1 1.6 1.7	" +5.62 +5.57 +5.58 +5.76 +5.50 +5.74 +6.12 +6.22 +6.32 +5.98 +5.65 +5.90 +5.64 +5.55 +6.26 +6.25 +6.54 +6.42 +6.25 +5.67 +5.85 +5.82 +5.57 +5.72 +5.91 +5.72 +7.69 +7.06 +7.29 +6.48 +6.43 +5.87 +5.38 +5.15 +5.55 +5.87 +6.05 +5.96 +6.07 +5.73 +5.22 +5.40 +5.70 +5.98 +5.83 +6.20 +6.10	h m h m 16 5—18 20 0 10—0 15 1 30—1 35 9 55—12 20 0 15—0 20 1 35—1 40 2 45—2 50 9 0—9 35 10 10—15 45 16 5—18 35 0 25—0 30 1 40—1 50 2 55—3 0 9 10—11 35 12 35—18 10 1 45—1 50 0 24 13 24 15 50—18 25 0 35—0 40 1 50—1 55 3 5—3 10 10 10—15 45 16 40—0 45 1 50—2 0 7 0—7 5 10 20—13 0 13 40—16 15 17 15—18 40 0 45—0 50 1 55—2 5	" +5.60 +5.58 +5.76 +5.62 +6.12 +6.22 +6.32 +5.82 +5.70 +6.26 +6.54 +6.42 +6.25 +5.76 +5.70 +5.91 +5.72 +7.69 +7.18 +6.48 +6.43 +5.87 +5.36 +5.96 +6.07 +5.73 +5.31 +5.55 +5.90 +6.20 +6.10

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1904 Apr. 22	Br.	h 7.4	" +6.65	h m h m 8 0—8 5	" +6.65	1904 May 8	R.	h 16.9	" +6.62	h m h m 17 15—17 45	" +6.48
22		9.6	+5.86	9 50—12 20	+6.02	8		18.8	+6.34		
22		12.8	+6.17			8	R.-Br.	2.7	+6.13	3 0—3 10	+6.13
22	M.	15.5	+6.15	15 50—18 40	+6.34	10	M.	2.7	+3.92	2 10—2 15	+3.92
22		19.3	+6.53			10	M.-R.	2.8	+4.07	3 10—3 15	+4.07
24	R.	1.8	+8.88	0 55—1 0	+8.88	10	M.-R.	2.8	+4.07	3 10—3 15	+4.07
24	R.-Br.	1.9	+8.60	2 5—2 15	+8.60	11	Ei.-Y.	11.8	+4.30	12 0—17 55	+4.11
25	R.	4.1	+8.00	3 20—3 25	+8.00	11		15.1	+4.07		
29	R.-M.	2.8	+6.20	2 20—2 30	+6.20	11		17.8	+3.97		
May 1	M.	13.4	+6.16	13 40—16 10	+5.92	11	R.	18.2	+4.46	18 0—19 20	+4.47
1		16.3	+5.67			11		20.0	+4.48		
1	M.-R.	16.5	+5.87	16 40—16 45	+5.87	11		2.7	+4.07	2 15—2 20	+4.07
1	R.	19.6	+5.96	17 35—19 0	+5.92	11	R.-Br.	3.0	+4.15	3 15—3 20	+4.15
2	Ei.-Y.	9.6	+5.94	9 36	+5.94	12	Ei.-Y.	11.8	+4.49	12 0—17 55	+4.52
2		13.8	+6.49	13 48	+6.49	12		15.1	+4.52		
2	Br.	16.8	+6.11	16 48	+6.11	12		17.7	+4.55		
2		19.8	+5.28	19 48	+5.28	12	Br.	18.2	+4.95	18 20—19 30	+4.74
2		1.3	+6.23	1 35—1 40	+6.23	12		20.1	+4.53		
2	Br.-M.	1.4	+5.89	2 40—2 45	+5.89	12		3.0	+5.40	2 20—2 25	+5.40
3	Br.	11.0	+6.24	11 35—13 55	+6.25	12	Br.-M.	3.2	+5.73	3 15—3 25	+5.73
3		14.8	+6.26			13	Br.	11.9	+6.16	12 20—15 10	+6.40
3	M.	16.8	+6.07	17 20—19 0	+6.12	13		15.7	+6.63		
3		19.6	+6.18			13	M.	16.2	+6.57	16 25—19 20	+6.66
3	M.-R.	2.4	+6.10	2 40—2 50	+6.10	13		19.9	+6.74		
4	M.	9.9	+6.20	10 35—11 45	+6.20	13		2.2	+6.46	2 25—2 30	+6.46
4		11.9	+6.21			13	M.-R.	3.0	+6.31	3 20—3 30	+6.31
4	Ei.-Y.	12.2	+6.36	12 50—15 15	+6.34	15	R.	17.2	+4.78	17 12	+4.78
4		15.7	+6.32	15 55—18 40	+6.12	15		20.1	+3.33	20 6	+3.33
4		19.3	+5.93			15		3.1	+4.32	2 35—2 40	+4.32
4	R.	2.5	+6.79	1 40—1 45	+6.79	15	R.-Br.	3.3	+4.13	3 30—3 35	+4.13
4	R.-Br.	2.6	+6.42	2 45—2 50	+6.42	16	Br.	16.5	+4.29	16 55—18 45	+4.28
5	R.	10.3	+4.87	10 35—11 45	+4.90	16		19.5	+4.26		
5		12.0	+4.93			24	Ei.-Y.	12.2	+6.49	12 30—15 10	+6.77
5	Ei.-Y.	12.3	+5.25	12 50—18 40	+5.36	24		15.5	+7.05	15 55—18 20	+7.00
5		15.6	+5.35			24		18.5	+6.96		
5		19.3	+5.49			24	R.	18.6	+7.37	18 50—19 55	+7.43
5	Br.	20.8	+5.11	20 20—20 25	+5.11	24		20.5	+7.49		
5		2.3	+5.57	1 45—1 50	+5.57	24		3.8	+6.81	3 15—3 20	+6.81
5	Br.-M.	2.5	+5.55	2 50—2 55	+5.55	24	R.-Br.	3.9	+6.64	4 5—4 10	+6.64
7	M.	10.6	+6.73	10 40—11 35	+6.78	25	Br.	14.4	+8.25	13 25—16 55	+8.37
7		11.7	+6.83			25		18.0	+8.49		
7	Ei.-Y.	12.0	+6.87	12 20—15 15	+6.82	25		3.8	+7.75	3 20—3 25	+7.75
7		15.7	+6.07 ¹	15 55—18 40	+6.04	25	Br.-R.	3.9	+7.51	4 10—4 15	+7.51
7		19.1	+6.02			26	Ei.	13.3	+8.22	13 40—15 10	+8.19
						26		15.9	+8.16		
						26	R.	3.9	+6.94	4 15—4 20	+6.94

¹ Microscope VIII disturbed after 15^h 11^m. If two microscopes used corr.=6".79. The quantity 0".7 added to the observed reading to obtain the adopted before 15^h 11^m.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1904 May 27	Ei.-Y.	12.5	+ 9.30	12 30	+ 9.30	1904 June 14	Br.	12.8	+7.79	13 20—14 25	+7.87
27		15.6	+ 8.25	15 36	+ 8.25	14		14.5	+7.95		
27		18.7	+ 7.83	15 55—18 35	+ 8.04	14	Ei.-Y.	14.7	+8.05	15 5—17 5	+7.95
27	Br.	19.3	+ 7.86	18 55—20 15	+ 7.65	14		17.2	+7.85	17 30—20 15	+7.60
27		20.8	+ 7.44			14		20.6	+7.34		
27		4.0	+ 6.96	3 30—3 35	+ 6.96	14	M.	4.3	+7.24	4 0—5 10	+7.24
27	Br.-R.	4.2	+ 6.85	4 15—4 25	+ 6.85	14	M.-R.	5.3	+7.46	5 30—5 40	+7.46
28	Ei.-Y.	13.1	+ 9.53	13 15—19 35	+ 9.46	15	M.	13.8	+8.74	14 5—16 45	+8.75
28		16.7	+ 9.56			15		17.1	+8.76		
28		19.7	+ 9.29			15	R.	17.3	+8.71	17 35—21 0	+8.74
29	R.	14.8	+10.05	15 20—17 0	+10.30	15		21.6	+8.77		
29		18.0	+10.56			15					
30	Br.	17.4	+10.36	18 10—18 15	+10.36	15	R.-Br.	5.4	+8.17	5 35—5 40	+8.17
30	Br.-R.	4.3	+10.08	4 30—4 35	+10.08	17	Ei.-Y.	14.5	+8.32	14 50—20 50	+8.19
June 3	Ei.-Y.	13.1	+ 8.38	13 15—16 15	+ 8.58	17		17.7	+8.21		
3		16.7	+ 8.77			17		21.4	+8.05		
3	Br.	17.6	+ 8.84	17 50—21 45	+ 8.60	17	M.-R.	5.5	+8.21	5 45—5 50	+8.21
3		21.3	+ 8.37			18	M.	13.8	+8.73	14 5—14 45	+8.75
3	Br.-R.	4.5	+ 9.29	4 45—4 55	+ 9.29	18		14.9	+8.77		
5	Br.	3.1	+10.97	3 20—4 25	+11.34	18	Ei.-Y.	15.1	+8.74	15 15—21 20	+8.96
5		4.6	+11.72			18		18.4	+9.21		
5	Br.-R.	4.7	+11.16	4 55—5 5	+11.16	18		21.9	+8.92		
7	Br.	3.3	+ 9.12	3 25—3 30	+ 9.12	19	R.	5.5	+9.57	4 30—4 35	+9.57
7		4.8	+ 9.38	4 30—4 35	+ 9.38	19	R.-Br.	5.6	+9.11	5 50—6 0	+9.11
7	Br.-R.	4.9	+ 9.35	5 0—5 10	+ 9.35	20	Br.	19.7	+9.86	20 20—21 25	+9.74
8	Ei.-Y.	14.5	+ 9.61	14 30	+ 9.61	20		22.0	+9.61		
8		17.4	+ 8.85	17 24	+ 8.85	21	M.	5.0	+8.88	4 40—4 45	+8.88
8		20.1	+ 7.73	20 6	+ 7.73	21	M.-R.	5.8	+9.11	6 0—6 5	+9.11
8	R.	4.8	+ 8.42	3 30—4 40	+ 8.42	22	Ei.-Y.	14.7	+9.36	14 42	+9.36
8						22		17.7	+8.82	17 42	+8.82
8	R.-Br.	4.9	+ 7.97	5 5—5 15	+ 7.97	22		21.4	+8.80	17 50—20 50	+8.81
10	M.	4.0	+ 6.42	3 40—4 50	+ 6.42	22	R.	5.9	+7.92	4 50—4 55	+7.92
10	M.-R.	5.0	+ 6.67	5 15—5 20	+ 6.67	22	R.-Br.	6.0	+7.64	6 5—6 10	+7.64
11	M.	12.4	+ 6.69	13 20—14 25	+ 6.80	23	Ei.-Y.	14.8	+8.16	14 55—18 0	+8.26
11		14.5	+ 6.91			23		18.5	+8.36	18 50—21 20	+8.04
11	Ei.-Y.	14.6	+ 6.89	14 45—17 5	+ 6.90	23		21.9	+7.72		
11		17.4	+ 6.90			23	Br.	5.3	+7.69	4 55—5 0	+7.69
12	R.	15.2	+ 8.11	15 40—19 50	+ 8.06	23	Br.-M.	5.8	+7.74	6 10—6 15	+7.74
12		18.6	+ 8.02			24	M.	15.0	+9.63	15 30—19 5	+9.56
12		5.2	+ 7.68	3 50—5 0	+ 7.68	24		17.6	+9.54		
12	R.-Br.	5.2	+ 7.29	5 20—5 30	+ 7.29	24		19.6	+9.50		
13	Ei.-Y.	14.4	+ 7.60	14 45—20 20	+ 7.43	24		5.4	+9.29	5 5—5 10	+9.29
13		17.3	+ 7.27			24	M.-R.	6.0	+8.84	6 10—6 20	+8.84
13		20.6	+ 7.41			26	R.	18.4	+9.82	18 24	+9.82
13	Br.	3.3	+ 6.37	3 55—4 0	+ 6.37	26		21.4	+9.29	21 24	+9.29
13		5.2	+ 6.76	5 0—5 5	+ 6.76	28	M.-R.	6.2	+8.53	6 30—6 35	+8.53
13	Br.-M.	5.3	+ 6.74	5 25—5 35	+ 6.74						

Micrometer removed to insert new thread.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1904 June 29	R.-Br.	6.3	+5.90	6 35—6 40	+5.90	1904 July 18	M.	8.8	+6.77	8 30—8 35	+6.77
30	R.	18.3	+6.82	17 10—17 45	+6.82	18	Ei.-Y.	17.6	+6.82	17 50—20 25	+6.56
30	Br.-M.	6.4	+5.90	6 35—6 45	+5.90	18		20.8	+6.31	21 10—23 40	+6.25
July 1	M.	6.3	+5.46	6 5—6 10	+5.46	18		0.0	+6.19		
1	M.-R.	6.4	+5.11	6 40—6 50	+5.11	18	Br.-M.	7.6	+6.11	7 50—7 55	+6.11
2	R.	20.1	+4.27	20 6	+4.27	19	Br.	10.0	+6.30	8 5—8 45	+6.30
2		22.7	+3.58	22 42	+3.58	19		15.2	+6.72	16 5—17 45	+6.60
3	R.	0.2	+4.85	23 40—23 45	+4.85	19	Ei.-Y.	18.6	+6.66	18 36	+6.66
4	Br.	6.3	+6.75	6 30—6 35	+6.75	19		22.2	+5.69	22 12	+5.69
5	M.	1.6	+6.56	1 15—1 20	+6.56	19	T.	22.3	+5.65	22 40—23 50	+5.74
6	Ei.-Y.	15.4	+7.15	15 24	+7.15	19		0.7	+5.83		
6		19.5	+6.56	19 30	+6.56	19	T.-M.	7.4	+6.13	7 55—8 0	+6.13
6		22.9	+6.54	20 5—22 25	+6.55	20	T.	15.4	+6.57	15 24	+6.57
7	Br.	20.2	+6.23	20 35—22 50	+6.17	20		17.7	+5.69	17 42	+5.69
7		23.3	+6.11			20	M.	21.0	+5.97	21 15—23 55	+5.70
7	Br.-R.	7.7	+6.00	7 5—7 15	+6.00	20		0.3	+5.44		
10	R.	21.2	+6.21	20 40—23 0	+6.11	20	M.-Br.	7.7	+5.67	8 0—8 5	+5.67
10		23.6	+6.01			21	M.	8.5	+6.10	8 55—9 0	+6.10
10	R.-Br.	7.2	+5.77	7 20—7 25	+5.77	22	Br.	16.8	+5.58	17 0—17 40	+5.64
11	Ei.-Y.	15.8	+6.59	15 30—19 15	+6.33	22		17.8	+5.71		
11		19.8	+6.07			24	T.	15.9	+5.49	16 20—17 50	+5.29
11	Br.	20.3	+6.29	20 30—23 15	+6.10	24		19.2	+5.09		
11		23.8	+5.91			25	Ei.-Y.	19.6	+5.28	19 15—20 45	+5.07
12	M.	21.2	+6.63	21 12	+6.63	25		20.9	+4.86		
12		23.6	+5.81	23 36	+5.81	25	Br.	21.3	+5.00	21 25—0 20	+4.72
12	M.-R.	7.2	+5.46	7 25—7 35	+5.46	25		0.9	+4.45		
13	R.	19.7	+5.71	19 55—21 40	+5.80	25	Br.-M.	8.2	+5.49	8 20—8 25	+5.49
13		22.4	+5.90			26	Br.	10.1	+5.49	8 40—9 35	+5.49
13	R.-Br.	7.3	+4.61	7 30—8 0	+4.61	26		15.9	+5.73	16 25—19 20	+5.63
14	Ei.-Y.	16.7	+5.37	17 10—23 15	+5.50	26		19.7	+5.53		
14		20.2	+5.75			26	T.	19.9	+5.43	20 10—23 0	+5.37 ¹
14		23.4	+5.38			26		23.8	+5.31		
14	Br.-M.	7.3	+4.96	7 35—7 40	+4.96	26	T.-M.	8.0	+4.94	8 20—8 30	+4.94
15	Br.	15.3	+6.37	15 50—16 40	+6.34	27	T.	9.2	+5.63	8 45—9 40	+5.63
15		16.9	+6.31			27	Ei.-Y.	18.1	+6.89	17 40—21 25	+6.93
15	M.-R.	7.4	+6.14	7 40—7 45	+6.14	27		20.6	+6.97		
16	M.	15.7	+7.08	15 42	+7.08	28	Br.-M.	8.3	+6.10	8 30—8 40	+6.10
16		17.0	+6.50	17 0	+6.50	29	Br.	10.3	+5.88	8 55—9 55	+5.88
16	Ei.-Y.	17.2	+6.48	17 20—19 55	+6.46	29		16.0	+6.84	16 30—17 25	+6.78
16		20.2	+6.43	20 12	+6.43	29		17.5	+6.71		
16		23.5	+5.26	23 30	+5.26	29	Ei.-Y.	18.0	+6.78	17 40—23 40	+6.78
17	M.	19.8	+6.73	19 15—20 20	+6.56	29		21.7	+6.82		
17		22.9	+6.39			29		0.0	+6.73		
17	M.-Br.	7.5	+6.36	7 45—7 55	+6.36	30	M.	9.3	+6.70	9 0—10 0	+6.70
						30		16.2	+7.54	16 35—18 30	+7.52
						30		18.7	+7.49		

¹ Used +5''.01 for σ Cygni; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1904 July 30 30	Ei.-Y.	h 18.9 23.2	" +7.57 +7.47	h m h m 19 30—22 50	" +7.52	1904 Aug. 14	Br.-T.	h 9.3	" +6.48	h m h m 9 35—9 45	" +6.48
31 31	M.	20.9 0.7	+8.73 +8.18	20 54 0 42	+8.73 +8.18	15 15	Br.	16.6 18.9	+7.03 +7.07	17 10—18 45	+7.05
Aug. 2	Br.-M.	9.6	+6.74	8 45—8 55	+6.74	15 15	Ei.-Y.	19.1 22.8	+7.27 +6.95	19 45—22 20	+7.11
2 2	Br.	16.1 17.5	+6.60 +6.66	16 35—17 25	+6.63	Instrument reversed to Clamp East. Micrometer removed to insert new threads.					
2 2	T.	23.4 2.1	+7.08 +6.30	23 24 2 6	+7.08 ¹ +6.30 ¹	Sept. 6 6	M.	0.6 3.7	+8.55 +8.81	0 55—3 10	+8.68
2 2	T.-M.	8.5	+5.69	8 50—8 55	+5.69	6	M.-T.	10.8	+7.57	11 0—11 5	+7.57
3 3	T.	9.8	+5.67	9 20—10 25	+5.67	7 7	M.	11.7	+8.86	12 5—12 10	+8.86
3 3	Ei.-Y.	18.3 21.6 0.6	+6.27 +5.95 +5.79	17 40—21 50 22 0—23 55	+6.11 +5.87	7 7	Ei.-Y.	18.6 21.6 0.8	+7.93 +8.04 +8.28	18 50—21 20 22 0—0 30	+7.98 +8.16
3 3	M.	3.1	+5.28	2 35—2 40	+5.28	7 7	T.	1.0 4.0	+8.31 +8.01	1 25—3 10	+8.16
3 3	M.-T.	8.5	+5.45	8 55—9 0	+5.45	7	T.-M.	10.8	+7.62	11 5—11 10	+7.62
4 4	Br.	22.9 2.2	+6.91 +6.76	23 25—1 30	+6.84	8 8	T.	11.5	+8.32	12 10—12 15	+8.32
5 5	T.-M.	8.6	+6.00	8 0—9 10	+6.00	8 8	M.	0.2 3.5	+8.08 +7.97	0 55—3 0	+8.02
6 6 6	T.	11.3 16.4 17.6	+6.26 +6.92 +6.34	9 35—9 40 16 50—17 40	+6.26 +6.63	8 10 10	M.-T.	11.0	+8.68	11 5—11 15	+8.68
6 6 6	Ei.-Y.	18.3 21.6 0.6	+6.85 +6.85 +6.59	17 40—21 25 22 0—0 25	+6.85 +6.72	10 10 11 11	Ei.-Y.	18.9 22.2	+9.11 +9.89	18 54 22 12	+9.11 +9.89
8 9	Br.-T.	8.9	+6.07	9 15—9 20	+6.07	11 11	M.	0.6 3.8	+9.60 +9.44	0 55—3 10	+9.52
9 10	T.-M.	8.9	+5.49	9 15—9 25	+5.49	11 12	M.-T.	11.0	+7.17	11 20—11 25	+7.17
10 11 11	T.	11.6	+6.85	11 55—11 0	+6.85	12 14 15	M.	12.1	+6.83	12 30—12 35	+6.83
11 11	M.	16.7 19.1	+7.58 +7.88	17 0—19 0	+7.73	14 15 15	T.-M.	11.1	+7.49	11 30—11 35	+7.49
11 11	Ei.-Y.	19.3 22.8	+7.53 +7.42	19 45—23 30	+7.48	15 15 15	T.	16.2	+6.70	16 50—16 55	+6.70
11 11	Br.	23.7 2.4	+7.81 +8.13	23 50—1 50	+7.97	15 15 15	Ei.-Y.	19.0 21.9 1.6	+6.34 +7.03 +7.25	19 0 21 54 22 20—0 50	+6.34 +7.03 +7.14
11 12 12	Br.-T.	9.2	+7.21	9 25—9 30	+7.21	15 15 16 16	M.	2.1 4.9	+7.56 +7.57	1 50—4 25	+7.56
12 12	Br.	16.8 18.7	+6.79 +6.34	17 10—18 35	+6.56	15 16 16	M.-T.	11.3	+7.41	11 30—11 40	+7.41
12 12	Ei.-Y.	19.0 22.7	+6.66 +6.47	19 10—22 20	+6.56	16 16 16	M.	12.3 18.1	+7.06 +5.55	12 45—12 50 17 45—17 50	+7.06 +5.55
12 12	T.	23.1 2.2	+6.02 +5.46	23 20—1 40	+5.74	16 16 16	Ei.-Y.	19.0 22.1 1.3	+5.54 +5.97 +6.23	19 20—21 35 22 25—0 50	+5.76 +6.10
12 14 14	T.-M.	9.2	+5.60	9 30—9 35	+5.60	16 16 16	T.	2.1 5.0	+6.64 +6.09	1 45—4 25	+6.36
	Br.	23.4 2.6	+7.04 +5.92	23 24 2 36	+7.04 +5.92	16	T.-M.	11.3	+6.65	11 35—11 45	+6.65

¹ Used +7".18 for ψ Andromedæ; and +7".09 for 2 Ceti; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1904 Sept. 17	T.	12.0	+6.31	12 50—12 55	+6.31	1904 Oct. 1	Ei.-Y.	19.4	+6.33	19 40—22 15	+6.56
17		18.0	+5.41	18 30—22 20	+5.45	1		22.8	+6.78	22 55—1 45	+6.96
17		19.7	+5.49			1		2.0	+7.15		
18	M.-T.	11.5	+6.05	11 45—11 50	+6.05	1	M.	4.2	+7.26	4 20—6 35	+7.32
19	M.	12.7	+6.50	13 0—13 5	+6.50	1		5.8	+7.39		
20	M.-T	10.9	+5.38	11 50—11 55	+5.38	2	M.	7.2	+6.54	7 30—7 35	+6.54
21	M.	12.8	+5.45	13 10—13 15	+5.45	2	M.-Br.	11.8	+5.97	12 35—12 40	+5.97
21		19.3	+5.01	19 18	+5.01	3	M.	14.4	+5.92	14 5—14 10	+5.92
21		22.6	+6.09	22 36	+6.09	3		18.6	+5.54	18 36	+5.54
21	T.	2.8	+5.04	2 48	+5.04	3		21.7	+6.36	21 42	+6.36
21		6.0	+5.81	6 0	+5.81	3	Br.	3.8	+6.48	4 30—6 10	+6.22
21	T.-M.	11.5	+6.85	11 55—12 0	+6.85	3		6.9	+5.96		
22	T.	12.8	+5.77	13 10—13 15	+5.77	3		8.8	+6.91	8 30—8 35	+6.91
22	T.	22.6	+6.13	20 12—1 48	+6.10	3	Br.-T.	12.0	+6.37	11 35—12 45	+6.37
22		2.0	+6.06			4	Br.	14.8	+6.28	14 10—14 15	+6.28
22	M.	2.1	+6.66	2 20—4 45	+6.82	4	M.	4.3	+6.52	4 30—6 25	+6.55
22		5.2	+6.98			4		6.8	+6.58		
22	M.-T.	11.8	+6.90	11 55—12 5	+6.90	4	M.-Br.	12.2	+6.48	11 40—12 50	+6.48
23	M.	13.0	+6.78	13 15—13 20	+6.78	5	M.	13.9	+5.83	14 15—14 20	+5.83
23		20.8	+6.28	21 10—23 45	+6.26	5	Ei.-Y.	19.6	+5.55	19 50—22 20	+5.64
23		0.2	+6.25			5		22.9	+5.72		
23	T.	4.2	+6.42	3 25—5 30	+6.43	6	Br.-M.	12.3	+6.85	11 55—12 55	+6.85
23		6.0	+6.44			7	Br.	15.1	+6.44	14 25—14 30	+6.44
23	T.-M.	11.8	+6.67	12 0—12 10	+6.67	7		19.0	+6.28	19 25—22 25	+6.46
25	M.	22.8	+6.58	23 10—1 50	+6.70	7		23.0	+6.63		
25		2.0	+6.82			7	M.-Br.	12.7	+7.53	12 50—13 0	+7.53
25	M.-T.	11.9	+7.08	12 10—12 15	+7.08	8	M.	13.6	+7.42	14 25—14 30	+7.42
26	M.	13.2	+6.68	13 30—13 35	+6.68	9	M.	4.9	+5.69	5 0—7 0	+5.74
26		20.3	+6.17	20 20—22 25	+6.12	9		7.4	+5.79		
26		22.8	+6.07			9	M.-Br.	12.6	+5.37	12 10—13 5	+5.37
26	T.	1.5	[+8.27]			10	M.	13.8	+5.69	14 35—14 40	+5.69
26		5.3	+6.31	2 35—4 50	+6.31	10	Ei.-Y.	20.8	+4.88	20 30—2 35	+5.03
27	T.-M.	12.4	+6.64	12 10—12 20	+6.64	10		23.7	+5.17		
27	M.-T.	12.0	+7.40	12 15—12 20	+7.40	10		3.1	+5.04		
28	M.	14.1	+6.94	13 40—13 45	+6.94	13	Ei.-Y.	20.7	+4.91	20 42	+4.91
28		18.7	+6.54	18 55—20 50	+6.64	13		23.9	+5.61	23 54	+5.61
28		21.3	+6.74			13	Br.	4.7	+5.67	5 15—6 40	+5.64
29	Ei.-Y.	19.2	+6.60	19 30—22 5	+6.70	13		7.7	+5.62		
29		22.5	+6.80			13		12.9	+5.84	12 35—12 40	+5.84
29	M.-T.	11.6	+6.89	11 20—11 25	+6.89	13	Br.-Y.	13.0	+5.84	13 15—13 20	+5.84
30	M.	14.3	+7.43	13 50—13 55	+7.43	14	Br.	14.8	+5.50	14 55—15 0	+5.50
30						14		18.2	+4.66	18 20—18 25	+4.66
30	T.	6.4	+7.58	5 30—6 10	+7.58	14	Ei.-M.	20.7	+4.78	21 10—23 15	+4.88
30	T.-M.	11.8	+7.38	11 25—12 35	+7.38	14		23.4	+4.98	0 0—2 10	+5.19
						14		2.7	+5.40		
Oct. 1	T.	13.6	+6.89	13 55—14 0	+6.89	14	Y.	4.4	+5.25	4 24	+5.25
						14		8.0	+5.87	8 0	+5.87

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1904 Oct. 14	Y.-M.	^h 12.9	["] +4.61	^h ^m ^h ^m 12 40—13 25	["] +4.61	1904 Oct. 25	Br.	^h 15.7	["] +7.53	^h ^m ^h ^m 15 50—15 55	["] +7.53
15	Y.	19.6	+4.57	19 15—19 20	+4.57	25		20.2	+7.19	20 40—22 5	+7.20
15	Ei.-M.	21.1	+4.78	21 25—0 30	+4.90	25		23.2	+7.22		
15		0.6	+5.03			26	M.-Y.	14.3	+7.85	14 0—14 5	+7.85
16	Br.	19.6	+4.13	20 0—22 45	+4.16	26	Y.-M.	4.2	+7.55	4 15—4 25	+7.55
16		23.3	+4.19			26	Y.	5.2	+7.85	5 12	+7.85
16	M.	5.2	+4.82	5 25—7 25	+4.76 ¹	26		8.8	+8.41	8 48	+8.41
16		8.0	+4.71			26	Y.-Br.	13.8	+8.59	14 5—14 10	+8.59
16	M.-Y.	13.1	+4.38	12 55—13 30	+4.38	27	Y.	16.6	+7.98	16 0—16 5	+7.98
17	M.	14.7	+4.35	15 10—15 15	+4.35	27		20.7	+7.25	21 5—23 5	+7.29
17	Ei.-Y.	21.3	+3.32	21 0—1 0	+3.42	27		23.4	+7.33		
17		1.4	+3.53			27	Ei.-M.	23.8	+7.18	23 48	+7.18
17	Br.	4.8	+4.17	5 15—7 35	+4.38	27		3.0	+7.81	3 0	+7.81
17		8.2	+4.59			27	Br.	5.1	+7.60	5 15—8 15	+7.62
17	Br.-M.	13.3	+4.09	13 0—13 35	+4.09	27		9.2	+7.63		
18	Br.	15.1	+3.94	15 15—15 20	+3.94	27	Br.-Y.	13.8	+8.49	14 5—14 15	+8.49
18	Ei.-Y.	21.4	+4.70	21 30—0 25	+4.80	28	Br.	15.9	+7.95	16 5—16 10	+7.95
18		0.8	+4.90	0 48	+4.90	28		22.6	+7.52	23 10—1 35	+7.61
18		3.6	+5.53	3 36	+5.53	28		1.4	+7.70		
18	M.	4.4	+5.60	4 40—7 5	+5.79	28	Y.	5.6	+7.94	6 10—8 25	+7.92
18		7.5	+5.98			28		9.0	+7.89		
18	M.-Br.	13.3	+5.85	13 5—13 40	+5.85	28	Y.-M.	13.9	+8.32	14 10—14 20	+8.32
19	M.	15.0	+5.72	15 20—15 25	+5.72	29	Y.	16.9	+7.29	16 10—16 15	+7.29
19		19.8	+5.24	20 0—22 40	+5.14	29		21.1	+6.45	21 35—23 25	+6.69
19	Ei.-M.	23.4	+5.04			29		0.0	+6.93		
20	Br.-Y.	13.3	+6.46	13 40—13 45	+6.46	29	Ei.-M.	0.4	+6.85	0 24	+6.85
21	Br.	15.4	+6.17	15 30—15 35	+6.17	29		3.6	+7.63	3 36	+7.63
21		22.7	+5.77	23 0—1 40	+6.00	29	Br.	6.3	+7.78	7 10—8 25	+7.60
21		2.2	+6.24			29		9.3	+7.42		
21	Y.	5.0	+6.29	5 30—6 55	+6.34	30	M.	6.2	+7.49	6 50—8 30	+7.66
21		7.8	+6.39			30		9.1	+7.83		
22	Ei.-M.	22.8	+8.43	22 48	+8.43	30	M.-Y.	14.1	+7.93	14 20—14 25	+7.93
22		1.4	+8.99	1 24	+8.99	31	M.	15.8	+7.97	16 20—16 25	+7.97
22		4.6	+9.23	2 0—4 0	+9.11	31		20.4	+7.04	20 45—23 10	+7.12
23	Br.	22.8	+8.98	23 20—1 10	+9.15	31		23.7	+7.19		
23		1.3	+9.32			31	Br.	5.9	+7.84	6 35—9 10	+7.90
23	Br.-M.	1.4	+9.55	1 30—3 5	+9.55	31		10.0	+7.97		
23	M.-Y.	13.7	+7.96	13 50—14 0	+7.96	31	Br.-M.	14.2	+8.79	14 20—14 30	+8.79
24	Ei.-Y.	23.7	+7.71	0 5—5 0	+7.82	Nov. 1	Br.	20.1	+6.38	20 45—23 25	+6.48
24		2.8	+7.95			1		0.1	+6.58		
24		5.7	+7.80			1	M.	5.9	+7.29	6 15—10 10	+7.38
24			+7.80			1		9.3	+7.47		
24	Br.	6.1	+7.98	6 20—8 15	+8.03	1	M.-Br.	14.1	+7.36	14 25—14 35	+7.36
24		8.8	+8.08			3					
24	Br.-M.	13.7	+8.38	13 55—14 0	+8.38	3	Y.	20.5	+8.25	21 15—23 30	+8.26 ²
						3		0.3	+8.27		

¹ Used +4''.96 for μ Geminorum; reduced with two microscopes.² Used +8''.86 for λ Pegasi; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1904 Nov. 5	Y.	^h 21.6 1.2	["] + 8.92 + 9.27	^h ^m ^h ^m 22 5— 1 30	["] + 9.10	1904 Nov. 22	M.-Br.	^h 15.7	["] +10.74	^h ^m ^h ^m 15 50—16 0	["] +10.74
5						23	M.	21.3 0.1	+ 9.47 + 9.65	21 30—23 30	+ 9.56
6	M.	6.4 9.5	+ 9.54 +10.04	6 55— 9 5	+ 9.79	24	Br.	5.6 9.3	+10.22 +10.46	5 55— 8 20	+10.34
6	M.-Y.	14.5	+ 9.65	14 45—14 55	+ 9.65	24					
7	M.	16.7 20.1 22.7	+ 9.64 + 8.91 + 9.19	17 0—17 5 20 35—22 20	+ 9.64 + 9.05	25	Y.-M.	15.9	+10.73	16 5—16 10	+10.73
7						26	Y.	21.7 0.5	+ 9.81 + 9.99	22 30—23 40	+ 9.90
7	Br.-M.	14.6	+ 9.66	14 50—14 55	+ 9.66	26					
8	Br.	16.8	+ 9.09	17 5—17 10	+ 9.09	27	M.-Br.	16.0	+11.08	16 15—16 20	+11.08
11	Br.	23.0 3.3	+ 9.19 + 9.50	23 35— 2 25	+ 9.34	28	M.	18.5 21.4 0.0	+10.72 +10.15 +10.19	18 50—18 55 21 50—23 30	+10.72 +10.17
11	Y.	6.9 10.2	+ 9.60 + 9.86	7 30— 9 30	+ 9.73	28	Ei.-Y.	0.5 3.7	+ 9.84 +10.22	0 40— 3 0	+10.03
14	M.	20.7 23.5	+10.49 +10.25	21 0—23 5	+10.37	28	Br.	9.3	+11.06	9 45—11 5	+11.06
14	Br.	6.9 10.6	+ 9.89 + 9.94	7 30— 9 50	+ 9.92	29	M.-Br.	16.2	+ 4.93	16 20—16 30	+ 4.93
14	Br.-Y.	15.1	+10.11	15 20—15 25	+10.11	30	M.	21.6 23.9	-12.26 -11.74	21 55—23 20	-12.00
15	Br.	18.0 21.8 1.6	+ 8.64 + 8.27 + 8.80	15 55—17 45 22 15— 0 50	+ 8.64 + 8.54	30	Ei.-Y.	0.5 4.5	-12.51 -12.39	0 40— 3 30	-12.45 ²
15	M.-Br.	15.2	+10.01	15 25—15 35	+10.01	30	Br.	8.4 12.1 23.0 3.0	+ 5.81 + 5.60 + 6.27 + 6.56	9 10—11 45 23 45— 2 25	+ 5.70 + 6.42
16	M.	17.0 21.8 0.7	+10.41 + 9.27 + 9.54	16 0—17 50 22 0— 0 0	+10.41 + 9.40	Dec. 1					
16	Y.	6.7 10.7	+ 9.30 + 9.55	7 30—10 0	+ 9.42	1	M.	8.2	+ 6.89	8 40— 9 40	+ 6.89
16	Y.-Br.	15.3	+ 9.79	15 25—15 35	+ 9.79	6	Br.-M.	17.5	+ 7.83	16 50—16 55	+ 7.83
17	Y.	18.2 22.4 2.0	+ 9.25 + 8.84 + 9.28	16 10—18 0 23 0— 1 15	+ 9.25 + 9.06	7	Br.	19.3 8.1 12.0	+ 6.80 + 7.84 + 7.34	19 35—19 40 8 45—11 5	+ 6.80 + 7.59
18	Br.	17.8 0.4 3.8	+ 9.83 + 9.40 + 9.30	18 0—18 5 0 40— 3 5	+ 9.83 + 9.35	7	Br.-M.	16.7	+ 7.93	16 55—17 5	+ 7.93
18	Y.-M.	15.2 15.2	+10.82 ¹ +10.46	15 35—15 40 15 40—15 45	+10.82 ¹ +10.46	8	Br.	19.5 0.0 3.5	+ 7.22 + 7.57 + 7.58	19 45—19 50 0 40— 2 50	+ 7.22 + 7.58
19	Y.	18.4 22.5 2.1	+ 9.73 + 8.94 + 9.11	18 5—18 10 22 50— 1 30	+ 9.73 + 9.02	12	M.	21.5 2.4	+ 8.44 + 8.37	22 0— 3 10	+ 8.40
20	Br.	1.2 4.2	+ 8.57 + 8.49	1 20— 3 25	+ 8.53	12	Br.-M.	17.2	+ 8.62	17 20—17 25	+ 8.62
20	M.-Y.	15.5	+ 9.78	15 45—15 50	+ 9.78	13	Br.	19.8 23.8 2.5	+ 7.93 + 7.58 + 7.79	18 50—20 15 23 55— 1 25	+ 7.93 + 7.68
21	M.	17.4 23.3 2.5	+ 9.80 + 9.24 + 9.90	16 35—18 20 23 18 2 30	+ 9.80 + 9.24 + 9.90	13	M.-Br.	17.2	+ 8.52	17 25—17 30	+ 8.52
21	Br.	7.6 11.2	+ 9.96 + 9.82	8 25—10 25	+ 9.89	14	M.	20.6 0.0	+ 7.94 + 7.42	20 15— 1 20	+ 7.68
						15	M.-Br.	17.3	+ 8.47	17 30—17 40	+ 8.47
						16	M.	19.6	+ 7.64	19 0—20 30	+ 7.64

¹ Two microscopes used.² Used +12".56 for γ Andromedæ; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1904 Dec. 16	Ei.-M.	h 1.6	" + 6.70	h m h m 2 0— 4 40	" + 6.75	1905 Jan. 14	Ei.-M.	h 2.2	" +10.46	h m h m 2 12	" +10.46
16		5.3	+ 6.80					5.9	+11.24	5 54	+11.24
18	Br.	1.6	+ 6.99	2 10— 4 15	+ 6.94	15	Br.	2.5	+10.89	3 10— 5 30	+10.90
18		5.0	+ 6.88					6.3	+10.91		
19	Ei.-M.	1.8	+ 7.55	2 0— 4 40	+ 7.54	15	Y.-Br.	19.6	+11.39	18 10—19 55	+11.39
19		5.5	+ 7.53								
19	Br.	9.4	+ 7.88	10 10—12 20	+ 7.92	16	Y.	23.6	+10.81	22 50—22 55	+10.81
19		13.1	+ 7.96			16		1.2	+10.69	1 15— 6 30	+10.68
20		2.8	+ 8.12	3 35— 6 35	+ 8.26	16	Ei.-Y.	2.6	+10.41		
20		6.8	+ 8.39			16		6.7	+10.94		
20	M.	9.9	+ 8.59	10 25—12 30	+ 8.60	16	Br.	11.9	+10.47	12 10—14 25	+10.54
20		13.2	+ 8.60			16		15.3	+10.61		
20	M.-Br.	17.7	+ 9.10	17 55—16 0	+ 9.10	16		18.8	+11.04	18 10—18 15	+11.04
21	M.	20.3	+ 8.44	19 10—20 55	+ 8.44	16	Br.-M.	19.5	+11.10	19 50—20 0	+11.10
21	Ei.-M.	2.4	+ 7.90	2 30— 6 30	+ 8.06	17	M.-Y.	19.7	+11.33	19 55—20 5	+11.33
21		6.1	+ 8.22			18	M.	23.2	+11.00	22 55—23 0	+11.00
21	Br.-M.	18.8	+ 9.80	18 0—18 5	+ 9.80	18		1.0	+10.79	1 30— 6 30	+10.63
22	Br.	20.7	+ 8.40	19 10—21 0	+ 8.40	18	Ei.-M.	2.9	+10.27		
22		3.3	+ 8.26	4 0— 6 35	+ 8.24	18		6.6	+10.83		
22		7.1	+ 8.23			18	Y.-Br.	19.7	+11.95	20 0—20 10	+11.95
22	M.-Br.	17.6	+ 8.42	18 5—18 10	+ 8.42	19	Y.	0.0	+10.53	23 0—23 5	+10.53
28	M.	23.9	+ 8.42	0 10— 1 30	+ 8.04	19		1.4	+10.14		
28		1.9	+ 8.87			19		6.7	+10.48	5 0— 7 5	+10.31
28	Br.	13.2	+ 8.53	12 20—12 25	+ 8.53	19	Br.	11.7	+11.03	12 20—14 40	+10.94
28						19		15.3	+10.86		
28	Br.-M.	18.1	+ 9.08	18 30—18 35	+ 9.08	19		19.3	+11.46	18 20—18 25	+11.46
29	Br.	21.4	+ 8.50	21 30—21 35	+ 8.50	19	Br.-M.	19.8	+11.74	20 5—20 15	+11.74
29		1.4	+ 8.41	2 0— 4 35	+ 8.42	20	Br.	4.9	+11.27	5 30— 7 15	+11.26
29		5.3	+ 8.42			20		7.8	+11.25		
29	M.	13.7	+ 9.33	13 15—13 20	+ 9.33	20	Br.-M.	8.5	+12.35 ¹	8 0— 8 5	+12.35
29	M.-Br.	18.3	+ 9.96	18 35—18 40	+ 9.96	20	M.-Y.	19.9	+11.77	20 10—20 15	+11.77
30	M.	23.9	+ 7.79	0 10— 2 15	+ 7.98	21	M.	2.2	+10.87	2 20— 4 5	+11.00
30		2.8	+ 8.17			21		4.7	+11.13		
30	Br.	10.7	+ 8.52	11 25—14 15	+ 8.42	21	Br.	8.9	+11.19	9 35—11 50	+11.02
30		13.9	+ 8.33			21		12.6	+10.84		
30	Br.-M.	18.2	+ 9.30	18 40—18 45	+ 9.30	22	Y.	11.1	+11.27	10 5—13 45	+11.36
						22		14.4	+11.44		
1905 Jan. 4	M.	2.1	+ 8.42	0 35— 2 45	+ 8.42	22	Y.-Br.	20.1	+11.87	20 20—20 25	+11.87
4	Y.-Br.	18.9	+10.83	19 20—19 25	+10.83	23	Y.	23.6	+10.75	23 15—23 20	+10.75
12	Br.	12.2	+11.63	12 45—14 15	+11.54	27	Ei.-Y.	3.4	+12.05	3 55— 6 10	+12.20
12		15.3	+11.44			27		6.8	+12.35		
13	M.	13.5	+10.74	12 15—13 10	+10.74	27	M.-Y.	20.3	+12.51	20 40—20 45	+12.51
13		18.7	+11.23	18 5—18 10	+11.23	28	M.	1.6	+12.43	1 36	+12.43
13	M.-Y.	19.3	+11.52	19 40—19 45	+11.52	28	Ei.-M.	3.6	+11.43	3 36	+11.43
14	M.	23.0	+11.01	22 40—22 45	+11.01	28		5.9	+11.62	4 20— 5 25	+11.52

¹ Two microscopes used.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1905 Jan. 29	Y.-Br.	20.5	+12.30	20 45—20 55	+12.30	1905 Feb. 17	Y.	7.0	+10.24	7 45—10 5	+10.43
30	Y.	23.6	+11.83	23 45—23 50	+11.83	17	Ei.-Y.	10.6	+10.62		
30		2.3	+11.85	2 30—7 15	+11.64	17	M.	13.6	+10.80	13 55—16 5	+10.62 ²
30	Ei.-Y.	4.3	+11.25			17		16.4	+10.45		
30		7.9	+11.81			17	M.-Y.	21.8	+10.81	22 5—22 10	+10.81
Feb. 1	Y.-Br.	20.7	+12.01	21 0—21 5	+12.01	18	M.	0.3	+11.36	0 55—1 0	+11.36
2	Y.	0.4	+11.53	23 55—0 0	+11.53	18	Ei.-M.	5.2	+10.46	5 50—9 35	+10.52
2		3.5	+10.72	3 50—4 35	+10.72	18		9.2	+10.58		
5	Y.-Br.	21.0	+12.45	21 15—21 25	+12.45	20	Br.	11.9	+11.72	11 35—15 0	+11.78
6	Br.	13.2	+10.81	13 12	+10.81	20		14.7	+11.83		
6		16.4	+11.42	16 24	+11.42	20	Br.-M.	22.0	+12.92	22 15—22 20	+12.92
6	Br.-M.	21.0	+11.73	21 20—21 25	+11.73	23	Br.	13.9	+12.59	14 30—16 30	+12.46
7	Br.	0.0	+11.27	0 15—0 20	+11.27	23		17.2	+12.34		
7	Ei.-Y.	4.4	+10.75	4 45—7 20	+10.65	23	Br.-M.	22.2	+12.76	21 45—22 35	+12.76
7		8.1	+10.55			24	Br.	1.5	+10.22	1 15—1 20	+10.22
9	Br.	13.3	+12.60 ¹	13 55—15 55	+12.38	24	Ei.-Y.	4.7	+10.06	4 55—7 50	+10.28
9		16.5	+12.16 ¹			24		7.9	+10.51	8 25—11 0	+10.66
9	Br.-M.	21.4	+12.23	21 30—21 40	+12.23	24		11.5	+10.80		
10	Br.	0.7	+11.50	0 25—0 30	+11.50	24	M.	14.2	+10.96	14 25—16 20	+10.82
10		2.4	+11.45	2 0—2 5	+11.45	24		17.0	+10.69		
10	Ei.-Y.	4.6	+11.29	4 55—7 20	+11.40	24	M.-Y.	22.1	+11.21	22 30—22 35	+11.21
10		7.9	+11.52			26	M.-Br.	22.3	+ 9.57	22 35—22 45	+ 9.57
10	M.	15.8	+11.57	14 35—15 15	+11.57	27	M.	1.7	+ 9.30	1 25—1 30	+ 9.30
10	M.-Y.	21.3	+11.20	21 35—21 40	+11.20	Mar. 1	Y.	14.6	+ 9.01	15 15—16 35	+ 8.97
11	M.	0.8	+11.09	0 30—0 35	+11.09	1		17.4	+ 8.93		
11		2.2	+11.11	2 50—4 20	+11.11	1	Y.-Br.	22.5	+ 9.28	22 50—22 55	+ 9.28
13	Y.	4.2	+11.54	4 12	+11.54	2	Y.	1.9	+ 8.62	1 35—1 40	+ 8.62
13		6.9	+10.90	6 54	+10.90	2	Ei.-Y.	4.8	+ 8.38	5 20—7 50	+ 8.46
13	Br.	21.0	+10.81	20 40—20 45	+10.81	2		8.2	+ 8.53		
13	Br.-M.	21.6	+11.14	21 45—21 55	+11.14	5	Y.-Br.	22.8	+ 8.99	23 5—23 15	+ 8.99
14	Br.	0.5	+10.85	0 40—0 45	+10.85	6	Y.	2.3	+ 9.07	1 45—1 50	+ 9.07
14		4.3	+10.67	4 45—7 15	+10.63	6	Ei.-Y.	5.0	+ 8.52	5 30—7 15	+ 8.54
14		7.8	+10.59			6		7.8	+ 8.57		
14	M.-Y.	21.6	+11.83	21 55—22 0	+11.83	10	Ei.-Y.	5.5	+ 9.06	6 5—12 5	+ 9.12
15	M.	5.8	+11.27	4 40—5 15	+11.27	10		9.1	+ 9.12		
15	M.-Y.	6.6	+10.94	6 20—6 35	+10.94	10		12.8	+ 9.17		
15	Y.	21.4	+11.40	20 55—21 0	+11.40	10	M.	13.3	+ 9.27	13 18	+ 9.27
15	Y.-Br.	21.6	+11.49	21 55—22 0	+11.49	10		16.6	+10.06	16 36	+10.06
16	Y.	1.1	+10.82	0 50—0 55	+10.82	10	M.-Y.	23.1	+ 9.46	23 20—23 30	+ 9.46
16		4.6	+10.83	4 55—7 35	+10.77	11	M.	2.6	+ 9.34	2 0—2 5	+ 9.34
16		7.3	+10.71			12	Y.	15.0	+ 9.20	15 20—17 10	+ 9.17
17	Br.	4.3	+10.22	5 0—6 25	+10.17	12		17.7	+ 9.14		
17		6.7	+10.12			12	Y.-Br.	23.2	+ 8.96	23 30—23 35	+ 8.96

¹ Two microscopes used.² Used +9".43 for 118 H¹. Cassiopeiae, s. p.; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1905 Mar. 13	Y.	h 1.7 4.6	" + 9.24 + 8.81	h m h m 2 5—2 10 5 5—5 10	" + 9.24 + 8.81	1905 Mar. 28	Br.	h 2.4 8.3 10.8	" + 9.02 + 8.41 + 8.30	h m h m 1 25—2. 40 7 15—10 10	" + 9.02 + 8.36
13	Ei.-Y.	6.6 10.2	+ 8.47 + 8.71	6 55—9 45	+ 8.59	28	M.	15.2 17.7	+ 8.30 + 8.61	15 30—17 30	+ 8.46
13	Br.	14.5 18.0	+ 8.81 + 9.23	15 10—17 15	+ 9.02	28	M.-Y.	0.2	+ 8.61	0 25—0 35	+ 8.61
13	Br.-M.	23.3	+ 9.23	23 35—23 40	+ 9.23	29	M.	1.8	+ 8.55	1 30—2 40	+ 8.55
14	Br.	6.4	+ 8.70	6 0—6 10	+ 8.70	29	Ei.-M.	7.4 11.3	+ 7.36 + 7.11	7 55—10 40	+ 7.24
14	M.-Y.	23.4	+ 9.38	23 35—23 45	+ 9.38	29	Y.	14.8 17.3	+ 7.24 + 7.19	15 15—16 50	+ 7.22
15	M.	1.9 6.7 10.2	+ 9.35 + 8.44 + 8.72	2 10—2 15 6 55—9 10	+ 9.35 + 8.58	30		9.0	+ 8.32	9 25—12 5	+ 8.52
15	Y.	14.3 17.7	+ 8.16 + 8.12	15 5—17 15	+ 8.14	30	Ei.-Y.	12.5	+ 8.72		
15	Y.-Br.	23.5	+ 8.38	23 40—23 45	+ 8.38	30	Br.	15.1 18.7	+ 9.18 +10.03	15 6 18 42	+ 9.18 +10.03
16	Y.	2.6	+ 7.60	2 10—2 15	+ 7.60	30	Br.-M.	0.3	+10.15	0 35—0 40	+10.15
16	Ei.-Y.	6.7 10.2	+ 7.05 + 7.20	7 10—9 45	+ 7.12	31	Br.	2.8	+ 9.19	1 40—1 45	+ 9.19
16	Br.-M.	23.5	+ 8.00	23 40—23 50	+ 8.00	31	Y.	7.1	+ 7.83	7 30—8 25	+ 7.70
17	Br.	0.8	+ 6.93	0 15—0 20	+ 6.93	31	Ei.-Y.	9.1 12.5	+ 7.56 + 7.41	8 25—12 5	+ 7.48
17	Y.	10.3	+ 7.17	9 0—9 45	+ 7.17	31	M.	13.7 16.9	+ 7.85 + 8.24	14 0—16 25	+ 8.04
17	M.-Y.	23.5	+ 7.14	23 45—23 55	+ 7.14	31	M.-Y.	0.5	+ 9.96	0 40—0 45	+ 9.96
18	M.	1.3 6.9 10.3	+ 6.04 + 4.90 + 5.62	0 20—2 20 6 54 10 18	+ 6.04 + 4.90 + 5.62	Apr. 1	Ei.-M.	9.3 12.4	+ 9.76 +10.17	9 55—11 55	+ 9.96
19	Br.	11.8	+ 5.93	11 0—11 5	+ 5.93	2	Y.	14.7 18.8	+11.12 +10.98	16 10—17 55	+11.05
23	Ei.-Y.	6.6 8.6	+ 7.93 + 8.26	7 10—8 0	+ 8.10	2	Y.-Br.	0.5	+11.80	0 45—0 50	+11.80
24	M.-Y.	0.0	+ 8.67	0 15—0 20	+ 8.67	3	Y.	3.3	+10.82	1 55—2 45	+10.82
25	M.	1.6	+ 8.32	1 5—2 35	+ 8.32	3	Br.-M.	0.7	+ 9.86	0 50—0 55	+ 9.86
25	Ei.-M.	7.0 10.4 13.5	+ 7.00 + 7.54 + 7.65	7 35—10 0 10 35—13 10	+ 7.27 + 7.60	4	Br.	7.2 9.8	+ 8.63 + 8.81	7 55—9 5	+ 8.72
25	Br.	14.1 17.7	+ 7.30 + 7.44	14 15—16 40	+ 7.37	7	M.	15.9 18.7	+11.16 +11.02	15 30—17 55	+11.09
26	Y.	16.1 18.5	+ 6.98 + 7.37	15 30—17 40	+ 7.18	7	M.-Y.	0.9	+11.47	1 5—1 10	+11.47
26	Y.-M.	0.0	+10.06	0 20—0 25	+10.06	8	M.	2.9	+11.58	2 40—2 45	+11.58
27	Ei.-Y.	7.3 10.0 13.4	+ 8.60 + 8.63 + 8.13	7 45—9 40 10 25—12 45	+ 8.62 + 8.38	8	Ei.-Y.	9.3 12.4 16.1	+10.30 +10.76 +10.55	9 35—15 25	+10.54
27	Br.	14.4 17.5 19.3	+ 8.55 + 8.64 + 8.68	14 35—16 35	+ 8.62	9	Y.	14.9 18.5	+10.14 +10.00	15 30—17 55	+10.07
27	Br.-M.	0.2	+10.08	0 25—0 30	+10.08	9	Y.-Br.	1.0	+10.59	1 10—1 20	+10.59
						10	Y.	3.2	+10.01	2 35—2 40	+10.01
						10	Br.-M.	1.1	+ 9.75	1 15—1 20	+ 9.75

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1905 Apr. 13	Y.	h 8.3	" + 9.46	h m h m 8 30—11 5	" + 9.13	1905 Apr. 26	Y.-Br.	h 2.0	" +10.33	h m h m 2 15—2 20	" +10.33
13	Ei.-Y.	11.3	+ 8.80	11 40—14 10	+ 9.01	27	Y.	10.9	+ 9.18	10 54	+ 9.18
13		14.8	+ 9.22			27		14.3	+ 9.93	14 18	+ 9.93
13	Br.	15.2	+ 9.47	15 25—18 20	+ 9.62	27	Br.	14.5	+ 9.79	16 0—17 45	+ 9.82
13		19.3	+ 9.78			27		18.8	+ 9.84		
14	Ei.-Y.	11.1	+ 9.04	11 15—17 35	+ 9.04	27	Br.-M.	2.1	+10.65	2 20—2 25	+10.65
14		14.9	+ 8.81			28	Br.	10.8	+ 9.61	11 30—13 5	+ 9.68
14		18.1	+ 9.27			28		14.3	+ 9.76		
16	Br.	10.0	+ 9.91	10 0	+ 9.91	30	Y.	14.4	+10.09	15 55—17 55	+10.27
16		13.6	+10.56	13 36	+10.56	30		18.5	+10.45		
17	Ei.-Y.	11.3	+10.40	9 50—14 15	+10.38	30	Y.-Br.	2.3	+11.31	2 30—2 35	+11.31
17		14.7	+10.37								
17		14.7 ¹	+10.57	14 42	+10.57	May 1	Y.	11.2	+10.67	11 30—13 10	+10.91
17		18.2	+11.16	18 12	+11.16	1		14.4	+11.15		
17	Br.-M.	1.5	+11.61	1 40—1 50	+11.61	1	Br.	2.2	+11.19	1 55—2 0	+11.19
18	Br.	11.4	+10.95	9 50—13 30	+11.15	1	Br.-M.	2.3	+11.39	2 35—2 40	+11.39
18		14.3	+11.35			2	Br.	11.2	+ 9.38	11 30—13 5	+ 9.14
18	M.	14.8	+11.60	15 5—17 25	+11.81	2		14.2	+ 8.91		
18		17.9	+12.02			2	M.	14.3	+ 9.03	15 55—17 45	+ 8.90
18	M.-Y.	1.4	+11.78	1 45—1 50	+11.78	2		18.2	+ 8.77		
19	Ei.-M.	11.0	+ 9.60	11 45—14 35	+ 9.78	3	Y.	2.3	+ 9.61	1 50—1 55	+ 9.61
19		15.0	+ 9.97			3	Y.-Br.	2.4	+ 9.85	2 40—2 50	+ 9.85
19	Y.	15.4	+ 9.82	16 25—17 55	+10.06	7	Y.	14.4	+ 8.35	14 24	+ 8.35
19		18.5	+10.29			7		18.3	+ 9.08	18 18	+ 9.08
19	Y.-Br.	1.5	+10.62	1 50—1 55	+10.62	7	Y.-Br.	2.7	+10.18	2 55—3 0	+10.18
20	Y.	3.0	+ 9.65	2 20—2 25	+ 9.65	8	Y.	14.3	+ 8.38	15 55—17 45	+ 8.58
20	Ei.-Y.	11.3	+ 7.93	11 55—15 40	+ 7.95	8		18.4	+ 8.77 ²		
20		15.2	+ 7.97			8	Br.	2.8	+ 9.64	1 45—3 5	+ 9.64
20	Br.	16.2	+ 8.05	16 25—18 25	+ 8.09	8	M.-Y.	2.8	+10.01	3 5—3 10	+10.01
20		19.2	+ 8.13			10	Hl.	2.3	+ 9.67	1 45—1 50	+ 9.67
20	Br.-M.	1.7	+ 8.51	1 50—2 0	+ 8.51	10	Hl.-Br.	2.8	+10.17	3 10—3 15	+10.17
21	M.-Y.	1.7	+ 8.95	1 55—2 0	+ 8.95	11	Br.	2.8	+ 9.83	1 45—1 50	+ 9.83
22	M.	10.7	+ 8.93	11 0—13 10	+ 9.12	11	Br.-M.	3.0	+10.05	3 10—3 20	+10.05
22	Ei.-M.	13.5	+ 9.32	13 30	+ 9.32	12	Br.	11.2	+ 9.23	10 5—13 25	+ 9.29
22		17.0	+10.16	17 0	+10.16	12		14.5	+ 9.35		
23	Y.	16.2	+10.43	16 45—18 40	+10.38	12	Y.	14.7	+ 9.03	14 50—17 45	+ 9.24
23		19.5	+10.33			12		18.2	+ 9.46		
23	Y.-M.	1.9	+10.71	2 5—2 10	+10.71	12	M.-Hl.	2.9	+10.11	3 15—3 25	+10.11
24	Ei.-Y.	11.4	+ 9.03	11 55—14 15	+ 9.10	16	Br.	11.4	+ 8.84	11 30—14 50	+ 9.01
24		14.9	+ 9.18			16		14.3	+ 9.18		
24	Br.	15.5	+ 9.32	15 30	+ 9.32	16	M.-Hl.	3.2	+ 9.94	3 30—3 40	+ 9.94
24		19.3	+10.24	19 18	+10.24	18	Br.	15.3	+ 9.77	15 18	+ 9.77
24	Br.-M.	1.9	+10.91	2 5—2 15	+10.91	18		19.3	+10.40	19 18	+10.40
25	Br.	8.9	+10.30	9 30—11 30	+10.22	18		1.4	+10.51	2 5—2 10	+10.51
25		11.8	+10.13								

¹ New lamp inserted in microscope III.² One micrometer reading changed from 45.144 to 45.744 rev.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1905 May 18	Br.-M.	^h 3.4	" +10.49	^h ^m ^h ^m 3 40— 3 45	" +10.49	1905 June 1	Ei.-Y.	^h 13.7	" + 8.81	^h ^m ^h ^m 13 42	" + 8.81
19	Ei.-Y.	12.4	+ 9.25	14 5—15 15	+ 9.44	1		17.2	+ 9.35	17 12	+ 9.35
19		15.7	+ 9.64	16 10—19 5	+ 9.76	1		20.6	+ 9.47	17 30—20 10	+ 9.41
19		19.5	+ 9.89			1	Br.	2.6	+10.50	2 0— 3 15	+10.50
19	M.	1.9	+10.71	1 40— 2 15	+10.71	1	Br.-Hl.	4.4	+ 9.78	4 35— 4 45	+ 9.78
19	M.-Hl.	3.3	+10.53	3 45— 3 50	+10.53	2	Br.	12.5	+ 8.75	12 55—14 45	+ 8.94
20	M.	14.3	+10.48	14 18	+10.48	2		15.2	+ 9.14		
20		18.4	+11.03	18 24	+11.03	2	M.	15.4	+ 9.01	15 40—18 15	+ 9.12
21	Br.	15.3	+10.11	14 40—19 10	+10.18	2		18.0	+ 9.22		
21		19.4	+10.26			2	Hl.	18.5	+ 8.82	18 50—20 25	+ 8.82
21	Hl.	2.6	+10.51	2 15— 2 20	+10.51	2		20.7	+ 8.82		
21						2		1.7	+10.12	2 0— 3 20	+ 9.83
21	Hl.-M.	3.7	+10.52	3 50— 4 0	+10.52	2		3.6	+ 9.54		
22	Hl.	11.8	+ 9.02	12 10—13 0	+ 9.06	2	Hl.-M.	4.3	+ 9.32	4 40— 4 45	+ 9.32
22		13.2	+ 9.10			3	Ei.-Y.	14.1	+ 8.83	14 35—18 15	+ 8.87
22	Ei.-Y.	13.4	+ 8.86	14 5—16 35	+ 8.98	3		17.9	+ 8.91		
22		17.1	+ 9.11			4	M.	2.4	+ 9.25	2 5— 3 35	+ 9.25
22	Br.	2.1	+10.06	1 45— 2 25	+10.06	4	M.-Br.	4.6	+ 9.29	4 50— 4 55	+ 9.29
22	Br.-M.	2.7	+10.14	3 55— 4 5	+10.14	5	Ei.-Y.	13.5	+ 7.71	13 55—15 55	+ 7.77
23	Br.	14.9	+10.59	14 35—17 45	+10.44	5		16.4	+ 7.83		
23		18.7	+10.29			5	Br.	2.9	+ 9.02	2 10— 3 40	+ 9.02
23	M.	19.2	+10.27 ¹	19 12	+10.27	5	Br.-Hl.	4.7	+ 8.37	4 50— 5 0	+ 8.37
23		21.5	+11.22	21 30	+11.22	8	Ei.-Y.	13.5	+ 8.57	13 55—19 35	+ 8.84
23		2.1	+11.91	1 45— 1 50	+11.91	8		16.3	+ 9.10		
23	M.-Hl.	3.7	+11.28	4 0— 4 5	+11.28	8		20.4	+ 8.84		
24	M.	11.7	+10.33	11 42	+10.33	8	Br.	3.5	+ 9.92	2 15— 4 0	+ 9.92
24		13.2	+ 9.63	13 12	+ 9.63	8	Br.-Hl.	4.9	+ 9.67	5 5— 5 10	+ 9.67
24	Ei.-Y.	13.4	+ 9.21	14 10—19 55	+ 9.13	9	Br.	11.1	+ 9.01	10 45—10 50	+ 9.01
24		17.2	+ 8.98			9		12.2	+ 8.70	13 20—15 35	+ 8.70
24		20.3	+ 9.21			9		16.7	+ 8.71		
24	Hl.	1.5	+10.53	1 45— 1 50	+10.36	9	Hl.	17.1	+ 8.25	17 45—19 55	+ 8.12
24		3.2	+10.18			9		20.8	+ 8.00		
24	Hl.-Br.	3.8	+10.48	4 5— 4 10	+10.48	9		21.1	+ 8.08		
25	Br.	15.4	+ 8.66	15 40—18 35	+ 8.57	9		1.8	+ 9.68	2 20— 2 25	+ 9.56
25		19.2	+ 8.48			9		3.7	+ 9.43	4 5— 4 10	+ 9.40
25		2.2	+ 9.13	1 50— 1 55	+ 9.13	9		4.7	+ 9.37		
26	M.	2.5	+ 9.69	1 50— 2 40	+ 9.69	9	Hl.-M.	4.8	+ 9.71	5 10— 5 15	+ 9.71
26	M.-Hl.	3.9	+ 9.08	4 10— 4 20	+ 9.08	12	Br.	3.2	+ 9.95	2 25— 4 35	+ 9.95
27	M.	14.9	+ 8.49	14 30—14 35	+ 8.49	12	Br.-Hl.	5.2	+ 9.63	5 20— 5 30	+ 9.63
27		14.9 ²	+ 8.33	15 5—17 45	+ 8.56	13	Br.	13.6	+ 8.98	13 40—16 10	+ 9.11
27		18.6	+ 8.78			13		16.4	+ 9.24		
28	Hl.	17.4	+ 8.05	19 10—20 20	+ 8.11	13	Hl.	2.9	+ 9.44	2 30— 2 35	+ 9.48
28		20.6	+ 8.17			13		4.8	+ 9.52		
28		1.6	+ 9.61	1 55— 2 0	+ 9.18	13	Hl.-M.	5.3	+ 9.50 ³	5 25— 5 35	+ 9.50
28		3.1	+ 8.74			14	Ei.-Y.	14.1	+ 8.71	14 45—17 35	+ 8.80
28	Hl.-Br.	4.1	+ 9.08	4 20— 4 25	+ 9.08	14		18.0	+ 8.88		
31	Hl.-Br.	4.3	+ 9.71	4 30— 4 40	+ 9.71						

¹ One micrometer reading changed from 45.788 to 45.988 rev.² New lamp inserted in microscope III.³ Micrometer readings increased .2 rev. each.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1905 June 14	M.-Br.	^h 5.2	["] +10.48	^h ^m ^h ^m 5 30— 5 35	["] +10.48	1905 Aug. 21	M.	^h 17.3 19.9	["] -10.87 -11.09	^h ^m ^h ^m 17 30—19 35	["] -10.98
15	M.	13.6	+ 9.16	14 5—16 40	+ 9.25	21	Br.	0.2	-11.03	0 30— 3 15	-11.14
15		16.2	+ 9.34			21		3.5	-11.26		
16	Br.	13.5	+ 8.32	14 10—16 40	+ 8.36	21		7.7	-11.18	7 15— 7 20	-11.18
16		17.2	+ 8.39			21	Br.-Hl.	9.7	-11.19	10 0—10 10	-11.19
16	Br.-Hl.	17.3	+ 8.49	17 35—17 40	+ 8.45	22	Br.	17.8	-12.40	17 48	-12.40
16	Hl.	17.9	+ 8.41			22		20.6	-12.92	20 36	-12.92
16		3.0	+ 9.36	2 40— 2 45	+ 9.36	22	Hl.	8.3	-13.51	7 20— 7 25	-13.54
17		13.8	+ 7.67	14 10—15 45	+ 7.84	22		8.3	-13.56		
17		16.0	+ 8.01			22	Hl.-M.	9.7	-13.50	10 5—10 10	-13.50
18	Ei.-Y.	17.0	+ 7.44	17 0—19 55	+ 7.56	23	Hl.	18.4	-12.60	18 40—21 5	-12.72
18		20.4	+ 7.69			23		21.7	-12.85		
18	Br.	3.0	+ 8.77	2 45— 5 25	+ 8.84	23	M.	22.5	-12.97	22 5— 1 0	-12.92
18		5.6	+ 8.91			23		1.4	-12.88		
18	Br.-Hl.	5.7	+ 9.22	5 45— 5 55	+ 9.22	23	M.-Br.	9.8	-13.55	10 10—10 15	-13.55
19	Br.	14.0	+ 8.26	14 20—15 25	+ 8.34	25	Hl.	8.0	-14.52	7 35— 7 40	-14.52
19		15.5	+ 8.41			25	Hl.-M.	9.8	-14.40	10 15—10 20	-14.40
19	Hl.	19.6	+ 8.01	20 5—21 15	+ 7.88	26	Hl.	18.2	-13.81	18 30—20 40	-13.93
19		21.6	+ 7.75			26		21.2	-14.05		
21	Hl.	19.0	+ 8.40	19 20—21 5	+ 8.34	26		22.4	-14.50		
21		22.0	+ 8.28			28	Br.	0.8	-15.19	1 5— 3 15	-15.10
21		3.4	+ 9.33	2 55— 3 0	+ 9.33	28		3.9	-15.02		
21	Hl.-Br.	5.7	+ 9.29	6 0— 6 5	+ 9.29	28	Br.-Hl.	10.0	-15.78	10 25—10 35	-15.78
Instrument reversed to Clamp West. Micrometer removed to insert new threads.											
Aug. 13	M.	23.4	- 7.10	23 35— 2 0	- 7.36	29	Br.	18.4	-14.71	18 35—20 45	-14.93
13		2.4	- 7.61			29		21.2	-15.15		
13		6.9	- 7.54	6 35— 6 40	- 7.54	29	Hl.	0.7	-14.68	1 40— 3 10	-14.87
15	Hl.	21.3	- 9.94	21 45— 0 10	-10.06	29		1.2	-14.91		
15		1.1	-10.19			29		3.4	-14.97		
15		7.5	-10.84	6 45— 6 50	-10.96	29		5.3	-14.93		
15		7.6	-11.08			29	Hl.-Bs.	10.2	-14.95	10 30—10 40	-14.95
16	M.	6.5	-11.85	6 55— 7 0	-11.85	30	Hl.	18.4	-13.69	18 40—22 10	-13.66
16	M.-Br.	9.4	-11.98	9 40— 9 50	-11.98	30		21.6	-13.62		
17	M.	17.3	-12.16	17 30—19 20	-12.32	31	Br.	1.0	-14.47	1 5— 3 25	-14.69
17		19.8	-12.47			31		4.1	-14.91	8 5— 8 10	-14.85
17	Br.	22.8	-12.37	22 48	-12.37	31		8.5	-14.85		
17		1.1	-12.92	1 6	-12.92	31	Br.-Hl.	10.2	-14.81	10 35—10 45	-14.81
17	Br.-Hl.	9.3	-12.76	9 45— 9 55	-12.76	Sept. 4	Hl.	21.4	-13.82	21 40—23 0	-13.76
18	Br.	17.2	-12.81	17 12	-12.81	4		23.7	-13.69		
18		20.2	-13.52	20 12	-13.52	5		17.9	-13.18	16 30—16 35	-13.18
18	Hl.	20.8	-12.83	21 10— 0 55	-12.82	5	Bs.	18.8	-13.64	18 48	-13.64
18		1.3	-12.87			5		20.7	-14.19	20 42	-14.19
18		1.5	-12.77			5	Hl.	9.2	-15.33	8 30— 8 35	-15.33
18		7.7	-13.70			6	Hl.-Sk.	10.6	-14.85	10 55—11 0	-14.85
18		9.4	-13.67	7 0— 7 5	-13.68	6	Hl.	18.3	-14.42	17 30—22 5	-14.55
19		17.0	-12.42	17 20—19 40	-12.53	6		22.4	-14.68		
19		20.2	-12.64								
19	Br.	22.6	-12.03	22 0—22 5	-12.03						

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1905 Sept. 6	Bs.	h 0.9	" -14.81	h m h m 0 54	" -14.81	1905 Sept. 19	Bs.-HI.	h 11.5	" -10.08	h m h m 11 40—11 50	" -10.08
6		4.5	-15.95	4 30	-15.95	19	Bs.	20.0	-8.96	20 15—22 5	-9.15
6		8.9	-15.39	8 35—8 40	-15.39	19		22.4	-9.34		
6	Bs.-HI.	10.9	-15.46	11 0—11 5	-15.46	19	HI.	10.3	-10.17	9 35—9 40	-10.17
7	Bs.	18.5	-14.28	18 30	-14.28	20	HI.-Sk.	11.7	-9.77	11 45—11 55	-9.77
7		22.0	-14.89	22 0	-14.89	20	Bs.	10.1	-10.43	9 40—9 45	-10.43
7	HI.	22.9	-15.04	23 20—0 45	-15.14	21	Bs.-HI.	11.7	-9.82	11 50—11 55	-9.82
7		1.8	-15.24			21	Bs.	19.8	-10.25	20 5—22 5	-10.32
7		9.2	-15.34	8 40—8 45	-15.34	21		22.4	-10.39		
8	HI.	18.9	-14.36	19 30—22 35	-14.25	21	HI.	2.0	-10.63	2 30—4 50	-10.72
8		23.4	-14.14			21		5.3	-10.82		
8	Bs.	0.3	-14.36	0 55—3 30	-14.48	21		10.2	-11.19	9 45—9 50	-11.19
8		4.1	-14.59	8 45—8 50	-15.09	22	HI.-Bs.	11.6	-10.29	11 55—12 0	-10.29
8		9.3	-15.09			22	HI.	19.7	-9.76	20 5—22 25	-9.98
9	Bs.	20.8	-14.61	20 25—23 25	-14.76	22		23.3	-10.20		
9		23.7	-14.92			22	Bs.	23.9	-10.56	0 20—2 10	-10.77
11	Bs.	9.3	-15.09	9 0—9 5	-15.09	22		2.8	-10.98		
12	Bs.	20.6	-14.56	21 0—22 50	-14.62 ¹	22		7.1	-11.55	7 15—7 20	-11.55
12		23.6	-14.69			22		10.1	-11.28	9 50—9 55	-11.28
12	HI.	0.2	-15.02	0 40—4 20	-15.01	23	Bs.-HI.	11.8	-11.08	11 55—12 5	-11.08
12		3.5	-14.90			23	HI.	7.9	-11.74	8 15—8 20	-11.74
12		4.8	-15.10			24		2.2	-14.71	2 35—4 10	-14.82
12		9.5	-15.38	9 5—9 10	-15.38	24		5.3	-14.92		
13	HI.-Bs.	10.9	-14.82	11 20—11 30	-14.82	24	Bs.	9.0	-15.30	10 0—10 5	-15.30
13	Bs.-HI.	23.5	-13.67	23 45—23 50	-13.61	25	Bs.-HI.	11.8	-15.02	12 5—12 10	-15.02
13		0.0	-13.55			25	Bs.	20.1	-14.61	20 20—22 30	-14.66
13	Bs.	0.3	-13.75	0 45—2 10	-13.76	25		23.0	-14.71		
13		2.7	-13.76	2 42	-13.76	25	HI.	11.3	-15.60	10 5—10 10	-15.60
13		5.4	-14.26	5 24	-14.26	26	HI.-Bs.	11.8	-15.46	12 5—12 15	-15.46
13	Bs.-HI.	11.2	-15.68	11 25—11 30	-15.68	26	HI.	20.6	-15.60	21 0—23 35	-15.76
14	Bs.	19.1	-13.84	19 6	-13.84	26		0.3	-15.93		
14		22.5	-14.56	22 30	-14.56 ²	26	Bs.	2.2	-16.52	2 35—4 45	-16.26
14	HI.	0.0	-14.48	0 20—4 45	-14.41	26		5.3	-15.99		
14		1.8	-14.41			27	Bs.-HI.	11.9	-16.42	12 10—12 20	-16.42
14		4.1	-14.33			27	Bs.	21.1	-15.07	21 25—23 10	-15.11
14		9.8	-15.30	9 10—9 15	-15.30	27		23.8	-15.15		
15	HI.-Bs.	11.2	-15.31	11 30—11 35	-15.31	27	HI.	2.0	-15.33	2 30—5 5	-15.38
15	HI.	20.6	-14.42	21 0—22 25	-14.28	27		5.4	-15.42		
15		23.1	-14.13			27		9.7	-14.91	10 15—10 20	-14.91
15	Bs.	1.2	-14.71	1 40—4 20	-14.78	28	HI.-Bs.	11.9	-14.77	12 15—12 20	-14.77
15		5.0	-14.85			28	HI.	19.4	-13.78	19 45—22 25	-13.88
15		9.6	-14.75	9 20—9 25	-14.75	28		23.2	-13.97		
16	Bs.-HI.	11.4	-14.74	11 30—11 40	-14.74	28	Bs.	10.8	-14.64	10 20—10 25	-14.64
18	HI.	20.2	-9.95	20 30—23 25	-9.98	29	Bs.-HI.	12.1	-14.11	12 20—12 25	-14.11
18		23.8	-10.00								
18	Bs.	1.9	-10.14	2 10—4 20	-10.32						
18		4.9	-10.49								
18		9.9	-10.36	9 30—9 35	-10.36						

¹ Used—19".40 for π Aquarii; reduced with two microscopes.² Used—10".56 for 76 Draconis; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1905 Sept. 29	Bs.	h 20.4 23.8	" -13.16 -13.28	h m h m 20 40-23 15	" -13.22	1905 Oct. 12	Bs.-Br.	h 1.4	" -15.16	h m h m 1 5-1 10	" -15.16
29	Hl.	2.3 6.1 10.8	-13.00 -13.57 -13.47	2 18 6 6 10 25-10 30	-13.00 -13.57 -13.47	12	Br.	1.6 5.0 11.7	-15.05 -15.29 -14.92	1 55-4 25 11 25-11 30	-15.17 -14.92
30	Hl.-Bs.	12.0	-13.19	12 20-12 30	-13.19	12	Br.-Bs.	12.9	-15.42	13 10-13 15	-15.42
30	Hl.	21.9 1.6	-12.57 -12.87	20 45-0 50	-12.72	13	Br.	21.8 1.1	-14.78 -14.95	22 10-0 45	-14.86
Oct. 1	Hl.-Br.	12.3	-13.85	12 30-12 35	-13.85	13	Bs.-Br	1.6	-14.53	1 50-2 0	-14.53
3	Bs.	1.5 5.0 11.2	-14.67 -15.41 -15.19	1 30 5 0 10 40-10 45	-14.67 -15.41 -15.19	13	Bs.-Hl.	13.0	-14.90	13 15-13 20	-14.90
4	Bs.-Hl.	12.3	-14.95	12 35-12 45	-14.95	14	Bs.	1.8	-13.44	1 55-2 15	-13.44
4	Bs.	18.5 20.7 23.9	-14.20 -14.42 -14.80	18 10-18 15 21 0-23 10	-14.20 -14.61	14	Bs.-Hl.	2.3	-13.75	2 40-2 45	-13.75
4	Hl.	0.7 3.2 6.6 10.3	-14.35 -14.87 -15.33 -14.94	1 10-2 15 3 35-6 0	-14.61 -15.10	14	Bs.	2.9 4.9	-13.35 -13.93	3 5-4 25	-13.64
5	Hl.-Br.	12.4	-14.71	12 40-12 45	-14.71	15	Hl.-Bs.	3.7	-12.58	3 25-3 30	-12.58
5	Hl.	19.9 21.1 23.6	-13.23 -13.51 -13.87	19 10-19 15 21 25-23 5	-13.23 -13.69	15	Hl.	3.9 6.5 11.2	-12.53 -12.62 -12.71	4 5-6 5 11 35-11 40	-12.58 -12.71
5	Br.	4.0 6.9 20.0 23.5	-13.81 -13.60 -13.72 -13.91	4 15-6 20 20 5-22 50	-13.70 -13.82	15					
6	Bs.	11.6	-15.61	10 55-11 0	-15.61	16	Hl.-Br.	13.1	-11.98	13 20-13 25	-11.98
7	Bs.-Sk.	12.6	-15.25	12 45-12 55	-15.25	16	Br.-Hl.	4.1	-11.85	4 15-4 20	-11.85
7	Bs.	20.1 23.6	-15.48 -16.28	20 6 23 36	-15.48 -16.28	17	Br.	22.9 1.6	-13.17 -13.34	23 5-0 55	-13.26
8	Bs.	20.8 23.3	-12.80 -12.81	21 0-22 50	-12.80	17					
8	Hl.	2.7 6.0 10.6	-12.95 -13.14 -13.66	2 55-5 25 11 5-11 10	-13.04 -13.66	21	Bs.	20.7 23.9	-13.73 -14.58	20 42 23 54	-13.73 -14.58
8	Hl.-Br.	12.8	-13.01	12 55-13 0	-13.01	21	Hl.	7.2 9.5	-15.59 -15.69	7 35-8 50	-15.64
9	Hl.	21.9 1.1	-11.96 -11.82	22 20-0 40	-11.89	22	Hl.	10.5 12.5 21.9 1.0	-12.98 -12.85 -12.99 -12.95	9 45-12 15 22 10-0 0	-12.92 -12.97
9	Bs.	11.5	-12.45	11 10-11 15	-12.45	27	Hl.-Bs.	13.9	-14.55	14 0-14 10	-14.55
10	Bs.-Hl.	12.8	-12.09	13 0-13 5	-12.09	27	Bs.	12.7	-14.19	12 30-12 35	-14.19
11	Bs.	3.4 6.7 11.7	-14.57 -14.49 -14.19	3 35-6 5 11 20-11 25	-14.53 -14.19	28	Bs.-Hl.	13.9	-13.84	14 5-14 15	-13.84
12	Bs.-Hl.	12.9	-14.01	13 5-13 15	-14.01	28	Bs.	22.9 2.1	-13.74 -13.77	23 20-1 45	-13.76
12	Bs.	21.5 0.8	-14.74 -15.23	21 35-0 25	-14.98	29	Hl.	3.7 7.4 22.1 1.5	-14.75 -14.67 -14.44 -14.56	4 0-6 40 22 25-0 40	-14.71 -14.50
						30	Br.	6.0 8.8 12.6	-14.69 -14.76 -14.31	6 10-8 25 12 45-12 50	-14.72 -14.31
						30	Br.-Bs.	14.1	-14.49	14 15-14 25	-14.49
						31	Br.	22.4 1.3	-14.00 -13.97	22 35-0 45	-13.98
						31	Bs.	12.7	-14.19	12 50-12 55	-14.19

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		^h	["]	^h ^m ^h ^m	["]			^h	["]	^h ^m ^h ^m	["]
1905 Nov. 1	Bs.-Hl.	14.1	-14.21	14 20—14 30	-14.21	1905 Nov. 16	Br.	7.0	-16.58	7 30—9 55	-16.85
1	Bs.	18.6	-13.58	18 50—18 55	-13.58	16		10.6	-17.12		
1		22.6	-13.88	23 50—2 10	-14.06	16		13.9	-16.57	14 5—14 10	-16.57
1		2.5	-14.24								
1	Hl.	3.5	-14.13	3 50—4 50	-14.24	16	Br.-Hl.	14.9	-16.59	15 25—15 35	-16.59
1		5.9	-14.34			17	Br.	16.7	-15.71	16 50—16 55	-15.71
1		13.3	-14.40	12 55—13 0	-14.40	17		22.4	-15.25	22 45—1 15	-15.42
						17		1.8	-15.58		
2	Hl.-Bs.	14.3	-14.66	14 25—14 30	-14.66						
2	Hl.	18.7	-14.59	19 45—19 50	-14.59	20	Br.	8.1	-16.63	8 35—11 20	-16.68
2	Br.	6.3	-15.39	11 35—8 45	-15.28	20		10.9	-16.72		
2		9.3	-15.18			20		14.7	-15.94	14 25—14 30	-15.94
2		13.3	-15.00	13 0—13 5	-15.00		Br.-Bs.	15.5	-15.79	15 40—15 50	-15.79
3	Bs.	7.2	-15.69	7 15—8 50	-15.74	21	Br.	17.1	-15.55	17 10—17 15	-15.55
3		9.3	-15.79			21		23.0	-16.64	23 25—2 15	-16.86
3		13.4	-16.55	13 5—13 10	-16.55	21		2.5	-17.08		
4	Bs.-Hl.	14.3	-15.95	14 35—14 40	-15.95		Bs.	6.7	-16.87	7 5—8 40	-17.06
4	Bs.	15.8	-15.56	15 30—15 35	-15.56	21		9.3	-17.25		
						21		12.5	-17.18	12 10—14 35	-16.94
6	Bs.	22.8	-13.58	23 15—23 20	-13.72	21		14.8	-16.69		
6		0.4	-13.86			22		17.6	-16.01	17 15—17 20	-16.01
						22		23.4	-16.14	23 50—2 25	-16.17
6	Hl.-Bs.	14.4	-14.49	14 45—14 50	-14.49			2.8	-16.20		
7	Hl.	1.2	-14.85	0 0—0 5	-14.85	22	Hl.	6.4	-16.26	6 40—9 55	-16.32
8	Bs.	23.3	-15.02	23 18	-15.02	22		8.4	-16.38		
8		2.9	-15.86	2 54	-15.86	22		10.8	-16.24		
						22		14.3	-15.56	14 35—14 40	-15.56
8	Hl.	14.6	-15.92	14 55—15 0	-15.92		Hl.-Bs.	15.7	-15.54	15 50—16 0	-15.54
9	Bs.	13.3	-15.56	13 30—13 35	-15.56	23	Hl.	17.8	-15.03	17 20—17 25	-15.03
						23		0.4	-14.96	0 40—3 10	-15.08
10	Bs.-Hl.	14.8	-15.20	14 55—15 5	-15.20	23		4.2	-15.20		
10	Bs.	23.7	-15.33	15 5—2 25	-15.53		Br.	7.8	-15.38	8 10—10 30	-15.52
10		3.1	-15.73			23		10.9	-15.65		
							Br.-Bs.	15.7	-14.66	15 55—16 0	-14.66
10	Hl.	5.7	-15.69	11 20—8 55	-15.81	25	Bs.	1.9	-13.46	2 20—4 0	-13.63
10		9.3	-15.93			25		4.4	-13.80		
10		14.3	-15.55	13 35—13 40	-15.55		Hl.	7.2	-14.79	7 12	-14.79
11	Hl.-Bs.	14.7	-15.65	15 0—15 10	-15.65	26		10.3	-15.66	10 18	-15.66
11	Hl.	16.7	-15.06	16 10—16 15	-15.06	26		15.3	-15.35	14 55—15 0	-15.35
11		3.8	-15.27	4 5—6 10	-15.27		Hl.-Bs.	15.8	-15.31	16 10—16 15	-15.31
12	Hl.-Br.	4.3	-13.85	4 0—4 5	-13.85	27	Hl.	18.1	-14.66	17 40—17 45	-14.66
12	Hl.	4.5	-14.22	5 10—7 50	-14.37	29	Bs.	0.9	-19.27	0 54	-19.27
12		8.5	-14.52			29		4.1	-19.96	4 6	-19.96
13	Br.-Bs.	14.9	-14.14	15 15—15 20	-14.14	30	Br.	15.2	-19.13	15 15—15 20	-19.13
14	Br.	22.2	-14.86	22 45—1 10	-14.92	30	Br.-Bs.	16.2	-19.03	16 25—16 30	-19.03
14		1.7	-14.97								
14	Bs.	6.5	-15.07	5 45—9 5	-14.94	Dec. 1	Br.	22.2	-19.84	21 15—0 55	-20.00
14		9.6	-14.81			1		1.2	-20.15		
14		14.4	-15.67	13 55—14 0	-15.67		Hl.	14.9	-9.62	15 30—15 35	-9.62
15	Bs.-Br.	15.1	-15.86	15 15—15 25	-15.86	3	Hl.-Bs.	16.2	-10.23	16 40—16 45	-10.23

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1905 Dec. 4	Hl.	h 22.0	" — 8.97	h m h m 22 25— 0 55	" — 9.20	1905 Dec. 13	Bs.	h 22.7	" —11.16	h m h m 23 0— 1 45	" —11.26
4		1.3	— 9.43			13		1.8	—11.36		
4	Ei.-Y.	1.5	— 9.37	2 5— 4 35	— 9.43	13	Ei.-Y.	2.0	—10.93	2 40— 5 15	—10.90
4		5.0	— 9.49			13		5.7	—10.86		
4	Br.	8.5	— 9.40	11 5—11 15	— 9.57	13	Hl.	6.2	—10.73	6 35— 7 40	—10.74
4		11.7	— 9.74			13		8.8	—10.76		
4		16.0	— 9.65	15 35—15 40	— 9.65	14		23.0	—10.62	0 25— 1 50	—10.60
4	Br.-Bs.	16.3	— 9.91	16 40—16 50	— 9.91	14		2.6	—10.57		
5	Br.	1.1	—10.00	0 30— 0 35	—10.00	16	Hl.	8.8	—10.67	8 48	—10.67
5	Ei.-Y.	5.1	— 9.86	2 10— 4 45	— 9.86	16		12.2	—11.32	12 12	—11.32
5	Bs.	8.3	—10.17	8 45—11 20	—10.28 ¹	17	Bs.	16.6	—10.72	16 40—16 45	—10.72
5		11.9	—10.40			17	Bs.-Hl.	17.4	—10.59	17 40—17 45	—10.59
5		16.0	—10.08	15 40—18 10	—10.04	18	Bs.	23.2	—10.43	23 30— 1 50	—10.69 ²
5		18.4	— 9.99			18		2.0	—10.95		
6		22.7	—10.02	23 0— 1 25	—10.08	18	Hl.	12.6	—11.01	11 50—11 55	—11.01
6		1.1	—10.13			19	Bs.	9.6	—11.34	9 55—11 45	—11.32
6	Ei.-Y.	1.6	—10.11	2 20— 4 50	—10.06	19		12.6	—11.30		
6		5.5	—10.01			21	Hl.	23.4	— 9.63	23 35— 1 40	— 9.63
6	Hl.	6.7	— 9.91	7 40— 9 50	— 9.69	21		1.8	— 9.63		
6		10.4	— 9.47			21	Bs.	9.7	— 9.95	10 0—14 45	—10.01 ³
6		15.1	—10.18	15 45—15 50	—10.18	21		13.1	— 9.99		
6	Hl.-Bs.	16.6	— 9.64	16 50—17 0	— 9.64	21		14.5	—10.10		
7	Hl.	18.4	— 9.62	18 0—18 5	— 9.62	21		16.8	— 9.49	17 0—17 10	— 9.49
7		22.3	— 9.36	22 40— 1 15	— 9.74	21	Bs.-Hl.	17.8	— 9.53	17 55—18 5	— 9.53
7		1.5	—10.11			23	Ei.-Y.	2.6	— 9.81	2 50— 5 25	— 9.77
7	Ei.-Y.	1.8	— 9.56	2 30— 5 0	— 9.69	23		6.1	— 9.73		
7		5.5	— 9.82			25	Hl.	16.7	—10.41	16 55—17 30	—10.41
7	Br.	8.6	—10.09	9 0—11 25	—10.28	26		17.8	—10.13	18 15—18 20	—10.13
7		11.9	—10.48			26		23.4	—10.06	23 45— 1 50	—10.18
7		16.1	— 9.50	15 50—15 55	— 9.50	26		2.0	—10.29		
7	Br.-Bs.	16.7	— 9.82	16 55—17 5	— 9.82	26	Ei.-Y.	2.5	— 9.92	2 30	— 9.92
10	Hl.	0.1	—10.34	0 35— 4 35	—10.42	26		5.8	—10.52	5 48	—10.52
10		4.2	—10.49			26		9.2	—10.33	6 20— 8 45	—10.42
10		15.7	—10.92	16 5—16 10	—10.92	26	Br.	9.7	—10.33	9 42	—10.33
10	Hl.-Bs.	16.8	—10.62	17 10—17 15	—10.62	26		12.9	—11.00	12 54	—11.00
11	Hl.	0.4	—11.09	0 35— 4 15	—11.17	27		0.3	—10.35	0 18	—10.35
11		2.6	—11.27			27		3.5	—10.99	3 30	—10.99
11		5.0	—11.14			27	Hl.	9.2	—11.03	9 30—11 40	—11.14
11	Br.-Bs.	5.3	—10.49	5 25— 5 30	—10.49	27		12.4	—11.24		
11						27		17.2	—10.80	17 35—17 40	—10.80
11	Br.	5.7	—10.95	5 50— 8 15	—11.08	28	Hl.-Y.	18.0	—10.29	18 25—18 30	—10.29
11		8.9	—11.21			28	Br.-Y.	18.2	— 9.69	18 30—18 35	— 9.69
11		16.4	—10.08	16 10—16 15	—10.08	29	Br.	0.6	— 9.01	0 45— 3 0	— 9.23
11	Br.-Bs.	16.9	—10.58	17 15—17 20	—10.58	29		3.3	— 9.45		
12	Br.	2.1	—10.62	2 25— 4 35	—10.68	29	Hl.	9.4	— 9.98	9 40—11 40	—10.19
12		5.1	—10.75			29		13.3	—10.40		
12	Bs.	5.9	—10.76	6 20— 6 25	—10.76	29		17.5	—10.34	17 0—17 50	—10.34
12		16.1	—11.10	16 15—16 20	—11.10	29	Hl.-Y.	18.3	—10.36	18 35—18 40	—10.36
12	Bs.-Hl.	17.1	—11.16	17 15—17 25	—11.16						

¹ Used $-10''.50$ for λ Hydrae; reduced with two microscopes.
² Used $-10''.27$ for π Piscium; reduced with two microscopes.

³ Used $-10''.41$ for 32 Ursae Majoris; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1905 Dec. 30 30	Hl.	^h 23.5 2.4	["] -10.29 -10.70	^h ^m ^h ^m 22 35—1 45	["] -10.50	1906 Jan. 18 18 18	Ei.-Y.	^h 4.1 7.6 9.9	["] -5.63 -6.51 -6.60	^h ^m ^h ^m 4 6 7 36 8 10—9 10	["] -5.63 -6.51 -6.56
1906 Jan. 1 1	Hl.	1.1 3.8	-10.62 -11.01	0 15—3 0	-10.82	18 18 18	Br.	11.8 15.0 18.5	-6.73 -7.25 -6.43	11 48 15 0 18 40—18 45	-6.73 -7.25 -6.43
1 1	Br.	10.5 13.7	-11.09 -11.42	10 55—13 15	-11.26	18	Br.-Hl.	19.8	-7.32	20 0—20 5	-7.32
1	Br.-Bs.	18.5	-10.93	18 45—18 55	-10.93	24 24	Bs.	2.2 4.6	-3.16 -2.76	2 30—4 25	-2.96
2 2	Br.	0.3 2.8	-10.87 -11.32	0 35—1 5	-11.10	24 24 24	Ei.-Y.	5.0 8.1 11.4	-2.84 -2.87 -3.36	5 25—7 50 8 30—11 0	-2.86 -3.12
4	Br.	17.2	-7.80	18 20—18 25	-7.80	24 24	Hl.	11.9 15.8	-2.93 -3.61	11 54 15 48	-2.93 -3.61
4	Br.-Hl.	18.8	-7.61	19 0—19 5	-7.61	24	Hl.-Bs.	20.1	-3.28	20 25—20 30	-3.28
5 5	Br.	0.5 3.1	-6.92 -7.50	0 30 3 6	-6.92 -7.50	28 28 28	Bs.	12.4 15.6 19.6	-4.43 -4.67 -4.78	12 45—15 5 19 40—19 45	-4.55 -4.78
5 5	Ei.-Y.	3.3 6.8	-7.19 -7.98	3 18 4 48	-7.19 -7.98	28	Bs.-Hl.	20.5	-4.71	20 40—20 50	-4.71
5 5	Hl.	12.6 17.8	-7.91 -7.73	12 55—13 40 17 25—17 30	-7.91 -7.73	29 29	Bs.	2.3 4.4	-4.11 -4.47	2 30—4 15	-4.29
5	Hl.-Bs.	18.7	-7.95	19 5—19 10	-7.95	29 29	Ei.-Y.	4.6 7.9 11.3	-3.90 -4.24 -4.21	5 10—7 40 8 30—10 45	-4.07 -4.22
6 6	Hl.	0.2 3.3	-7.96 -8.45	0 30—3 0	-8.20	29	Br.	12.0 15.4	-4.15 -4.45	12 20—14 50	-4.30
6 6 6	Ei.-Y.	3.6 6.9 10.2	-8.10 -7.88 -8.11	4 15—6 40 7 20—9 45	-7.99 -8.00	29 29 29	Br.-Bs.	20.1	-4.35	20 45—20 55	-4.35
8	Br.-Bs.	19.1	-7.34	19 15—19 25	-7.34	30 30	Br.	1.9 5.1	-3.34 -4.25	1 54 5 6	-3.34 -4.25
9 9	Br.	1.1 4.2	-7.47 -7.83	1 25—4 0	-7.65	30 30 30	Ei.-Y.	5.8 8.8 11.6	-3.76 -3.94 -4.07	6 0—8 40 9 25—10 55	-3.85 -4.00
9	Ei.-Y.	4.4 8.1	-7.92 -7.64	5 0—7 40	-7.78	31 31	Bs.	2.6 5.7	-5.04 -5.62	2 36 5 42	-5.04 -5.62
9	Bs.	18.1	-7.50	17 45—17 50	-7.50	31	Hl.	12.8 16.1	-5.73 -5.51	11 25—15 5	-5.62
9	Bs.-Hl.	19.1	-7.69	19 20—19 30	-7.69	Feb. 1	Hl.-Bs.	20.6	-5.70	20 55—21 0	-5.70
10 10	Bs.	2.3 3.9	-7.62 -8.10	2 25—3 45	-7.86	1	Br.-Hl.	20.6	-4.48	21 0—21 5	-4.48
10 10 10	Ei.-Y.	4.1 7.3 10.8	-7.56 -7.97 -7.55	4 40—10 15	-7.76	2 2	Br.	3.2 5.6	-4.76 -4.36	3 40—5 0	-4.56
12 12	Hl.	10.7 14.6	-7.66 -7.52	9 45—13 30	-7.59	3 3	Hl.	3.4 6.9	-5.37 -4.85	4 10—5 35	-5.11
16 16	Br.	1.7 3.9	-6.07 -6.61	1 25—3 50	-6.34	4 4	Hl.	6.4 9.2	-5.52 -5.69	5 35—8 25	-5.60
16 16	Bs.	11.7 14.6	-7.26 -7.57	12 5—14 0	-7.42	5	Bs.	5.2	-4.76	5 40—8 10	-4.89
16	Bs.-Hl.	19.6	-6.92	19 50—20 0	-6.92	5	Bs.-Y.	6.8	-5.04	6 30—6 35	-5.04
18 18	Hl.	1.9 4.0	-5.94 -6.03	2 10—3 35	-5.98						

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1906 Feb. 5	Bs.	8.7	-4.87			1906 Feb. 23	Bs.	5.0 6.8	-3.45 -3.50	5 5—6 40	-3.48
7	Bs.	3.9	-4.85	4 5—6 20	-4.88	23	Ei.-Y.	7.1 11.1	-3.16 -3.56	7 35—10 20	-3.36
7		6.4	-4.92			23	Hl.	13.7 17.0	-3.88 -5.27	13 42	-3.88 -5.27
7	Ei.-Y.	6.8	-4.45	7 20—9 15	-4.55	23		22.1	-4.23	22 25—22 30	-4.23
7		10.0	-4.65 ¹			24		5.0	-2.39	5 0	-2.39
8	Br.-Hl.	21.3	-5.60	21 25—21 35	-5.60	24		7.9	-3.17	7 54	-3.17
9	Br.	3.7	-5.06	4 5—6 50	-5.22	24	Y.	8.4 11.8	-2.99 -3.54	8 24	-2.99 -3.54
9		7.4	-5.37			24					
9	Hl.	10.9	-5.33	10 20—14 10	-5.22	25	Bs.-Hl.	22.3	-4.20	22 30—22 40	-4.20
9		14.6	-5.12			26	Bs.	5.4 8.3	-3.50 -3.87	5 50—8 10	-3.68
9	Hl.-Bs.	21.3	-4.99	21 30—21 40	-4.99	26					
10	Hl.	4.7	-5.30	4 55—7 15	-5.21	27	Br.	5.9 8.8	-3.10 -3.57	5 54	-3.10 -3.57
10		8.3	-5.12			27					
12	Br.-Bs.	21.5	-6.06	21 40—21 50	-6.06	28	Bs.	6.1 8.8	-4.26 -4.60	11 30—8 45	-4.43
13	Br.	4.4	-5.40	4 45—6 5	-5.42	28					
13		6.3	-5.45			Mar. 1	Hl.-Bs.	22.4	-4.96	22 45—22 50	-4.96
13	Ei.-Y.	6.7	-4.93	7 15 9 30	-4.98	1	Hl.	4.6 7.8	-3.99 -4.26	3 30—7 25	-4.12
13		9.7	-5.02			1					
13	Bs.-Hl.	21.6	-4.85	21 45—21 55	-4.85	1	Br.-Hl.	22.5	-3.81	22 45—22 55	-3.81
14	Hl.-Bs.	21.6	-2.81	21 50—21 55	-2.81	2	Br.	4.7 8.3	-2.99 -3.50	4 20—7 50	-3.24 ²
15	Hl.	4.5	-2.75	4 55—7 20	-2.92	2					
15		8.2	-3.09			4	Hl.-Bs.	6.3	-2.43	11 5—6 10	-2.43
15	Br.-Hl.	21.5	-3.39	21 55—22 11	-3.39	4	Hl.	7.6 10.4	-2.66 -2.90	8 5—9 40	-2.78
16	Br.	4.7	-3.91	5 0—7 50	-3.88	4					
16		8.3	-3.86			5	Bs.	6.0 8.3	-2.39 -2.64	6 15—8 10	-2.52
16	Hl.	12.8	-3.40	13 5—15 45	-3.27	5					
16		16.2	-3.14	16 55—17 0	-3.41	5	Y.	8.6	-2.57	9 5—11 35	-2.47
16		17.8	-3.68			5	Ei.-Y.	12.3	-2.37		
16	Hl.-Bs.	21.7	-3.53	22 0—22 5	-3.53	5	Br.	14.2 17.4	-2.80 -3.26	14 45—16 55	-3.03
17	Hl.	6.4	-3.57	6 0—9 15	-3.58	5					
17		10.0	-3.58			5	Br.-Bs.	22.8	-2.57	23 0—23 10	-2.57
18	Bs.-Br.	21.8	-4.63	22 5—22 15	-4.63	6	Br.	0.2 6.2 9.1	-2.62 -2.36 -2.13	23 50—23 55 6 30—9 0	-2.62 -2.24
19	Bs.	5.5	-3.87	5 30	-3.87	6					
19		8.8	-4.53	8 48	-4.53	6	Y.	9.3 11.5	-1.95 -2.15	9 40—10 45	-2.05
19	Br.	13.9	-4.83	14 10—16 10	-4.74	6					
19		16.8	-4.66			8	Hl.	10.7	-2.85	11 50—9 55	-2.85
19	Br.-Bs.	21.7	-3.80	22 10—22 15	-3.80	9	Y.	10.1 13.5	-3.10 -3.37	10 40—12 45	-3.24
20	Br.	5.4	-2.44	5 40—8 15	-2.58	10	Hl.	6.3 9.0	-3.59 -3.59	6 0—8 40	-3.59
20		8.7	-2.71			10					
22	Hl.	6.4	-3.76	6 0—9 30	-3.79	10	Y.	9.6 13.0	-3.51 -3.27	10 10—12 40	-3.39
22		10.1	-3.82			10					
22	Bs.	14.0	-4.42	14 20—16 15	-4.56	12	Bs.-Y.	23.2	-2.88	23 25—23 30	-2.88
22		16.9	-4.69								
22	Bs.-Hl.	22.1	-4.59	22 20—22 30	-4.59						

¹ One set of microscope readings used.² Used -0".37 for β Orionis; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1906 Mar. 12	Bs.	h 1.0	" -2.66	h m h m 0 25—0 30	" -2.66	1906 Apr. 9	Br.	h 14.6	" -3.73	h m h m 14 10—14 15	" -3.73
15	Br.	16.4	-3.19	16 40—16 45	-3.19	10		8.2	-2.78	8 35—10 10	-2.86
15	Br.-Hl.	23.3	-2.96	23 40—23 45	-2.96	10		10.3	-2.95		
17	Bs.	14.9	-2.70	15 20—17 5	-2.72	10	Y.	10.5	-2.53	10 30	-2.53
17		17.6	-2.75	18 40—18 45	-3.03	10		13.9	-3.19	13 54	-3.19
17		18.5	-3.03			10		16.8	-3.38	14 10—16 10	-3.28
19	Br.	15.3	-2.81	15 45—16 50	-2.88	12	Bs.	2.8	-2.44	2 10—2 15	-2.44
19		17.7	-2.96			12		9.1	-2.28	9 10—11 10	-2.45
20		6.6	-2.71	6 55—9 35	-2.66	12	Br.	16.3	-2.55	16 40—18 5	-2.46
20		9.8	-2.60			12		18.6	-2.38		
20	Y.	10.1	-2.64	10 35—12 45	-2.63	12	Br.-Y.	1.2	-2.10	1 20—1 30	-2.10
20		13.1	-2.62	13 6	-2.62	13	Br.	2.8	-1.83	2 20—2 25	-1.83
20		16.4	-3.26	16 24	-3.26	13		8.2	-1.23	8 40—10 20	-1.48
20	Bs.-Y.	23.7	-2.83	23 55—0 5	-2.83	13		10.5	-1.73		
21	Bs.	7.1	-2.21	7 15—9 35	-2.27	13	Y.	10.7	-1.62	11 20—15 45	-1.44
21		9.7	-2.33			13		14.2	-1.25		
21	Y.	10.0	-2.50	10 35—12 20	-2.50	13		16.2	-1.64		
21		12.8	-2.50			13	Bs.-Y.	1.3	-0.60	1 25—1 30	-0.60
21	Bs.-Y.	23.8	-2.68	0 0—0 10	-2.68	15	Bs.	16.3	-1.27	16 18	-1.27
22	Bs.	1.4	-2.37	0 35—1 5	-2.37	15		18.9	-2.15	18 54	-2.15
22		7.2	-2.38	7 12	-2.38	15		20.2	-2.46	20 20—20 25	-2.46
22		10.3	-3.00	10 18	-3.00	16	Bs.	9.3	-1.99	9 20—11 40	-2.09
22	Br.	14.8	-2.99	15 10—17 15	-3.06	16		11.8	-2.19		
22		17.8	-3.13			16	Y.	12.1	-1.83 ¹	12 35—13 10	-1.91
22	Br.-Y.	23.9	-2.54	0 5—0 10	-2.54	16		15.3	-1.97 ¹	13 10—15 0	-1.80
23	Br.	1.6	-2.11	0 45—1 5	-2.11	16		18.4	-1.60	15 30—17 55	-1.78
23		6.8	-2.31	7 10—9 45	-2.14	16	Br.-Y.	1.3	-2.33	1 35—1 45	-2.33
23		9.9	-1.96			17	Br.	3.6	-2.80	2 35—2 40	-2.80
27	Bs.-Y.	0.2	-1.67	0 25—0 30	-1.67	17		8.6	-2.44	9 0—11 35	-2.48
31	Bs.	11.9	-2.11	12 10—21 40	-2.26	17		11.8	-2.51		
31		15.0	-2.41			17	Y.	12.0	-2.24	12 35—15 10	-2.28
Apr. 1	Bs.	15.8	-2.89	16 0—17 50	-2.90	17		15.5	-2.31		
1		18.4	-2.91			17	Bs.	0.8	-2.20	0 25—0 30	-2.20
1	Bs.-Y.	0.4	-2.59	0 40—0 50	-2.59	17	Bs.-Y.	1.5	-2.26	1 40—1 45	-2.26
2	Bs.	2.0	-2.29	1 25—1 30	-2.29	18	Bs.	3.3	-2.52	2 40—2 45	-2.52
2		8.2	-3.23	7 30—7 35	-3.23	18		10.1	-2.45	10 30—13 0	-2.56
2		9.8	-3.49	8 20—9 45	-3.36	18		13.6	-2.68		
2	Y.	10.1	-2.97	10 40—13 10	-3.20	19	Bs.	10.2	-2.41	10 25—12 0	-2.42
2		13.4	-3.44	13 40—16 0	-3.28	19		12.0	-2.44		
2		16.4	-3.11			19	Y.	12.3	-1.90	13 0—15 10	-1.88
5	Br.	7.6	-2.79	7 36	-2.79	19		15.4	-1.87	15 40—17 35	-1.92
6		10.3	-3.40	10 18	-3.40	19		18.0	-1.96		
6	Y.	10.6	-2.96	11 15—12 20	-2.96	19	Br.-Y.	1.6	-2.05	1 45—1 55	-2.05
7	Bs.	8.3	-3.33	9 55—10 55	-3.30	20	Br.	9.8	-1.40	9 20—12 0	-1.53
7		11.0	-3.26			20		12.2	-1.66		
7	Y.	11.4	-3.19	11 55—14 25	-3.26	20	Bs.	1.8	-0.49	1 50—2 0	-0.49
7		14.8	-3.34	15 5—16 50	-3.32	23	Bs.	10.0	-0.37	10 10—12 15	-0.52 ²
7		17.2	-3.29			23		12.1	-0.68		

¹ New lamp inserted in microscope VIII at 13^h.0. Reading at 12^h.1 decreased 0^{''}.35 when used after 13^h; reading at 15^h.3 increased 0^{''}.35 when used before 13^h.0.² Used -3^{''}.36 for 6 B. Ursæ Minoris; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		^h	["]	^h ^m ^h ^m	["]			^h	["]	^h ^m ^h ^m	["]
1906 Apr. 23	Br.-Y.	1.8	+ 0.82	2 0—2 10	+ 0.82	1906 June 14	Br.	19.1	- 2.65	18 30—18 35	- 2.65
24	Br.	9.6	- 0.13	9 55—12 5	- 0.20	14	Br.-Bs.	5.4	- 2.42	5 30—5 35	- 2.42
24		12.3	- 0.27			15	Br.	6.7	- 1.61	6 5—7 50	- 1.38
24	Y.	12.5	- 0.31	13 5—16 30	- 0.41	15		8.3	- 1.15		
24		16.1	- 0.51			17	Hl.-Bs.	5.4	- 0.74	5 40—5 50	- 0.74
24	Bs.-Ei.	2.0	+ 0.79	2 5—2 15	+ 0.79	20	Hl.-Bs.	5.6	- 1.22	5 55—6 0	- 1.22
26	Br.	1.6	+ 6.05	0 40—0 45	+ 6.05	21	Hl.	8.6	- 0.66	8 15—8 20	- 0.66
27		10.3	+ 3.34	10 35—13 25	+ 3.28	21	Br.-Bs.	5.8	- 1.04	6 0—6 5	- 1.04
27		13.8	+ 3.23			22	Br.	6.8	- 0.50	7 10—7 15	- 0.50
27	Bs.	16.7	+ 2.91	16 5—18 45	+ 2.74	22	Y.	15.6	+ 0.04	14 45—19 15	+ 0.03
27		19.2	+ 2.56			22		18.9	+ 0.02		
27		1.0	+ 2.25	0 45—0 50	+ 2.25	22	Bs.-Hl.	5.8	- 0.68	0 0—6 10	- 0.68
27	Bs.-Ei.	2.2	+ 2.35	2 15—2 25	+ 2.35	24	Hl.-Bs.	5.8	- 1.14	6 10—6—20	- 1.14
28	Bs.	4.1	+ 2.74	3 30—6 20	+ 2.56	25	Hl.	9.5	- 0.98	8 35—8 40	- 0.98
28		6.9	+ 2.38 ¹			25	Y.	15.1	- 0.35	15 40—21 5	- 0.32
29	Bs.	1.1	+ 4.59	0 50—0 55	+ 4.59	25		18.2	- 0.26		
29	Bs.-Ei.	2.3	+ 4.67	2 25—2 30	+ 4.67	25		21.4	- 0.35		
30	Bs.	4.3	+ 4.17	3 40—8 10	+ 4.11	25	Br.-Bs.	6.0	- 0.51	6 15—6 20	- 0.51
30		8.0	+ 4.05			26	Br.	8.2	- 0.49	7 40—7 45	- 0.49
30		10.0	+ 3.68	10 15—12 10	+ 3.64	26	Bs.-Hl.	6.1	- 1.20	6 20—6 25	- 1.20
30		12.7	+ 3.59			27	Bs.	9.0	- 0.86	8 45—8 50	- 0.86
30	Br.	16.3	+ 3.83	16 55—18 45	+ 3.86	27	Hl.-Bs.	6.0	- 0.76	6 25—6 30	- 0.76
30		19.4	+ 3.90			28	Hl.	8.3	- 0.56	7 55—8 0	- 0.56
May 1	Br.	9.7	+ 3.65	8 55—12 5	+ 3.76	28	Br.-Bs.	6.2	+ 0.31	6 25—6 35	+ 0.31
1		12.4	+ 3.86			29	Br.	7.9	+ 0.38	8 0—9 0	+ 0.42
2	Bs.	10.3	+ 4.75	9 55—12 55	+ 4.80	29		9.4	+ 0.46		
2		13.5	+ 4.84			29		13.4	+ 1.01	12 50—12 55	+ 1.01
3	Br.	16.4	+ 3.98	16 50—19 0	+ 3.78	29	Y.	16.6	+ 1.23	17 5—19 30	+ 1.11
3		19.5	+ 3.59			29		19.9	+ 0.99	20 20—22 5	+ 0.85
3	Br.-Y.	2.5	+ 4.12	2 40—2 45	+ 4.12	29		22.5	+ 0.71		
4	Br.	4.7	+ 4.53	4 0—4 5	+ 4.53	29	Bs.-Hl.	6.3	+ 0.89	6 30—6 40	+ 0.89
4		10.2	+ 3.69	10 25—12 55	+ 3.88	30	Y.	15.4	+ 1.66	15 50—18 0	+ 1.61
4		13.4	+ 4.07			30		18.5	+ 1.56		
4	Bs.	15.6	+ 3.91	15 50—18 20	+ 3.76	July 1	Bs.	15.2	+ 1.01	14 40—14 45	+ 1.01
4		18.9	+ 3.62			1	Hl.-Bs.	6.4	+ 0.86	6 40—6 45	+ 0.86
21	Y.	13.8	- 28.46	14 5—15 55	- 28.67	2	Hl.	9.9	+ 0.95	9 5—9 10	+ 0.95
21		16.2	- 28.88			2	Br.	21.3	+ 1.46	20 45—21 25	+ 1.46
29	Y.	13.5	- 24.15	13 30	- 24.15	2	Br.-Bs.	6.6	+ 0.97	6 45—6 50	+ 0.97
29		16.3	- 24.72	16 18	- 24.72	3	Br.	8.3	+ 1.64	9 10—9 15	+ 1.58
June 8	Br.	14.8	- 0.33	15 5—16 10	- 0.37	3		9.7	+ 1.52		
8		17.3	- 0.41								
8	Hl.-Y.	4.4	- 0.71	5 5—5 10	- 0.71						
11	Y.	14.1	- 0.79	14 6	- 0.79						
11		17.7	- 1.27	17 42	- 1.27						
11		20.3	- 2.02	20 18	- 2.02						
11	Br.-Bs.	5.1	- 1.78	5 15—5 25	- 1.78						

¹ The readings of microscope VI increased 10".

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1906 July 4	Hl.-Bs.	6.5	+ 0.16	6 50—7 0	+ 0.15	1906 Sept. 3	Br.-Hl.	0.2	+7.37	23 50—0 0	+7.37
5	Hl.	9.1	+ 0.22	8 35—9 25	+ 0.34	3	Br.	10.1	+7.20	9 45—9 50	+7.20
5		9.9	+ 0.47			3	Br.-Y.	10.7	+7.07	10 45—10 55	+7.07
5	Y.	15.3	+ 0.52	15 18	+ 0.52	4	Br.	13.4	+7.77	13 35—13 40	+7.77
5		19.3	- 0.92	19 18	- 0.92	4		18.8	+7.47	19 0—21 5	+7.36
5	Br.-Bs.	6.7	- 0.77	6 55—7 5	- 0.77	4		21.7	+7.25		
6	Br.	8.5	- 0.55	9 25—9 30	- 0.48	4	P.	23.7	+7.23	23 42	+7.23
6		10.0	- 0.41			4		3.3	+6.22	3 18	+6.22
6	Bs.	19.9	- 0.35	20 0—22 40	- 0.57	5		14.4	+6.37	13 40—13 45	+6.37
6		23.1	- 0.79			5		19.2	+6.33	19 12	+6.33
6	Bs.-Hl.	6.7	- 1.69	7 0—7 5	- 1.69	5		22.7	+5.50	22 42	+5.50
7	Bs.	8.6	- 1.51	8 50—9 35	- 1.31	5	Hl.	0.9	+5.37	1 10—3 55	+5.52
7		10.1	- 1.11			5		4.3	+5.67		
7	Y.	16.6	- 1.01	17 10—19 35	- 1.16	6	Y.	18.1	+0.49	18 15—21 20	+0.44
7		19.9	- 1.32	20 10—20 40	- 1.42	6		21.7	+0.40	22 0—0 30	+0.36
7		21.4	- 1.51			6		0.8	+0.32		
8	Hl.-Bs.	6.7	- 0.72	7 10—7 15	- 0.72	6	Br.	9.8	+0.84	10 5—10 10	+0.84
9	Hl.	9.9	- 0.49	8 0—9 45	- 0.49	6	Br.-Hl.	10.8	+0.42	11 0—11 5	+0.42
Aug. 15	Y.	17.1	+8.29	17 40—20 10	+8.32	7	Br.	14.1	+1.34	13 45—13 50	+1.34
15		20.5	+8.35			7	Y.	18.7	+1.52	19 20—21 50	+1.48
20	Br.-Hl.	9.7	+7.71	9 55—10 5	+7.71	7		22.2	+1.43	22 12	+1.43
21	Br.	13.1	+8.17	12 40—12 45	+8.17	7		0.5	+0.82	0 30	+0.82
22	Hl.	23.7	+8.14	22 55—23 0	+8.14	8	Y.	18.7	+1.55	19 10—23 40	+1.66
23	Y.	17.3	+8.64	17 50—20 25	+8.68	8		20.8	+1.81		
23		20.7	+8.71			8		0.0	+1.61		
23	Br.	23.6	+8.59	0 10—1 0	+8.56	9	Hl.	1.1	+8.46	1 25—3 45	+8.26
23		2.9	+8.53			9		4.5	+8.06		
23	Br.-Hl.	9.9	+8.25	10 5—10 15	+8.25	9	Hl.-Y.	10.9	+8.48	11 10—11 15	+8.48
26	Hl.-Y.	10.0	+6.58	10 20—10 25	+6.58	10	Hl.	14.3	+8.63	14 0—14 5	+8.63
27	Hl.	13.4	+7.30	13 5—13 10	+7.30	10	P.	3.8	+8.37	3 50—5 40	+8.32
30	Y.	17.2	+7.90	17 50—19 30	+7.74	10		5.3	+8.27	10 35—10 40	+8.29
30		20.4	+7.57			10		10.9	+8.29		
30	Br.	23.4	+7.73	22 55—1 0	+7.52	10	P.-Hl.	11.1	+7.98	11 10—11 20	+7.98
30		3.0	+7.32			11	P.	14.5	+9.11	14 0—14 5	+9.11
30	Br.-Hl.	10.3	+7.40	10 35—10 40	+7.40	11	Y.	18.4	+9.12	19 0—21 30	+9.12
31	Br.	13.7	+7.95	13 20—13 25	+7.95	11		21.1	+9.11		
31	Y.	17.5	+8.02	17 30	+8.02	14	Hl.	13.9	+7.92	14 15—14 20	+7.92
31		18.9	+7.13	18 54	+7.13	14		17.3	+8.49	18 0—19 0	+8.68
31	Br.	19.0	+7.63	19 0	+7.63	14		19.2	+8.87		
31		21.6	+6.82	21 36	+6.82	18	P.	17.3	+7.83	18 0—19 0	+7.88
Sept. 2	Hl.	23.8	+7.70	23 0—23 5	+7.70	18		19.2	+7.92		
3	Hl.	20.5	+7.79	20 45—23 25	+7.73	18	Hl.-Y.	11.4	+8.58	11 40—11 50	+8.58
3		23.7	+7.67			19	Hl.	14.9	+9.41	14 35—14 40	+9.41
						19		17.6	+9.94	18 0—18 45	+9.82
						19		19.1	+9.71		
						19	Y.	19.3	+9.66	19 50—22 15	+9.53
						19		22.3	+9.40	22 50—0 15	+9.30
						19		0.8	+9.20		

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1906 Sept. 19	P.	1.4 5.7	+9.53 +8.87	1 24 5 42	+9.53 +8.87	1906 Oct. 8	P.-HI.	12.6	+5.45	12 55—13 0	+5.45
19	P.-HI.	11.4	+8.94	11 45—11 50	+8.94	9	P.	14.3	+6.59	13 35—13 40	+6.59
20	P.	14.3	+9.62	14 35—14 40	+9.62	10	Br.-HI.	12.8	+2.38	13 0—13 10	+2.38
20	Y.	19.6	+9.87	20 10—22 55	+9.66	11	Br.	14.2	+2.93	13 45—13 50	+2.93
20		23.1	+9.46	23 20—1 40	+9.30	11		16.2	+2.84	15 50—15 55	+2.84
20		2.0	+9.14			11		18.8	+2.65	18 48	+2.65 ¹
20	HI.	2.5	+9.45	2 30	+9.45	11		21.2	+1.83	21 12	+1.83
20		5.5	+8.91	5 30	+8.91	11	P.	21.5	+2.05	22 0—3 0	+1.97
20	HI.-Y.	11.2	+8.78	11 50—11 55	+8.78	11		1.0	+1.61		
21	HI.	18.4	+9.39	18 0—20 45	+9.32	11		3.5	+2.24		
21		21.2	+9.26			11	HI.	3.8	+1.69	4 5—6 40	+1.48
21	P.	21.5	+9.55 ¹	22 0—22 50	+9.32	11		7.3	+1.27	8 45—8 50	+1.12
21		0.1	+9.10	0 30—3 55	+9.10	11		9.4	+0.98		
21		3.4	+9.09			11	HI.-P.	12.9	+1.45	13 5—13 10	+1.45
23	HI.-Y.	11.7	+7.70	12 0—12 5	+7.70	12	HI.	14.2	+1.49	13 55—14 0	+1.49
24	HI.	15.3	+8.39	14 50—14 55	+8.39	12		15.5	+1.23	15 55—16 0	+1.23
24		17.1	+8.23	17 45—19 25	+8.31	12		20.4	+1.47	20 40—22 50	+1.62
24		18.4	+8.46			12		23.2	+1.77		
24		19.5	+8.23			12	P.	23.4	+1.63	23 50—2 35	+1.62
24	Y.	19.7	+8.68	19 42	+8.68	12		2.9	+1.60	9 40—9 45	+1.74
24		23.3	+7.39	23 18	+7.39	12		9.0	+1.88		
24		2.3	+6.13	2 18	+6.13	12	P.-HI.	12.8	+1.48	13 10—13 15	+1.48
24	P.	2.8	+6.53	2 48	+6.53	13	P.	13.7	+2.07	14 0—14 5	+2.07
24		6.5	+5.35	6 30	+5.35	13		20.7	+2.34	21 5—23 25	+2.26 ³
25		15.4	+6.38	14 55—15 0	+6.38	13		23.7	+2.18		
25		18.0	+6.81	18 0	+6.81	14	HI.	0.9	+2.84	1 25—3 55	+2.92
25		20.2	+6.22	20 12	+6.22	14		4.6	+2.99		
25	Y.	20.4	+6.30	21 0—23 15	+6.30	14	HI.-P.	12.8	+4.00	13 15—13 25	+4.00
25		23.6	+6.29	0 0—2 15	+6.26	15	HI.	14.4	+4.83	14 10—14 15	+4.83
25		2.6	+6.22			15		16.4	+5.29	16 5—16 10	+5.29
29	HI.	18.6	+7.42	18 55—20 45	+7.48	15		20.6	+5.01	20 45—22 50	+4.88
29		20.9	+7.55			15		23.0	+4.76		
Oct. 4	III.-P.	12.3	+6.94	12 40—12 45	+6.94	15	P.	23.3	+4.89	0 5—2 40	+4.80
5	HI.	16.1	+7.15	15 30—15 35	+7.15	15		3.0	+4.71		
6	P.	21.0	+6.46	21 0	+6.46	25	HI.	22.6	+7.13	21 25—23 25	+7.12
6		0.3	+5.13	0 18	+5.13	25		23.6	+7.11		
6		2.7	+4.78	0 40—2 10	+4.96	25	P.	23.7	+7.26	0 25—2 50	+7.32
6						25		3.2	+7.39		
6	HI.	3.0	+4.69	3 15—5 40	+4.62	Instrument reversed to Clamp East. Stellar focus adjusted.					
6		6.3	+4.56			1907 Apr. 17	M.	8.2	-3.41	8 50—9 00	-3.22
7	HI.	1.0	+4.67	1 25—3 55	+4.60	17		10.2	-3.04		
7		4.6	+4.54	5 10—5 35	+4.91	17	P.	10.7	-3.06	11 0—13 30	-2.93
7	HI.-P.	4.9	+4.91			17		14.5	-2.80		
7	HI.-P.	12.6	+4.54	12 50—12 55	+4.54	17	M.	23.8	-2.31	23 20—23 25	-2.31
8	HI.	15.3	+4.70	15 40—15 45	+4.70	18	M.	8.9	-3.40	9 10—11 5	-3.37
8		18.4	+5.17	18 55—20 50	+5.12	18		11.8	-3.34		
8		20.9	+5.07			18					
8	P.	21.2	+5.14	21 45—0 25	+5.12 ²	19	HI.	10.2	-3.53	10 12	-3.53
8		0.5	+5.10	1 5—3 20	+5.02	19		13.2	-2.84	13 12	-2.84
8		3.7	+4.93								

¹The readings of microscope II increased 5".²Used +2".26 for μ Capricorni and B. D. -6".8110; reduced with two microscopes³Used -0".52 for 138 B. Cephei; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1907 Apr. 19	P.	h 15.8	" -2.99	h m h m 15 48	" -2.99	1907 May 9	M.	h 11.3	" -4.30	h m h m 11 35-13 45	" -4.08
19		19.0	-2.28	19 0	-2.28	9		14.2	-3.85		
19		23.9	-2.13	23 30-23 35	-2.13	9	HI.	17.2	-4.15	17 25-19 10	-3.94
20	P.	9.1	-3.21	8 10-8 15	-3.21	9		19.9	-3.74		
20		12.6	-2.93	9 20-12 0	-3.07	9		1.3	-4.25	1 0-1 5	-4.25
21	HI.	8.6	-3.93	9 0-11 20	-3.96	9		2.4	-4.91	2 5-2 10	-4.75
21		12.0	-3.98			9	HI.-P.	2.8	-4.70	3 0-3 10	-4.70
21	M.	16.2	-3.36	16 35-18 35	-3.28	10	P.	2.5	-4.34	2 15-2 20	-4.34
21		19.1	-3.21			10	P.-M.	2.9	-4.49	3 5-3 15	-4.49
21		0.1	-2.83	23 40-23 45	-2.83	11	P.	11.1	-4.94	11 10-13 35	-4.96
21	M.-HI.	1.8	-3.25	1 55-2 0	-3.25	11		14.0	-4.97		
23	P.	0.2	-2.62	23 45-0 35	-2.60	12	M.	16.5	-4.04	16 55-19 30	-4.00
23		1.7	-2.57			12		20.1	-3.95		
23	P.-M.	1.8	-2.55	2 0-2 10	-2.55	12		1.4	-3.46	1 10-2 35	-3.46
24	P.	10.1	-3.10	10 6	-3.10	12	M.-HI.	3.1	-4.12	3 15-3 20	-4.12
24		12.2	-2.61	12 12	-2.61	13	M.	10.9	-6.59	10 54	-6.59
24	M.	15.8	-2.68	16 20-18 40	-2.48	13		14.1	-5.58	14 6	-5.58
24		19.1	-2.28			13	HI.	16.8	-5.85	16 48	-5.85
24		23.7	-2.05	23 50-0 40	-2.05	13		20.0	-5.13	20 0	-5.13
24	M.-HI.	1.9	-3.07	2 5-2 10	-3.07	13		1.0	-4.51	1 0	-4.51
25	M.	9.6	-4.52	9 55-12 35	-4.60	13		2.3	-4.92	2 18	-4.92
25		13.1	-4.69			13		3.1	-5.29	3 6	-5.29
25	HI.	16.0	-5.27	16 15-18 5	-5.04	13	HI.-P.	3.2	-5.02	3 20-3 25	-5.02
25		18.5	-4.80			14	HI.	11.4	-7.45	11 24	-7.45
25		0.2	-4.52	23 55-0 45	-4.78	14		14.8	-6.65	14 48	-6.65
25		1.3	-5.05			14	P.	17.2	-6.06	17 15	-6.06
25	HI.-P.	1.8	-4.71	2 10-2 15	-4.71	14		19.7	-5.44	19 42	-5.44
26	P.	0.6	-4.01	0 0-0 5	-4.01	14		1.8	-5.37	1 20-1 25	-5.37
29	M.	12.6	-1.96	12 55-15 10	-1.89	14	P.-M.	3.2	-5.63	3 20-3 30	-5.63
29		15.6	-1.82			16	HI.	3.3	-5.55	3 0-3 5	-5.55
29	HI.-P.	2.1	-3.94	2 25-2 30	-3.94	16	HI.-P.	3.3	-5.14	3 30-3 35	-5.14
30	HI.	10.9	-6.30	11 10-13 10	-6.12	17	HI.	11.3	-6.04	11 40-13 40	-6.00
30		13.8	-5.94			17		14.3	-5.95	14 40-16 10	-5.80
30	P.-HI.	17.9	-5.11	17 25-17 30	-5.11	17		16.6	-5.66		
May 2	HI.	0.8	-3.52	0 25-1 25	-3.52	17	P.	1.8	-4.73	1 35-1 40	-4.73
3	P.	1.8	-4.43	1 25-1 30	-4.43	17	P.-M.	3.3	-5.56	3 5-3 40	-5.56
3	P.-M.	2.4	-4.44	2 40-2 45	-4.44	18	P.	11.5	-6.14	11 45-14 0	-6.22
4	P.	10.5	-4.14	10 30	-4.14	18		14.2	-6.29		
4		13.5	-2.99	13 30	-2.99 ¹	19	M.-HI.	3.5	-6.09	3 40-3 50	-6.09
4	HI.	16.7	-3.43	16 42	-3.43	20	M.	11.4	-5.48	11 24	-5.48
4		19.9	-2.96	19 54	-2.96	20		14.9	-4.84	14 54	-4.84
6	M.-HI.	3.1	-4.43	2 45-2 55	-4.43	20	HI.	17.5	-5.50	17 30	-5.50
7	P.	1.2	-3.60	0 50-0 55	-3.60	20		20.6	-4.44	20 36	-4.44
7						20		2.2	-3.87	1 45-1 50	-3.87
7	P.-M.	2.7	-3.48	2 55-3 0	-3.48	20	HI.-P.	3.3	-4.00	3 35-3 55	-4.00

¹ Used -1''.68 for ψ Virginis; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1907 May 21	Hl.	h 11.8	" -5.12	h m h m 11 48	" -5.12	1907 June 16	M.-P.	h 5.3	" +7.25	h m h m 5 35—5 45	" +7.25
21		15.1	-4.50	15 6	-4.50	17	M.	15.4	+6.42	15 50—17 35	+6.34
21	P.	2.3	-4.38	1 50—1 55	-4.38	17		17.8	+6.27		
21	P.-M.	3.6	-4.44	3 50—3 55	-4.44	17	P.	18.4	+6.03	18 30—20 50	+6.07
23	M.	11.9	-5.83	11 54	-5.83	17		21.4	+6.11		
23		13.8	-5.07	13 48	-5.07	17		4.3	+6.51	4 0—4 5	+6.51
27	P.	13.6	+5.61 ¹	13 36	+5.61	18	M.-P.	5.4	+5.72	5 45—5 50	+5.72
27		16.6	+6.43 ¹	16 36	+6.43	19	M.	7.9	+6.05	7 30—7 35	+6.05
28	M.	12.3	+0.90	12 18	+0.90	19	P.	18.4	+5.79	19 15—21 25	+5.81
28		15.2	+1.46	15 12	+1.46	19		21.9	+5.83 ⁵		
28	P.	17.6	+1.97	18 0—20 10	+2.17	19		4.5	+6.42	4 10—4 15	+6.42
28		20.6	+2.37			19	P.-M.	5.6	+6.33	5 50—5 55	+6.33
28		2.7	+2.41	2 25—2 30	+2.41	20	P.	14.0	+5.25	13 25—13 30	+5.25
28	P.-M.	4.1	+1.49	4 20—4 25	+1.49	20		17.2	+5.08	14 30—16 45	+5.16
29	M.	17.7	+1.30	18 5—20 10	+1.48	20	M.	4.6	+5.61	4 15—4 20	+5.61
29		20.6	+1.66			20	M.-P.	5.6	+5.92	5 55—6 0	+5.92
June 3	M.	12.7	+5.77	12 42	+5.77	21	M.	14.2	+5.36	14 20—16 45	+5.42
3		15.9	+6.25	15 54	+6.25	21		17.1	+5.47		
3	P.	17.5	+6.51	18 5—20 25	+6.63 ²	21	P.	18.7	+5.27	19 10—21 35	+5.36
3		20.8	+6.75			21		22.0	+5.44		
3		23.8	+7.49	0 0—0 5	+7.49	21		4.0	+6.73	4 20—4 25	+6.73
3		3.2	+7.37	2 50—2 55	+7.37	21	P.-M.	5.7	+6.26	5 55—6 5	+6.26
3	P.-M.	4.5	+6.45	4 40—4 50	+6.45	22	P.	14.2	+4.87	14 15	+4.87
5	M.	13.3	+5.41	13 18	+5.41	22		17.5	+5.56	17 30	+5.56
5		15.8	+6.00	15 48	+6.00	23	P.	14.2	+4.66	14 40—17 10	+4.86
5	P.	2.9	+6.69	3 0—3 5	+6.69	23		17.6	+5.07		
5	P.-M.	4.6	+6.21	4 50—5 0	+6.21	23	M.-P.	5.8	+5.17	6 5—6 10	+5.17
6	P.	12.6	+5.99	13 40—16 10	+6.09	24	M.	8.4	+5.28	7 55—8 0	+5.28
6		15.7	+6.19			24		14.3	+4.11	14 45—16 30	+4.31
6	M.	18.2	+6.21	18 35—20 35	+6.42	24		17.1	+4.51		
6		21.2	+6.63			24	M.-Hl.	17.2	+4.16	17 25—17 30	+4.16
6		2.9	+7.08	3 5—3 10	+7.08	24	Hl.	18.5	+4.03	18 45—21 0	+4.14
6	M.-P.	4.6	+6.61	4 55—5 0	+6.61	24		21.6	+4.24		
8	P.	13.2	+3.90	13 12	+3.90	24		4.6	+4.91	4 35—4 40	+4.91
8		16.4	+4.53	16 24	+4.53	24	Hl.-P.	5.8	+4.90	6 10—6 15	+4.90
10	M.-P.	5.4	+3.83	5 5—5 15	+3.83	25	P. Hl.	19.1	+1.72	18 30—18 40	+1.72
14	P.	18.2	+6.83	18 45—21 5	+7.04 ³	25	P.	19.5	+2.10	19 40—21 30	+2.14
14		21.5	+7.25			25		22.0	+2.17		
14		4.0	+6.74	3 45—3 50	+6.74	25	P.-Hl.	6.0	+2.16	6 15—6 20	+2.16
14	P.-M.	5.2	+6.47	5 30—5 35	+6.47	26	Hl.	18.9	+1.93	19 10—21 10	+2.18
15	P.	7.5	+6.49	7 5—7 10	+6.49	26		21.8	+2.43		
15		13.6	+5.91	13 36	+5.91	27		14.6	+4.18	15 5—17 15	+4.30
15		17.0	+6.57	17 0	+6.57	27		17.8	+4.43		
16	M.	18.4	+6.80 ⁴	18 50—21 10	+6.92						
16		21.6	+7.03								
16		3.7	+7.36	3 55—4 0	+7.36						

¹ Two microscopes used.² Used +6".15 for θ Serpentis; reduced with two microscopes.³ Used +6".15 for ω Capricorni; reduced with two microscopes.⁴ One micrometer reading changed from 46.070 to 46.170 rev.⁵ One micrometer reading changed from 46.089 to 46.039 rev.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1907 June 27	P.	^h 19.0	["] +5.12	^h ^m ^h ^m 19 25—21 55	["] +5.02	1907 July 21	M.	^h 21.1	["] +5.73	^h ^m ^h ^m 21 6	["] +5.73
27		22.5	+4.93			21		0.2	+6.69	0 12	+6.69
27		4.7	+5.31	4 50—4 55	+5.31	21		7.2	+6.28	7 0—7 5	+6.28
27	P.-HI.	6.0	+4.67	6 20—6 30	+4.67	21	M.-HI.	7.6	+6.26	8 0—8 5	+6.26
30	P.	19.5	+4.89	19 5—22 10	+5.01	22	HI.	21.9	+4.64	21 54	+4.64
30		22.6	+5.13	23 45—23 50	+5.60	22		23.9	+5.52	23 54	+5.52
30		0.1	+5.60			22		7.6	+5.57	7 5—7 10	+5.57
30		4.9	+5.14	5 5—5 10	+5.14	22	HI.-M.	7.7	+5.83	8 5—8 10	+5.83
30	P.-M.	6.3	+4.62	6 35—6 40	+4.62	23	HI.	15.8	+5.45	16 15—19 10	+5.54
July 1	P.	8.9	+3.64	8 20—8 25	+3.64	23		19.4	+5.63		
2	P.	1.1	+4.52	1 25—1 30	+4.52	23	P.	19.5	+5.72	19 30	+5.72
3		15.5	+4.58	16 5—21 0	+4.30	23		22.7	+6.57	22 42	+6.57
3		18.6	+3.96			23		7.1	+6.75	7 10—7 15	+6.75
3		21.4	+4.36			23	P.-M.	7.8	+6.22	8 10—8 15	+6.22
3		1.9	+5.79	2 10—2 15	+5.79	24	P.	7.0	+6.14	7 15—7 20	+6.14
4	HI.	20.0	+3.52	20 0	+3.52	24	P.-HI.	7.8	+6.05	8 10—8 20	+6.05
4		22.6	+4.09	22 36	+4.09	25	M.	16.2	+5.44	16 50—19 30	+5.60
4		5.9	+4.33	5 30—5 35	+4.33	25		19.8	+5.75		
4	HI.-M.	6.4	+4.28	6 50—7 0	+4.28	25	HI.-M.	20.9	+5.78	21 20—21 25	+5.78
5	HI.	16.8	+3.22	17 5—18 35	+3.34	25	HI.	21.6	+5.43	21 55—23 55	+5.51
5		18.8	+3.47			25		0.4	+5.59		
5	M.	19.5	+3.91	19 30	+3.91	25		16.1	+4.95	16 6	+4.95
5		22.3	+4.42	22 18	+4.42	26		19.5	+5.51	19 30	+5.51
5		5.8	+4.43	5 35—5 40	+4.43	26	P.	21.7	+5.30	22 10—0 25	+5.42
5	M.-HI.	6.4	+4.12	6 55—7 0	+4.12	26		0.8	+5.55		
7	HI.	19.3	+3.69	18 55—19 0	+3.69	26		7.3	+6.20	7 25—7 30	+6.20
7		20.0	+3.32	20 15—22 30	+3.59	26	P.-HI.	8.0	+5.61	8 20—8 25	+5.61
7		23.0	+3.86			27	P.	15.9	+5.64	15 54	+5.64
7		6.0	+4.00	5 45—5 50	+4.00	27		19.5	+6.38	19 30	+6.38
7	HI.-M.	6.7	+4.33	7 5—7 10	+4.33	27	HI.	23.9	+5.44	23 20—23 25	+5.44
8	HI.	15.8	+2.93	16 5—18 5	+3.16	29	M.	16.2	+5.03	16 12	+5.03
8		18.6	+3.38			29		19.8	+5.95	19 48	+5.95
8	M.	20.2	+3.74	20 20—22 50	+3.94	29	HI.	22.4	+5.37	22 35—1 10	+5.46
8		23.2	+4.15			29		1.4	+5.56		
12	HI.	20.1	+5.64	20 25—21 30	+5.84	29		7.5	+5.52	7 40—7 45	+5.52
12		22.2	+6.03			29	HI.-P.	8.3	+5.62	8 30—8 40	+5.62
16	M.	16.2	+5.69	16 50—19 35	+5.94	30	M.	16.0	+5.10	16 30—17 30	+5.28
16		19.8	+6.18			30		17.6	+5.45		
16	HI.	20.2	+5.95	20 25—22 40	+5.96	30	HI.	17.9	+4.98	17 54	+4.98
16		23.2	+5.96			30		21.1	+5.57	21 6	+5.57
17	M.	6.4	+6.72	6 35—6 40	+6.72	30	P.	21.8	+5.69	22 15—0 45	+5.69
17	M.-HI.	7.5	+6.33	7 45—7 50	+6.33	30		1.3	+5.69	1 55—2 0	+6.17
18	HI.-M.	7.5	+6.08	7 50—7 55	+6.08	30		2.3	+6.17	7 45—7 50	+5.97
19	M.	15.6	+5.39	14 50—14 55	+5.39	30	P.-M.	8.2	+5.85	8 35—8 45	+5.85
19		18.3	+5.69	16 5—17 40	+5.54	31	P.	16.3	+5.53	16 40—19 25	+5.34
20	M.	16.6	+6.01	15 50—15 55	+6.01	31		19.8	+5.16		
20		19.2	+6.34	16 5—18 40	+6.18						
21	HI.	17.3	+5.29	16 50—16 55	+5.29						
21		20.3	+5.35	17 25—19 35	+5.32						

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1907 Aug. 1	HI.	22.0	+4.83	22 10—0 25	+4.88	1907 Aug. 16	P.	8.2	+4.24	8 30—9 15	+4.21
1		1.0	+4.94			16		9.4	+4.18		
1		4.1	+5.47	3 35—3 40	+5.47						
1		7.7	+5.66	7 55—8 0	+5.66	18	P.	17.9	+3.90	17 54—.. ..	+3.90
						18		19.5	+4.49	19 30—.. ..	+4.49
1	HI.-P.	8.6	+5.20	8 45—8 50	+5.20	18	HI.	23.5	+4.23	23 45—2 5	+4.44
2	P.	22.0	+4.83	22 35—23 50	+4.82	18		2.7	+4.65		
2		23.6	+4.80			18		8.9	+3.95	8 40—8 45	+3.95
2	P.-HI.	8.4	+5.05	8 45—8 55	+5.05	18	HI.-P.	9.7	+4.37	9 50—9 55	+4.37
4	HI.	22.4	+4.28	22 35—23 30	+4.46	19	HI.	17.3	+3.22	17 18—.. ..	+3.22
4		0.1	+4.64			19		19.1	+3.85	19 6—.. ..	+3.85
5	P.	8.1	+5.10	8 15—8 20	+5.10	19	P.	9.1	+4.53	8 50—8 55	+4.53
6		16.4	+4.65	16 55—19 30	+4.76	19	P.-HI.	9.7	+4.20	9 50—10 0	+4.20
6		19.9	+4.88			20	P.	16.9	+4.28	17 30—19 55	+4.44
6	HI.	20.1	+4.33	20 20—22 50	+4.44	20		20.4	+4.61		
6		23.4	+4.54			20	HI.	23.5	+3.93	23 45—2 10	+4.06
6	HI.-P.	8.8	+5.59	9 0—9 10	+5.59	20		2.6	+4.20		
7	HI.	17.8	+4.13	18 0—20 30	+4.34	20		9.2	+4.52	8 55—9 0	+4.52
7		21.1	+4.56			20	HI.-P.	9.7	+4.64	9 55—10 0	+4.64
7	P.	22.7	+5.12	23 5—1 30	+5.21	22	P.	17.1	+3.46	17 30—19 5	+3.64
7		1.8	+5.30			22		19.5	+3.81		
7		7.6	+5.90	8 25—8 30	+5.90	22		21.6	+4.19	21 50—21 55	+4.19
7	P.-HI.	8.9	+5.36	9 5—9 15	+5.36	23	P.	9.2	+5.08	9 20—9 25	+5.08
8	P.	16.5	+4.29	16 55—19 30	+4.28	24	P.	23.7	+4.21	23 45—2 35	+4.16
8		20.1	+4.27			24		3.2	+4.12		
11	HI.	22.7	+4.72	22 55—1 15	+4.76	25	HI.	22.7	+3.69	22 42—.. ..	+3.69
11		8.5	+5.18			25		2.2	+4.29	2 12—.. ..	+4.29
11	HI.-P.	9.2	+5.45	9 20—9 30	+5.45	25	HI.	9.8	+3.78	9 35—9 40	+3.78
12	HI.	16.9	+3.62	17 10—19 55	+3.72	25	HI.-P.	8.9	+4.49	10 15—10 20	+4.49
12		20.5	+3.82			26	HI.	17.4	+3.48	17 40—20 10	+3.56
12	P.	23.2	+4.47	23 35—1 55	+4.69	26		20.8	+3.63		
12		2.3	+4.91			26	P.	0.4	+3.98	0 55—3 5	+4.21 ¹
12		8.0	+5.70	8 50—8 55	+5.42	26		3.5	+4.44		
12		9.3	+5.15			26					
13		16.7	+4.91	17 10—19 40	+4.79	28	HI.-P.	10.6	+4.00	10 20—10 30	+4.00
13		20.2	+4.67			28	M.	3.9	+4.17	3 15—3 20	+4.17
13	HI.	22.7	+4.17	23 0—1 15	+4.36	28		9.3	+3.75	9 55—10 15	+3.75
13		1.9	+4.55			29	M.-HI.	10.6	+3.52	10 25—10 30	+3.52
13	HI.-P.	9.2	+4.61	9 30—9 35	+4.61	29	M.	17.5	+3.89	17 50—20 10	+3.97
14	HI.	16.8	+4.26	17 20—18 35	+4.40	29		20.5	+4.05		
14		19.2	+4.53			29	HI.	0.6	+3.67	0 10—3 5	+3.74
14	P.	23.4	+4.76	23 45—2 5	+4.92	29		3.6	+3.81	4 5—4 10	+3.81
14		2.4	+5.09			30		17.6	+3.85	17 55—20 45	+3.94
14		8.2	+5.29	8 20—9 5	+5.27	30		21.3	+4.04		
14		9.2	+5.25			30	M.	0.8	+4.38	1 15—3 20	+4.47
14	P.-HI.	9.3	+4.89	9 35—9 40	+4.89	30		3.9	+4.56	4 55—5 0	+4.51
15	P.	14.4	+4.20	14 30—14 35	+4.20	30		5.3	+4.51		
15		16.7	+4.21	17 20—19 0	+4.42	30	M.-HI.	10.3	+4.60	10 30—10 40	+4.60
15		19.8	+4.64								

¹ Used +6".38 for α Ceti; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1907 Aug. 31 31	M.	17.6 20.7	+4.24 +4.23	17 50—20 20	+4.24	1907 Sept. 16 16	M.	18.4 21.5	+2.28 +2.52	18 40—21 5	+2.40
Sept. 4	M.-HI.	10.5	+3.90	10 50—10 55	+3.90	16	HI.	23.4 2.3	+1.93 +2.77	23 24	+1.93 +2.77
5	HI.	22.9 1.6	+3.68 +3.96	23 15—1 0	+3.82	17	HI.-P.	12.0	+4.16	11 35—11 40	+4.16
5	HI.-M.	10.7	+3.29	10 55—11 0	+3.29	20	P.	18.2 21.7 0.8	+3.20 +3.39 +3.66	18 40—21 25 21 55—0 25	+3.30 +3.52
6	HI.	17.8 20.8	+3.13 +3.71	17 48 20 48	+3.13 +3.71	20	M.-P.	11.6	+4.37	11 45—11 55	+4.37
6	M.	1.3 4.3	+3.63 +3.79	1 45—3 55	+3.71	21	M.	12.4 18.2 21.4	+3.98 +3.03 +3.17	12 30—12 35 18 40—21 10	+3.98 +3.10 ²
6	M.-HI.	10.5	+3.82	10 55—11 5	+3.82	21	P.	21.5 23.9	+3.00 +3.30	21 35—23 50	+3.15
7	M.	17.7 20.6	+3.32 +3.63	18 15—20 20	+3.48	21	HI.	0.1 3.3	+2.68 +3.20	0 6 3 18	+2.68 +3.20
8	HI.	23.9 2.2	+3.32 +3.52	0 10—1 35	+3.42	23	M.	19.0 22.0	+3.45 +3.70	19 20—21 35	+3.58
9	M.-HI.	10.9	+4.39	11 10—11 15	+4.39	24	HI.	14.0	+2.77	12 50—12 55	+2.77
10	M.	18.3 20.5	+3.71 +3.69	18 40—19 15	+3.70	24	P.	2.3 5.8	+3.49 +3.91	2 50—5 20	+3.70 ³
10	HI.	1.0 3.3	+3.58 +3.55	1 15—2 40	+3.56	24	P.-M.	11.8	+4.12	12 0—12 20	+4.12
11		18.0 21.6	+2.94 +4.35	18 0 21 36	+2.94 +4.35	25	P.	13.3 18.8 22.2	+3.69 +2.42 +4.27	12 55—13 0 18 48 22 12	+3.69 +2.42 +4.27
11	M.	1.6 4.9	+3.78 +4.11	2 10—4 25	+3.94	25	M.	3.4 6.2	+3.97 +4.80	3 24 6 12	+3.97 +4.80
12	M.-HI.	11.1	+3.31	11 15—11 20	+3.31	25	M.-HI.	11.8	+3.98	12 5—12 10	+3.98
12	M.-P.	18.0 21.2	+3.32 +3.49	18 30—20 55	+3.40	26	M.	18.7 22.0	+3.29 +3.53	19 20—21 35	+3.41
12	HI.	1.8 4.8	+3.29 +3.61	3 30—4 20	+3.45	26	HI.	2.1 5.3	+2.95 +3.51	2 6 5 18	+2.95 +3.51
12	HI.-P.	11.5	+3.41	11 20—11 50	+3.41	27	HI.-P.	12.0	+3.55	12 10—12 15	+3.55
13	HI.	16.8	+2.91	16 5—16 10	+2.91	27	HI.	19.1 22.1	+2.38 +3.08	19 6 22 6	+2.38 +3.08
13	HI.-M.	18.0 21.2	+3.14 +3.27	18 30—20 55	+3.20	27	P.	2.4 5.9	+3.28 +3.39	3 5—5 30	+3.34
13	P.	1.8 5.1	+3.32 +3.17	2 5—4 35	+3.24	29	M.	20.1 23.2 7.5 19.8 23.0	+3.59 +4.06 +4.57 +3.16 +3.84 ⁴	20 25—22 50 7 10—7 15 19 48 23 0	+3.82 +4.57 +3.16 +3.84
14	P.	12.4 17.5	+3.66 +2.30	11 50—11 55 17 5—17 10	+3.66 +2.30	30	HI.	3.5 6.7	+3.97 +4.75	3 30 6 42	+3.97 +4.75
14	P.-M.	18.2 21.3	+1.99 +3.02	18 12 21 18	+1.99 +3.02	Oct. 1	HI.-P.	12.2	+4.33	12 25—12 50	+4.33
15	HI.-P.	17.9 22.2	+2.17 +2.55	18 10—20 55	+2.36 ¹						
15	M.	1.9 4.7	+3.56 +3.26	2 25—4 15	+3.41						
15	M.-HI.	11.3	+3.23	11 30—11 35	+3.23						

¹ Used +0".22 for ϵ Lyrae; reduced with two microscopes.
² Used +1".26 for ϵ Cygni; reduced with two microscopes.

³ Used +5".96 for ϵ Leporis; reduced with two microscopes.
⁴ One micrometer reading changed from 46.395 to 46.495 rev.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1907 Oct.		h	"	h m h m	"	1907 Oct.		h	"	h m h m	"
1	HI.	14.0	+ 3.20	13 30—13 35	+ 3.20	13	M.	4.3	+ 6.47	4 40—7 0	+ 6.57
1		19.6	+ 2.90	19 36	+ 2.90	13		7.8	+ 6.67		
1		23.1	+ 3.47	23 6	+ 3.47	14		19.6	+ 5.84	19 36	+ 5.84
1						14		23.2	+ 6.36	23 12	+ 6.36
1	P.	3.2	+ 4.25	3 40—6 0	+ 4.36	14					
1		6.6	+ 4.48			14	HI.	4.2	+ 5.82	4 12	+ 5.82
1	P.-M.	12.3	+ 4.03	12 25—12 50	+ 4.03	14		7.5	+ 6.40	7 30	+ 6.40
2	P.	14.2	+ 3.56	13 35—13 40	+ 3.56	15	HI.-P.	13.1	+ 5.99	13 15—13 55	+ 5.99
2		19.5	+ 2.82	20 10—22 30	+ 3.02	15					
2		22.9	+ 3.23			15	HI.	14.3	+ 5.27	14 40—14 45	+ 5.27
2						15		19.7	+ 4.36	19 42	+ 4.36
2	M.	3.5	+ 4.09	3 50—6 15	+ 3.84	15		22.9	+ 4.84	22 54	+ 4.84
2		6.7	+ 3.59			15	P.	4.3	+ 5.52	4 18	+ 5.52
3	P.-HI.	12.4	+ 3.48	12 30—12 40	+ 3.48	15		7.8	+ 6.00	7 45	+ 6.00
3						15	P.-M.	13.1	+ 6.02	13 20—13 25	+ 6.02
3	P.	19.6	+ 2.54	19 36	+ 2.54	16	P.	13.8	+ 5.85	13 50—14 50	+ 5.63
3		22.8	+ 3.04	22 48	+ 3.04	16		15.3	+ 5.41		
4	P.	3.7	+ 3.36	4 10—6 25	+ 3.56	16		19.6	+ 4.20	19 36	+ 4.20
4		6.9	+ 3.76			16		23.0	+ 4.76	23 0	+ 4.76
4	P.-M.	12.4	+ 3.57	12 40—13 5	+ 3.57	16	M.	4.6	+ 5.66	5 0—7 25	+ 5.70
5						16		7.8	+ 5.75		
5	P.	14.3	+ 3.49	13 50—13 55	+ 3.49	16	M.-HI.	13.1	+ 5.25	13 20—14 0	+ 5.25
5		19.5	+ 3.06	19 30	+ 3.06	17		15.3	+ 4.78	14 50—14 54	+ 4.78
5		22.9	+ 3.66	22 54	+ 3.66	17	M.	19.7	+ 4.51	20 10—23 0	+ 4.54
6	M.	3.7	+ 4.21	4 20—6 35	+ 4.26	17		23.4	+ 4.58		
6		7.0	+ 4.30			17					
6	M.-P.	11.5	+ 3.33	12 45—13 15	+ 3.33	17	HI.	4.3	+ 4.63	4 18	+ 4.63
7	M.	13.8	+ 2.94 ¹	14 0—14 5	+ 2.94	17		8.1	+ 5.22	8 6	+ 5.22
8	P.-M.	13.1	+ 3.19	12 50—13 20	+ 3.19	17	HI.-P.	13.7	+ 4.45	13 25—14 5	+ 4.45
8						18	HI.	0.3	+ 5.10	23 50—23 55	+ 5.10
8	P.	14.6	+ 3.52	14 5—14 10	+ 3.52	18	P.	4.4	+ 5.28	4 24	+ 5.28
8		19.6	+ 8.68	19 36	+ 8.68	18		7.9	+ 6.62	7 54	+ 6.62
8		22.9	+ 10.48	22 54	+ 10.48	18	P.-M.	13.4	+ 6.19	13 30—13 35	+ 6.19
8	M.	4.0	+ 10.95	4 25—6 40	+ 10.89	19	P.	14.0	+ 6.07	14 5—15 5	+ 5.88
8		7.3	+ 10.83			19		14.5	+ 5.70		
8	M.-P.	12.7	+ 10.41	12 55—13 25	+ 10.41	19		21.4	+ 4.70	21 24	+ 4.70
9	M.	14.6	+ 10.00	14 10—14 15	+ 10.00	19		1.0	+ 5.91	1 0	+ 5.91
9		19.7	+ 4.96	19 42	+ 4.96	20	HI.-M.	1.3	+ 5.37	1 35—1 40	+ 5.37
9		22.8	+ 5.50	22 48	+ 5.50	20	M.	4.8	+ 6.54	5 25—7 40	+ 6.39
9	P.	4.0	+ 5.76	4 0	+ 5.76 ²	20		8.2	+ 6.24		
9		7.2	+ 6.31	7 12	+ 6.31	21	M.-HI.	13.8	+ 5.45	13 35—14 20	+ 5.45
9	P.-HI.	12.8	+ 5.49	12 55—13 30	+ 5.49	21	M.	21.7	+ 5.33	22 15—0 30	+ 5.58
10	P.	14.8	+ 5.71	14 15—14 20	+ 5.71	21		1.1	+ 5.82		
10	HI.	3.8	+ 5.01	4 5—6 45	+ 5.14	21	HI.-M.	2.3	+ 5.45	2 25—2 35	+ 5.45
10		7.3	+ 5.28			21	HI.	3.3	+ 5.65	3 35—5 45	+ 5.82
10	HI.-P.	12.8	+ 5.05	13 0—13 35	+ 5.05	21		6.7	+ 6.00		
11	HI.-P.	14.6	+ 4.36	14 20—14 25	+ 4.36	22	HI.-P.	13.9	+ 5.45	14 20—14 25	+ 5.45
12	M.	20.4	+ 4.75	20 24	+ 4.75	22	HI.	23.9	+ 5.16	0 10—2 30	+ 5.26
12		23.2	+ 5.81	23 12	+ 5.81	22		3.1	+ 5.37		
13	HI.	19.8	+ 4.91	19 48	+ 4.91	22	P.-M.	13.5	+ 6.09	13 45—13 50	+ 6.09
13		22.9	+ 5.93	22 54	+ 5.93						

¹ One micrometer reading changed from 46.132 to 46.332 rev.² Used + 8".13 for 66 Orionis; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.				Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.				Adopted Corr.
		h	"	h	m	h	m	"			h	"	h	m	h	m	"
1907 Oct. 23	P.	15.7	+5.00	15	20—15	25		+5.00	1907 Nov. 7	M.	21.8	+7.84	22	15—0	35		+7.98
23		21.5	+5.31	22	0—0	15		+5.46	7		1.0	+8.12					
23		0.8	+5.60						7	HL.	6.3	+8.14	6	40—8	10		+8.23
23	M.	5.4	+5.65	5	24 ..	..		+5.65	7		8.9	+8.32					
23		7.9	+6.40	7	54 ..	..		+6.40	8	P.	7.5	+8.47	7	45—9	15		+8.63
23	M.-HL.	13.7	+5.95	13	50—13	55		+5.95	8		9.6	+8.79					
24	M.	15.0	+5.81	14	30—15	25		+5.81	10	M.-HL.	14.7	+7.56	15	0—15	5		+7.56
24		21.4	+5.41	22	15—0	15		+5.58	11	M.	22.0	+8.19	22	0 ..	..		+8.19
24		0.7	+5.76						11		1.0	+8.90	1	0 ..	..		+8.90
24	P.	5.4	+6.39	5	5—5	10		+6.39	12	P.-M.	15.0	+7.85	15	5—15	15		+7.85
24		8.4	+6.54	5	40—8	0		+6.46	13	P.	16.5	+7.98	16	10—16	15		+7.98
24	P.-HL.	13.6	+6.82	13	50—14	0		+6.82	13		21.7	+7.77	22	15—0	40		+8.00
25	P.	14.4	+6.66	14	35—15	30		+6.46	13		1.1	+8.23					
25		15.9	+6.26						13	M.	6.8	+8.73	7	0—9	30		+8.81
25		21.6	+5.68	22	5—0	30		+5.77	13		9.9	+8.89					
25		0.8	+5.86						14	M.-HL.	15.0	+7.93	15	10—15	20		+7.93
25	HL.	2.5	+5.17	2	30 ..	..		+5.17	14	M.	16.0	+8.21	16	15—16	20		+8.21
25		5.5	+5.74	5	30 ..	..		+5.74	14		22.6	+7.89	23	15—1	25		+8.06
25	HL.-P.	5.7	+5.82	5	55—6	5		+5.82	14		2.0	+8.24					
26	HL.-M.	14.2	+5.86	13	55—14	5		+5.86	14	HL.	6.7	+8.39	7	0—9	30		+8.54
26	HL.	15.8	+5.23	15	30—15	35		+5.23	14		10.1	+8.68					
28	HL.-P.	13.9	+6.20	14	10—14	15		+6.20	15	HL.-P.	15.6	+7.92	15	15—15	25		+7.92
29	HL.	15.2	+5.71	14	55—15	45		+5.71	15	HL.	16.6	+7.31	16	20—16	25		+7.31
29		21.6	+5.40	21	36 ..	..		+5.40	15		21.9	+2.54	21	54 ..	..		+2.54
29		1.2	+6.16	1	12 ..	..		+6.16	15		1.0	+3.84	1	3 ..	..		+3.84
29	P.	5.5	+6.54	6	0—8	25		+6.76	15	P.	7.0	+4.05	7	0 ..	..		+4.05
29		9.0	+6.98	9	25—9	30		+6.98	15		10.2	+4.54	10	12 ..	..		+4.54
29	P.-M.	14.0	+6.49	14	10—15	5		+6.49	15	P.-M.	15.1	+4.35	15	20—15	25		+4.35
30	P.	15.3	+6.49						16	P.	16.8	+3.53	16	30—16	35		+3.53
30		21.8	+5.93	22	15—0	45		+5.96	16		21.7	+3.28	21	42 ..	..		+3.28
30		1.3	+6.00						16		1.1	+4.16	1	6 ..	..		+4.16
30	M.	5.8	+6.99	6	10—8	30		+7.00	17	HL.	21.8	+2.97	21	48 ..	..		+2.97
30		9.2	+7.00						17		1.2	+3.64	1	12 ..	..		+3.64
Nov. 1	HL.-P.	14.6	+6.22	14	20—14	25		+6.22	17		2.8	+3.74	2	5—2	10		+3.69
1	HL.	23.1	+5.40	23	30—23	35		+5.40	18	HL.-P.	15.3	+4.20	15	30—16	50		+4.03
3	M.-HL.	14.1	+6.37	14	30—14	40		+6.37	19		16.7	+3.86					
4	M.	21.7	+6.12	21	42 ..	..		+6.12	19		4.3	+4.65	3	50—3	55		+4.65
4		1.1	+6.64	1	6 ..	..		+6.64	24	M.	7.7	+8.32	7	0—10	35		+8.52
4	HL.	5.7	+6.28	6	5—8	30		+6.51	24		11.0	+8.71					
4		9.0	+6.74						24		15.0	+8.07	14	45—15	0		+8.07
4	HL.-P.	14.8	+6.82	14	35—14	40		+6.82	24	M.-P.	15.5	+8.16	15	55—16	5		+8.16
5	HL.	16.3	+6.09	15	30—15	35		+6.09	25	M.	16.9	+8.06	17	15—17	20		+8.06
5		21.8	+5.37	22	15—23	35		+5.60	25		22.9	+7.57	23	30—1	50		+7.74
5		0.3	+5.84						25		2.3	+7.90					
5	P.	5.6	+6.37	6	10—8	35		+6.26	25	P.	7.3	+8.31	7	0—8	30		+8.52
5		9.0	+6.15						25		9.4	+8.73					
6	P.-M.	14.9	+6.91	14	40—14	45		+6.91	25		15.1	+8.77	14	50—14	55		+8.77
									25	P.-HL.	15.8	+8.28	16	0—16	10		+8.28

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1907		h	"	h m h m	"	1907		h	"	h m h m	"
Nov. 26	P.	17.7	+ 8.04	17 20—17 25	+ 8.04	Dec. 11	HL.	8.4	+ 7.89	8 24	+ 7.89
26		1.3	+ 8.20	1 55—4 15	+ 8.32	11		11.8	+ 8.73	11 48	+ 8.73
26		4.7	+ 8.45			11		16.5	+ 7.80	16 0—16 5	+ 7.80
26						12		0.5	+ 7.11	0 30	+ 7.11
26	HL.	8.0	+ 7.99	8 20—10 40	+ 7.94	12		3.5	+ 7.74	3 30	+ 7.74
26		11.3	+ 7.89	14 50—14 55	+ 7.58	12	M.	9.3	+ 8.37	9 0—9 5	+ 8.37
26		15.4	+ 7.58			12		12.4	+ 8.47	9 35—12 0	+ 8.42
26	HL-M.	16.0	+ 7.53	16 5—16 15	+ 7.53	18	P.	0.3	+ 8.83	0 18	+ 8.83
27	HL.	17.7	+ 7.19	17 30—17 35	+ 7.19	18		3.3	+ 9.39	3 18	+ 9.39
27		21.6	+ 7.01	22 5—22 35	+ 7.17	18		5.1	+ 9.16	4 10—5 0	+ 9.28
27		0.6	+ 7.33			18	P.-M.	5.5	+ 8.97	5 30	+ 8.97
27	M.	10.6	+ 8.00	10 45—10 50	+ 8.00	18	M.	9.5	+ 9.61	9 30	+ 9.61
29	HL.	22.9	+ 7.37	22 54	+ 7.37	19		0.2	+ 8.25	0 12	+ 8.25
29		2.2	+ 7.98	2 12	+ 7.98	19		3.8	+ 9.03	3 48	+ 9.03
29	P.	7.9	+ 8.80	8 25—10 50	+ 9.02	19	HL-M.	5.9	+ 8.67	6 5—6 15	+ 8.67
29		11.3	+ 9.24	12 20—12 25	+ 9.27	19	HL.	6.4	+ 8.88	6 24	+ 8.88
29		12.7	+ 9.27			19		9.8	+ 9.62	9 48	+ 9.62
29		15.2	+ 8.93	15 0—15 5	+ 8.93	19	HL-P.	18.0	+ 8.40	17 45—17 55	+ 8.40
29	P.-M.	16.2	+ 8.80	16 20—16 25	+ 8.80	20	HL.	0.6	+ 8.11	0 50—1 5	+ 8.30
30	P.	18.0	+ 8.44	17 45—17 50	+ 8.44	20		2.0	+ 8.50		
30		23.0	+ 7.79	23 0	+ 7.79	20	P.-HL.	7.3	+ 8.31	7 5—7 10	+ 8.31
30		1.3	+ 8.32	1 18	+ 8.32	20	P.	7.4	+ 8.83	7 45—12 30	+ 8.84
Dec. 1	M.	15.3	+ 8.65	15 5—15 10	+ 8.65	20		10.7	+ 8.69		
1	M.-HL.	16.0	+ 8.20	16 25—16 35	+ 8.20	20		12.8	+ 9.01		
2	M.	18.3	+ 8.52	17 55—18 0	+ 8.52	20	P.-M.	17.6	+ 8.82	17 50—18 0	+ 8.82
2		23.0	+ 8.11	23 30—1 35	+ 8.06	21	P.	18.9	+ 8.37	19 40—19 45	+ 8.37
2		2.0	+ 8.00			21		0.0	+ 8.11	0 0	+ 8.11
4	M.	8.5	+ 8.41	8 45—11 15	+ 8.44	21		3.4	+ 8.78	3 24	+ 8.78
4		11.8	+ 8.46			21	HL.	7.7	+ 8.95	7 0—7 5	+ 8.95
4		15.7	+ 8.93	15 20—15 25	+ 8.93	21		10.8	+ 8.88	8 0—10 5	+ 8.92
4	M.-HL.	16.3	+ 8.41	16 40—16 45	+ 8.41	23	M.	0.4	+ 7.16	0 24	+ 7.16
5	M.	18.6	+ 8.16	18 10—18 15	+ 8.16	23		3.6	+ 7.97	3 36	+ 7.97
5	HL.	15.7	+ 7.81	15 25—15 30	+ 7.81	23	HL.	10.4	+ 8.29	9 40—9 45	+ 8.29
5	HL-P.	16.5	+ 8.01	16 45—16 50	+ 8.01	23	HL-P.	17.9	+ 8.35	18 5—18 10	+ 8.35
6	HL.	18.6	+ 6.91	18 15—18 20	+ 6.91	24	P.	7.7	+ 10.32	7 42	+ 10.32
6		23.8	+ 7.08	23 25—2 35	+ 7.16	24		11.0	+ 11.62	11 0	+ 11.62
6		2.8	+ 7.24			24		13.4	+ 11.28	10 25—12 50	+ 11.45
6	P.	8.3	+ 7.79	8 45—11 15	+ 8.03	25	M.	10.2	+ 8.87	10 25—12 55	+ 9.00
6		11.7	+ 8.27			25		13.5	+ 9.12		
6		15.8	+ 8.08	15 30—15 35	+ 8.08	25	M.-HL.	17.9	+ 9.65	18 15—18 20	+ 9.65
6	P.-M.	16.5	+ 8.18	16 50—16 55	+ 8.18	27	P.	10.2	+ 8.78	10 30—12 55	+ 8.74
7	P.	18.6	+ 7.67	18 20—18 25	+ 7.67	27		13.4	+ 8.69		
7		23.7	+ 6.22	0 15—2 40	+ 6.14	30	M.-P.	18.3	+ 9.96	18 35—18 40	+ 9.96
7		3.1	+ 6.07			31	M.	0.2	+ 8.95	0 40—3 0	+ 9.12
8	M.	8.8	+ 7.54	9 15—10 45	+ 7.59	31		3.3	+ 9.28		
8		11.3	+ 7.64			1908					
10	HL.	22.8	+ 6.57	22 20—22 25	+ 6.57	Jan. 1	M.-HL.	18.5	+ 9.90	18 45—18 50	+ 9.90
11	M.	0.2	+ 8.78	0 12	+ 8.78	2	M.	0.2	+ 9.68	0 40—3 0	+ 9.74
11		3.6	+ 10.32	3 36	+ 10.32	2		3.4	+ 9.80		

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1908 Jan.		h	"	h m h m	"	1908 Jan.		h	"	h m h m	"
2	P.	18.6	+ 9.72	18 20—18 25	+ 9.72	16	P.-M.	19.7	+ 8.91	19 50—19 55	+ 8.91
3		21.2	+ 9.83	20 45—20 50	+ 9.83	17		2.6	+ 8.46	2 36	+ 8.46
3		0.5	+ 9.08	1 5—3 40	+ 9.32	17		5.8	+ 9.04	5 48	+ 9.04
3		3.9	+ 9.57								
5	M.	10.5	+ 9.41	10 30	+ 9.41	17	M.-P.	6.5	+ 8.76	5 30	+ 8.76
5		13.8	+10.19	13 48	+10.19	17		9.2	+ 9.33	9 12	+ 9.33
5	M.-Hl.	18.7	+10.61	19 0—19 10	+10.61	18		2.7	+ 9.13	3 10—5 35	+ 9.12
6	M.	21.3	+ 9.95	21 0—21 5	+ 9.95	18	P.-M.	6.4	+ 8.68	5 24	+ 8.68
6		0.5	+ 9.60	1 5—3 20	+ 9.68	18		9.2	+ 9.27	9 12	+ 9.27
6		3.7	+ 9.75								
7	P.	10.4	+10.46	10 24	+10.46	19	Hl.	9.8	+ 9.37	9 20—9 25	+ 9.37
7		13.2	+11.33	13 12	+11.33	19		13.1	+ 9.43	10 10—12 15	+ 9.40
8	M.	10.8	+10.28	11 5—13 30	+10.52	19	Hl.-P.	20.2	+ 9.04	20 0—20 10	+ 9.04
8		13.9	+10.75			20	Hl.	1.3	+ 7.35	1 45—3 10	+ 7.59
8	M.-Hl.	18.8	+10.04	19 15—19 20	+10.04	20		4.6	+ 7.83		
9	M.	21.0	+ 9.77	21 15—21 20	+ 9.77	20	M.-P.	19.8	+ 9.42	20 5—20 15	+ 9.42
9		0.4	+ 9.29	0 24	+ 9.29	21	P.	10.5	+ 8.52	11 0—13 35	+ 8.50
9		3.9	+11.02	3 54	+11.02	21		13.8	+ 8.47		
9	P.	10.4	+13.12	11 0—13 25	+12.90	21	P.-M.	20.0	+ 8.86	20 10—20 20	+ 8.86
9		13.9	+12.68			22	P.	20.8	+ 8.83	20 35—20 40	+ 8.83
9	P.-M.	18.9	+10.23	19 20—19 25	+10.23	22		2.6	+ 8.59	3 10—5 0	+ 8.84
10						22		5.5	+ 9.09		
10	P.	21.6	+ 9.56	21 20—21 25	+ 9.56	22	M.	10.7	+ 9.08	11 0—11 50	+ 9.14
10		1.3	+ 9.44	1 5—4 0	+ 9.62	22		13.3	+ 9.20		
10		4.3	+ 9.79								
10	M.	11.2	+10.41	11 12	+10.41	24	P.	22.9	+ 8.05	22 30—22 35	+ 8.05
10		14.6	+11.30	14 36	+11.30	24	Hl.	2.9	+ 8.44	2 35—5 35	+ 8.24
10	M.-P.	19.1	+10.66	19 25—19 30	+10.66	24		5.9	+ 8.04		
12	P.	0.7	+ 9.28	1 35—3 20	+ 9.30	24	P.	6.0	+ 8.46	6 5—8 50	+ 8.35
12		3.7	+ 9.31	3 42	+ 9.31	24		9.2	+ 8.24		
12		6.5	+10.58	6 30	+10.58						
13	P.-M.	19.5	+10.55	19 35—19 45	+10.55	25	Hl.	2.8	+ 7.39	3 5—5 35	+ 7.52
						25		5.8	+ 7.66		
14	P.	21.9	+ 9.65	21 40—21 45	+ 9.65	25	M.	6.0	+ 8.08	6 5—8 50	+ 8.20
14		0.6	+ 9.61	0 36	+ 9.61	25		9.2	+ 8.33		
14		3.4	+10.52	3 24	+10.52						
14		6.1	+10.80	3 30—5 50	+10.66	25	P.	10.7	+ 8.23	11 0—13 35	+ 8.30
14	M.	10.7	+12.38	10 42	+12.38	25		13.9	+ 8.38	14 10—14 15	+ 8.38
14		14.1	+13.04	14 6	+13.04	26	P.	15.3	+ 8.51	15 0—15 5	+ 8.51
14	M.-P.	19.4	+10.42	19 40—19 50	+10.42	27		21.4	+ 8.63	21 10—22 45	+ 8.62
15	M.	21.2	+ 8.12	21 45—21 50	+ 8.12	27		23.1	+ 8.60		
15		1.0	+ 8.17	1 25—3 45	+ 8.20	27		3.1	+ 8.52	3 6	+ 8.52 ¹
15		3.9	+ 8.23			27		6.4	+ 9.09	6 24	+ 9.09
15						27		8.7	+ 9.19	8 5—8 10	+ 9.14
15	Hl.	4.1	+ 7.66	4 6	+ 7.66	27	M.-P.	20.3	+ 9.76	20 35—20 45	+ 9.76
15		7.6	+ 8.37	7 36	+ 8.37	29	P.-M.	21.0	+ 9.14	20 40—20 45	+ 9.14
16		4.1	+ 8.70	4 25—7 0	+ 8.90						
16		7.3	+ 9.10			29	P.	23.1	+ 9.01	22 50—22 55	+ 9.01
16	P.	7.4	+ 9.20	7 30—10 5	+ 9.14	29		3.4	+ 9.07	3 35—6 5	+ 8.87
16		10.4	+ 9.07			29		6.5	+ 8.67	6 55—7 0	+ 8.65
						29		7.3	+ 8.63		

¹ Used +10''.00 for 130 Tauri; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1908		h	"	h m h m	"	1908		h	"	h m h m	"
Jan. 30	M.	2.9	+ 8.13	2 54	+ 8.13	Feb. 21	P.	12.0	+ 9.18	12 25—13 25	+ 9.20
30		6.5	+ 8.68	6 30	+ 8.68	21		14.0	+ 9.23	14 25—16 15	+ 9.21
31	P.	21.9	+ 8.18	21 54	+ 8.18	21		16.6	+ 9.19		
31		23.4	+ 8.63	23 24	+ 8.63	24	M.	1.0	+ 8.46	0 45—0 50	+ 8.46
Feb. 1	P.	3.2	+ 9.08	3 12	+ 9.08	24		6.4	+ 8.37	8 30—9 5	+ 8.56
1		5.0	+ 9.89	5 57	+ 9.89	24		9.4	+ 8.75		
3	P.	3.0	+ 9.15	3 35—7 25	+ 9.13	24	HI.	14.0	+ 8.52	14 20—16 40	+ 8.65
3		4.6	+ 9.14			24		17.6	+ 8.78		
3		7.7	+ 9.11			26	P.	6.7	+ 8.58	6 42	+ 8.58
4	P.	3.4	+ 8.38	3 35—4 25	+ 8.47	26		9.2	+ 9.16	9 12	+ 9.16
4		4.9	+ 8.56	5 20—7 25	+ 8.74	26	M.	13.8	+ 9.73	14 10—15 35	+ 9.76
4		7.7	+ 8.91			26		16.1	+ 9.79		
6	P.	1.5	+ 9.48	1 15—1 20	+ 9.48	26	M.-HI.	22.3	+ 6.52	22 35—22 40	+ 6.52
6		3.2	+ 9.74	3 35—4 20	+ 9.72	27	HI.-P.	22.6	+ 5.84	22 40—22 45	+ 5.84
6		4.5	+ 9.69	5 20—6 5	+ 9.84	28	HI.	1.6	+ 5.55	1 0—1 5	+ 5.55
6		6.6	+10.00			28		6.3	+ 5.68	6 50—8 25	+ 5.82
7	P.	2.4	+ 9.70	2 5—2 10	+ 9.70	28		9.2	+ 5.97		
7		5.0	+ 9.71	5 30—6 20	+ 9.82	28	P.-M.	22.5	+ 6.02	22 40—22 50	+ 6.02
7		6.4	+ 9.92	6 55—9 5	+10.00	29	P.	1.4	+ 5.79	1 5—1 10	+ 5.79
7		9.4	+10.07			Mar. 2	HI.	12.5	+ 7.06	12 30	+ 7.06
8	P.	3.2	+ 8.75	2 55—3 0	+ 8.75	2		15.7	+ 8.07	15 42	+ 8.07
8		11.9	+10.63	11 54	+10.63	2	HI.-P.	22.8	+ 7.03	22 55—23 0	+ 7.03
8		15.3	+12.01	15 18	+12.01	3	HI.	1.9	+ 6.50	1 20—1 25	+ 6.50
9	HI.	4.7	+ 7.99	3 50—3 55	+ 7.99	3		6.4	+ 6.68	6 55—9 5	+ 6.82
9		6.7	+ 8.35	5 30—6 20	+ 8.17	3		9.6	+ 6.97		
10	M.-HI.	21.8	+ 8.41	10 50—6 55	+ 8.35	3	P.	12.3	+ 7.39	12 18	+ 7.39
10				21 30—21 35	+ 8.41	3		15.6	+ 7.99	15 36	+ 7.99
10	M.	0.2	+ 8.24	23 45—23 50	+ 8.24	3	P.-M.	22.8	+ 6.93	22 55—23 5	+ 6.93
12	P.	5.0	+ 9.11	5 30—6 30	+ 9.12	4	P.	1.2	+ 6.97	1 25—1 30	+ 6.97
12		6.7	+ 9.14			4		7.9	+ 6.58	8 30—10 40	+ 6.67
16	M.	10.1	+10.31	10 6	+10.31	4		11.0	+ 6.76		
16		12.7	+11.11	12 42	+11.11	4	M.	12.4	+ 6.83	12 24	+ 6.83
16	M.-HI.	21.5	+ 9.26	21 55—22 5	+ 9.26	4		15.8	+ 7.56	15 48	+ 7.56
17	M.	5.6	+ 9.35	5 55—6 50	+ 9.54	7	P.-M.	23.4	+11.25	23 10—23 15	+11.25
17		7.6	+ 9.73			7	P.	1.9	+ 9.77	1 35—1 40	+ 9.77
17	HI.	10.0	+ 9.38	10 0	+ 9.38	7		3.7	+ 9.76	3 25—3 30	+ 9.76
17		13.5	+10.96	13 30	+10.96	7		8.0	+ 9.29	7 57	+ 9.29
17	HI.-P.	21.9	+ 9.20	22 0—22 5	+ 9.20	7		11.0	+ 9.77	11 0	+ 9.77
19	P.	5.0	+ 8.99	5 30—6 20	+ 9.18	9	M.	8.3	+ 9.46	8 18	+ 9.46
19		6.7	+ 9.37	5 50—7 40	+ 9.45	9		11.6	+11.36	11 36	+11.36
19		8.4	+ 9.53	8 30—8 35	+ 9.53	9	HI.	13.5	+10.06	13 30	+10.06
20	M.-P.	22.3	+ 9.43	22 5—22 15	+ 9.43	9		17.0	+10.76	17 0	+10.76
20	M.	0.8	+ 9.15	0 30—0 35	+ 9.15	9	HI.-P.	23.1	+ 9.16	23 20—23 25	+ 9.16
20		6.4	+ 9.47	6 24	+ 9.47	10		6.4	+ 8.87	6 5—6 15	+ 8.87
20		9.5	+10.13	9 30	+10.13	10	HI.	6.6	+ 8.20	7 10—9 30	+ 8.44
20	HI.	12.2	+10.40	12 12	+10.40	10		10.1	+ 8.69		
20		15.5	+11.01	15 30	+11.01	10	P.	13.5	+ 9.07	13 50—16 20	+ 9.14
21	HI.-P.	22.4	+ 8.69	22 10—22 20	+ 8.69	10		16.6	+ 9.22		
21	HI.	6.5	+ 8.42	6 50—8 15	+ 8.58						
21		9.4	+ 8.73								

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1908 Mar. 10	P.-M.	^h 23.1	" + 8.68	^h ^m ^h ^m 23 20—23 30	" + 8.68	1908 Mar. 26	M.	^h 10.0 12.9	" +5.71 +6.09	^h ^m ^h ^m 10 20—12 25	" +5.90
11	P.	2.1	+ 5.03	1 55—2 0	+ 5.03	26	Fk.-P.	0.0	+5.83	0 20—0 30	+5.83
11		6.6	+ 7.27	7 0—7 5	+ 7.27	27	Fk.	3.4	+4.51	3 5—3 10	+4.51
11	HI.-M.	23.3	+ 8.74	23 25—23 35	+ 8.74	27	M.	8.1	+5.09	8 25—10 20	+5.24
12	HI.	1.9	+ 8.19	2 0—2 5	+ 8.19	27		10.7	+5.40		
12		8.2	+ 8.74	7 50—7 55	+ 8.74	27	Fk.	11.2	+5.00	11 55—13 50	+5.06
12		8.7	+ 8.49	8 25—8 30	+ 8.62	27		14.3	+5.11		
12		11.7	+ 8.50	8 50—11 15	+ 8.50	27	P.	14.7	+5.52	14 50—17 15	+5.70
12	M.	11.9	+ 8.38	12 0—14 10	+ 8.45	27		17.6	+5.89		
12		14.6	+ 8.52			27	M.-Fk.	0.5	+8.85	0 45—0 50	+8.85
13		7.8	+ 6.99	7 48	+ 6.99	3	Fk.	11.7	+7.51	12 0—13 50	+7.58 ¹
13		11.0	+ 7.45	11 0	+ 7.45	3		14.2	+7.65		
13	P.	14.5	+ 8.12	15 5—17 10	+ 8.16	3	P.	14.2	+7.70	14 15	+7.70
13		17.4	+ 8.20			3		17.1	+8.46	17 6	+8.46
13		22.4	+ 8.85	22 10—22 15	+ 8.85	3	P.-M.	0.6	+8.79	0 50—0 55	+8.79
13	P.-HI.	23.4	+ 8.56	23 35—23 40	+ 8.56	4	P.	4.1	+7.97	3 40—3 45	+7.97
14	P.	2.3	+ 8.14	2 10—2 15	+ 8.14	4		11.7	+8.39	12 10—14 30	+8.20
14		8.2	+ 8.28	8 25—11 15	+ 8.23	4		14.7	+8.00		
14		11.6	+ 8.18			5	M.-Fk.	0.8	+8.44	0 55—1 5	+8.44
15	HI.	9.6	+ 7.36	10 0—12 25	+ 7.54	6	M.	4.1	+8.15	3 50—3 55	+8.15
15		12.9	+ 7.73			6	Fk.	14.7	+7.10	14 50—17 15	+7.34
15	M.-HI.	23.4	+ 8.69	23 40—23 50	+ 8.69	6		17.5	+7.58		
16	M.	1.8	+ 8.32	2 15—2 20	+ 8.32	6	Fk.-P.	0.8	+7.73	1 0—1 10	+7.73
17	P.	11.4	+6.77	12 0—12 5	+6.77	7	Fk.	4.4	+6.60	3 55—4 0	+6.60
20	P.	14.3	+6.21	14 18	+6.21	7		6.3	+6.09	0 40—6 45	+6.09
20		17.6	+7.99	17 36	+7.99	7	M.-Fk.	0.8	+7.63	1 10—1 15	+7.63
20		22.6	+6.17	22 20—22 25	+6.17	9	M.	4.4	+6.97	4 5—4 10	+6.97
20	P.-M.	23.5	+6.22	0 0—0 5	+6.22	9		8.0	+6.92	8 25—8 30	+7.12
21	P.	2.6	+4.79	2 40—2 45	+4.79	9		11.4	+7.32		
21		8.0	+4.83	8 30—9 45	+4.83	9	Fk.	15.6	+8.15	15 50—17 10	+8.33
21		10.9	+7.67	0 45—10 40	+7.67	9		18.2	+8.51		
21	Fk.	13.2	+7.73	13 50—16 20	+7.98	10	P.	0.2	+8.10	23 55—0 0	+8.10
21		17.0	+8.22			10	P.-M.	1.1	+7.89	1 15—1 25	+7.89
24	Fk.-P.	0.4	+7.78	0 10—0 15	+7.78	11	P.	4.1	+8.05	4 15—4 20	+8.05
24	Fk.	8.5	+7.95	0 20—11 15	+7.88	11		9.8	+8.26	10 5—12 25	+8.08
24		11.9	+7.81			11		12.6	+7.91		
24	P.	14.4	+8.16	14 50—17 10	+8.32	12	Fk.	10.1	+7.87	10 20—12 25	+7.84
24		17.4	+8.47			12		11.8	+7.81		
24	P.-Fk.	18.4	+8.80	18 15—18 20	+8.80	12	M.	0.4	+7.37	0 5—0 10	+7.37
24	P.-HI.	0.4	+8.63	0 15—0 20	+8.63	12	M.-Fk.	1.2	+7.14	1 25—1 30	+7.14
25	P.	8.7	+8.10	8 20—8 25	+8.10	13	M.	4.2	+7.99	4 20—4 25	+7.99
25		11.9	+8.14	9 25—11 35	+8.12	13		8.2	+8.21	8 12	+8.21
				12 10—15 15	+8.14	13		11.3	+8.81	11 18	+8.81
25	M.	14.5	+8.18	14 50—17 10	+8.37						
25		17.6	+8.56								
25		22.9	+8.86	22 40—22 45	+8.86						
25	M.-Fk.	0.0	+8.27	0 15—0 25	+8.27						

¹ Used +6".16 for 43 H. Cephei s. p.; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1908		h	"	h m h m	"	1908		h	"	h m h m	"
Apr. 13	Fk.	15.7	+8.05	15 42	+8.05	May 1	Fk.	15.2	-3.67	15 35—17 40	-3.60
13		18.7	+8.59	18 42	+8.59	1		18.6	-3.53		
14	Fk.-P.	1.0	+8.83	1 25—1 35	+8.83	1	Fk.-M.	2.4	-2.80	2 35—2 40	-2.80
14	Fk.	4.8	+8.33	4 25—4 30	+8.33	2	Fk.	11.6	-4.01	11 36	-4.01 ¹
15	M.-Fk.	1.4	+6.97	1 35—1 40	+6.97	2		15.0	-4.69	15 0	-4.69
16	M.	4.8	+7.19	4 35—4 40	+7.19	9	Fk.	11.1	-4.76	10 35—10 40	-4.76
16		8.8	+6.91	8 48	+6.91	10	P.	11.1	-5.20	11 20—11 25	-5.21
16		11.2	+7.65	11 12	+7.65	10		11.8	-5.22	12 10—14 35	-5.28
16		13.7	+7.35	12 10—13 30	+7.50	10		14.8	-5.33		
16	Fk.	15.6	+8.07	15 36	+8.07	10	M.	15.2	-5.18	15 35—18 5	-5.24
16		18.9	+8.68	18 54	+8.68	10		18.6	-5.30		
16		1.2	+7.89	0 30—0 35	+7.89	10	M.-P.	2.9	-4.18	3 10—3 15	-4.18
16	Fk.-P.	1.3	+7.97	1 40—1 45	+7.97	11	M.	6.7	-4.10	6 20—6 25	-4.10
17	Fk.	5.0	+7.41	4 40—4 45	+7.41	11		11.5	-3.53	12 10—14 40	-3.52
17	M.	8.8	+7.23	8 48	+7.23	11		14.9	-3.51		
17		11.1	+6.53	11 6	+6.53	11	P.-Fk.	3.1	-1.84	3 15—3 20	-1.84
17	Fk.	15.3	+7.30	15 0—15 5	+7.30	12	P.	3.9	-1.68	3 35—3 40	-1.68
17	P.	15.7	+7.33	15 42	+7.33	12		6.8	-1.52	6 25—6 30	-1.52
17		18.0	+8.14	18 0	+8.14	12		13.2	-2.09	12 55—13 0	-2.09
19	M.	15.4	+8.29	15 50—18 5	+8.26	12		16.2	-1.79	13 20—15 45	-1.94
19		18.5	+8.22			12	Fk.-M.	3.2	-2.60	3 15—3 25	-2.60
19		1.1	+8.55	0 50—0 55	+8.55	13	Fk.	6.8	-2.34	6 30—6 35	-2.34
19	M.-P.	1.6	+8.20	1 50—1 55	+8.20	13	M.-P.	3.2	-1.85	3 20—3 30	-1.85
20	M.	5.2	+7.11	4 55—5 0	+7.11	17	P.	11.7	-1.84	11 42	-1.84
20		11.6	+7.54	12 10—14 50	+7.60	17		15.0	-2.48	15 0	-2.48
20		15.4	+7.67			17	M.	16.3	-2.61	16 18	-2.61
20	P.	15.7	+7.94	15 42	+7.94	17		19.8	-3.08	19 48	-3.08
20		18.5	+8.86	18 30	+8.86	17	M.-P.	3.4	-4.26	3 35—3 45	-4.26
20		1.1	+9.05	0 55—1 0	+9.05	18	M.	5.7	-2.70	4 30—4 35	-2.70
20	P.-Fk.	1.8	+9.05	1 55—2 0	+9.05	18		11.8	-2.55	12 10—13 40	-2.42
21	P.	5.0	+8.83	5 0—5 5	+8.83	18		14.3	-2.30		
21		11.6	+9.11	12 10—13 5	+9.12	19	Fk.-M.	3.6	-2.73	3 45—3 50	-2.73
21		13.5	+9.12	14 5—14 50	+9.08	20	Fk.	11.8	-2.25	12 10—14 35	-2.37
21		15.2	+9.03			20		15.2	-2.49		
21	Fk.	15.4	+8.62	16 5—18 5	+8.46	21	P.-Fk.	3.8	-1.92	3 50—4 0	-1.92
21		18.8	+8.31			22	P.	5.4	-1.29	5 5—5 10	-1.29
21		1.6	+7.52	1 0—1 5	+7.52	22		11.6	-0.89	11 39	-0.89
21	Fk.-M.	1.7	+7.70	1 55—2 5	+7.70	22		14.2	-1.48	14 12	-1.48
22	Fk.	4.8	+6.71	5 0—5 5	+6.71	23	M.	11.6	-1.30	12 10—14 40	-1.52
22		11.8	+6.09	12 10—13 25	+6.19	23		14.9	-1.73		
22		14.0	+6.29	14 20—15 10	+6.24	23	P.	16.4	-1.39	16 24	-1.39
22		15.7	+6.19			23		19.8	-1.95	19 45	-1.95
Instrument reversed to Clamp West.						24	M.	16.4	-0.82	16 55—19 25	-1.06
30	P.	16.8	-2.95	17 10—18 50	-3.16	24		19.8	-1.31		
30		19.2	-3.37			24	M.-P.	3.9	-0.86	4 5—4 10	-0.86
May 1	P.-Fk.	2.8	-3.32	2 30—2 35	-3.32						
1	P.	11.7	-3.27	12 10—14 15	-3.42						
1		14.6	-3.58								

¹ Used -0".72 for γ Hydra; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1908 May 25	M.	6.4	-0.67	5 25— 5 30	-0.67	1908 June 7	M.	17.3	-1.32	17 50—20 20	-1.55
25		11.9	-0.24	12 20—14 50	-0.16	7		20.7	-1.78		
25		15.2	-0.08			7	M.-P.	4.8	-0.95	5 0— 5 10	-0.95
25	P.	17.0	+0.42	17 0	+0.42	8	M.	7.3	-0.58	6 50— 7 35	-0.58
25		20.3	-0.10	20 18	-0.10	8		13.3	-0.09	12 35—16 15	-0.10
25	P.-Fk.	3.9	0.00	4 10— 4 15	0.00	8		16.5	-0.11		
26	P.	5.8	+0.53	5 35— 5 40	+0.53	8	P.	17.5	+0.28	17 30	+0.28
26		7.5	+0.96	7 5— 7 10	+0.96	8		20.8	-0.82	20 51	-0.82
26	Fk.	17.3	+0.53	17 30—19 55	+0.53	9		6.8	-0.06	6 48	-0.06
26		20.4	+0.53			9		7.7	+0.37	7 42	+0.37
26	Fk.-M.	3.8	-0.11	4 15— 4 20	-0.11	9		13.6	+0.51	13 39	+0.51
27	Fk.	6.4	+0.07	5 40— 7 15	+0.07	9		14.7	-0.01	14 42	-0.01
27		12.5	+0.68	12 40—15 10	+0.54	10	Fk.-M.	5.5	-1.72	5 10— 5 15	-1.72
27		15.5	+0.39			10	Fk.	7.9	-1.71	7 30— 7 35	-1.71
27	M.	17.1	+0.94	17 30—19 55	+0.74	11	M.	14.2	-2.25	14 35—15 40	-2.38
27		20.3	+0.53			11		16.2	-2.52		
27	M.-P.	4.0	+0.51	4 15— 4 25	+0.51	11	P.	17.4	-1.90	17 24	-1.90
28	M.	6.3	+1.02	5 50— 7 20	+1.02	11		20.9	-2.72	20 54	-2.72
28		12.3	+1.70	12 50—15 10	+1.58	11	P.-Fk.	5.2	-2.17	5 20— 5 25	-2.17
28		15.4	+1.47			12	P.	7.2	-2.07	7 0— 7 5	-2.07
28	P.	17.0	+2.00	17 0	+2.00	12		7.8	-1.75	7 30— 7 35	-1.91
28		20.0	+1.06	20 0	+1.06	12		13.4	-1.10	13 24	-1.10
31	Fk.-P.	4.3	-0.54	4 35— 4 40	-0.54	12		16.7	-1.68	16 42	-1.68
June 1	Fk.	7.0	-1.02	6 15— 7 25	-1.02	12	Fk.	17.6	-1.13	17 36	-1.13
1						12		21.1	-1.87	21 6	-1.87
1	P.	17.4	-2.29	17 21	-2.29	12	Fk.-M.	5.1	-1.93	5 25— 5 30	-1.93
1		20.7	-2.97	20 42	-2.97	13	Fk.	8.0	-1.30	7 30— 7 35	-1.30
1	P.-Fk.	4.6	-1.62	4 35— 4 45	-1.62	13		14.2	-1.20	14 35—17 10	-1.14
2	P.	6.2	-1.26	6 20— 6 25	-1.26	13		17.4	-1.09		
2		7.6	-1.08	7 20— 7 25	-1.08	13	P.	17.6	-0.83	18 0—20 30	-1.06
2		12.6	-0.75	12 36	-0.75	13		20.9	-1.30		
2		16.0	-1.25	16 0	-1.25	14		14.3	-0.22	14 45—16 55	-0.38
2	Fk.	17.3	-1.31	17 50—20 20	-1.52	14		17.4	-0.54		
2		20.8	-1.72			14	M.-P.	18.6	-0.58	18 10—18 15	-0.58
4	M.	13.0	-1.82	13 10—15 45	-1.82	15	P.	18.4	-0.61	18 27	-0.61
4		16.2	-1.81			15		21.4	-2.79	21 27	-2.79
4	P.	18.4	-1.59	18 45—19 40	-1.70	15	P.-Fk.	5.4	-2.21	5 35— 5 40	-2.21
4		20.2	-1.82			16	P.	7.4	-2.08	7 10— 7 35	-2.08
4	P.-Fk.	4.7	-1.80	4 50— 4 55	-1.80	16		14.1	-1.89	14 35—17 0	-2.03
5	P.	6.4	-1.60	6 35— 6 40	-1.60	16		17.2	-2.17		
5		7.6	-1.25	7 30— 7 35	-1.25	16	Fk.	18.5	-2.24	18 30	-2.24
5		10.6	-1.46	10 15—10 20	-1.46	16		21.6	-2.83	21 36	-2.83
5		12.7	-1.16	13 15—15 45	-1.31	16	Fk.-M.	5.3	-2.61	5 40— 5 45	-2.61
5		16.1	-1.46			17	Fk.	14.4	-2.48	14 35—15 35	-2.70
5	Fk.	17.3	-1.71	17 50—19 35	-1.80	17		16.5	-2.91		
5		20.2	-1.88			17	M.-P.	5.5	-2.45	5 45— 5 50	-2.45
6		12.9	-1.93	13 20—15 45	-1.81	18	M.	14.1	-1.85	14 35—17 0	-1.92
6		16.2	-1.69			18		17.3	-2.00		
7	P.	11.4	-1.01	11 50—11 55	-1.01						
7		12.9	-0.80	12 54	-0.80						
7		16.2	-1.57	16 15	-1.57						

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1908 June 18	P.	h 18.5	" -1.65	h m h m 19 0—21 10	" -1.90	1908 July 7	P.	h 13.4	" -1.67	h m h m 13 50—13 55	" -1.67
18		21.6	-2.14	22 30—22 35	-2.08	8	Fk.-M.	6.9	-2.49	7 5—7 15	-2.49
18		22.8	-2.03			8	Fk.	15.2	-4.11	15 12	-4.11
18	P.-Fk.	5.7	-1.40	5 45—5 55	-1.40	8	M.	18.3	-3.57	18 18	-3.57
19	P.	7.7	-1.17	7 30—7 35	-1.17	8	M.	19.5	-3.41	19 30	-3.41
19		14.0	+0.13	14 0	+0.13	8		22.8	-4.34	22 48	-4.34
19		16.8	-0.51	16 45	-0.51	8	M.-P.	7.0	-4.18	7 10—7 20	-4.18
20	Fk.	15.2	+3.19	15 20—17 35	+3.04	9	M.	15.0	-4.77	15 35—17 10	-4.84
20		17.8	+2.90			9		17.6	-4.90		
20	P.	17.9	+3.27	18 0—18 5	+3.15	9	P.-Fk.	7.2	-4.33	7 15—7 20	-4.33
20		18.4	+3.03	18 55—21 10	+2.84 ¹	10	P.	15.4	-4.26	15 50—17 0	-4.23
20		21.6	+2.66			10		17.6	-4.20	17 45—19 0	-4.13
20		0.7	+2.47	0 15—0 20	+2.47	10	Fk.	19.6	-4.06	20 10—22 40	-4.06
21	M.-Fk.	5.9	+2.25	6 0—6 5	+2.25	10		23.1	-4.06		
22	Fk.	18.9	+2.71	19 5—21 35	+2.49	10	Fk.-M.	7.2	-3.18	7 20—7 25	-3.18
22		22.0	+2.27			11	Fk.	15.8	-3.51	16 0—18 5	-3.26
22		1.9	+2.48	2 0—2 5	+2.48	11		18.4	-3.02		
22	Fk.-M.	5.8	+3.14	6 5—6 10	+3.14	12	M.-P.	7.3	-2.62	7 25—7 35	-2.62
23	Fk.	14.4	+3.75	14 45—17 10	+3.74	13	P.	19.6	-2.21	19 50—22 35	-2.26
23		17.4	+3.72			13		22.9	-2.32		
23	M.	18.5	+3.93	18 30	+3.93	13		6.9	-2.29	■ 35—6 40	-2.29
23		21.8	+3.20	21 48	+3.20	13	P.-Fk.	7.4	-2.49	7 30—7 40	-2.49
23	M.-Fk.	5.8	+3.96	6 10—6 15	+3.96	14	Fk.-M.	7.3	-2.46	7 35—7 40	-2.46
24	M.	6.8	+4.16	7 20—7 25	+4.16	15	Fk.	15.9	-3.49	16 0—18 20	-3.58
25	Fk.-M.	6.4	+3.46	8 10—6 20	+3.46	15		18.8	-3.68	19 0—19 5	-3.68
26	M.	14.5	+2.25	15 0—17 15	+2.28	15	M.	19.7	-4.02	20 10—22 40	-4.24
26		17.6	+2.32			15		23.2	-4.47		
26	Fk.	19.6	+2.48	19 55—21 45	+2.24	15		6.8	-4.13	6 30—6 35	-4.13
26		22.2	+1.99			15	M.-P.	7.4	-4.35	7 40—7 45	-4.35
27		14.8	+1.39	15 10—17 35	+1.41	16	M.	16.1	-4.36	16 20—19 5	-4.56
27		17.9	+1.43			16		19.3	-4.77		
28	M.	18.7	+1.81	19 5—21 10	+1.96	16	P.	19.6	-4.63	19 39	-4.63
28		21.6	+2.12			16		22.8	-5.32	22 51	-5.32
29		14.8	+3.53	15 30—17 35	+3.50	16		6.7	-3.60	6 30—6 40	-3.60
29		17.9	+3.46			17	P.-Fk.	7.6	-3.99	7 45—7 50	-3.99
July 1	M.	15.2	-3.03	15 35—18 5	-3.04	17	P.	15.6	-2.69	16 0—18 10	-2.91
1		18.4	-3.06			17		18.6	-3.13	18 50—19 15	-3.20
1	Fk.	18.7	-2.89	19 5—21 35	-3.04	17		19.7	-3.28		
1		21.8	-3.18			18	P.	22.0	-1.28	22 0	-1.28
5	M.	18.9	-3.08	19 10—21 20	-3.31	18		23.9	-2.22	23 54	-2.22
5		21.7	-3.54			18		1.2	-2.52	0 55—1 0	-2.37
5	M.-P.	7.8	-3.69	7 0—7 5	-3.69	18	P.	22.0	-1.28	22 0	-1.28
6	M.	15.3	-2.39	15 30—17 55	-2.50	19	M.	2.3	-3.53	1 45—1 50	-3.53
6		18.3	-2.61			19		6.1	-3.15	6 35—6 40	-3.15
6	P.	18.8	-2.10	18 48	-2.10	19	M.-P.	7.7	-3.29	7 55—8 0	-3.29
6		21.2	-2.61	21 12	-2.61						
6		23.0	-3.02	23 0	-3.02						
6	P.-Fk.	7.2	-2.36	7 0—7 10	-2.36						

¹ Used +6".12 for η Capricorni and γ^2 Cygni; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1908 July 20	M.	h 16.2	" -3.01	h m h m 16 12	" -3.01	1908 Aug. 10	P.-Fk.	h 9.5	" -4.08	h m h m 9 15—9 25	" -4.08
20		19.2	-4.03	19 12	-4.03	10	P.	17.5	-2.81	17 30	-2.81
20	P.	19.6	-3.87	20 10—22 20	-3.78	10		20.8	-3.47	20 48	-3.47
20		22.8	-3.69			10	Fk.	7.2	-3.33	6 35—6 40	-3.33
20		2.8	-3.65	2 35—2 40	-3.65	10		9.1	-3.02	8 45—8 50	-3.02
27	P.	16.3	-2.65	16 18	-2.65	11	Fk.-P.	9.2	-3.01	9 20—9 30	-3.01
27		18.8	-3.39	18 45	-3.39	11	Fk.	17.7	-2.53	17 50—20 25	-2.50
27		20.6	-3.47	18 55—20 15	-3.43	11		20.9	-2.47		
28	Fk.-P.	8.3	-3.71	8 25—8 35	-3.71	11	Fk.-P.	21.8	-2.52	21 30—21 35	-2.52
28	Fk.	17.6	-3.09	17 50—20 25	-3.32	11	Fk.	7.2	-2.82	6 40—6 45	-2.82
28		20.7	-3.54			11		9.4	-2.61	8 55—9 0	-2.61
28	P.	6.6	-3.32	6 20—6 25	-3.32	12	Fk.	23.1	-1.83	22 35—22 40	-1.83
28		7.4	-3.12	7 10—7 15	-3.22	12		1.8	-2.05	23 15—1 20	-1.94
29		17.3	-2.81	17 18	-2.81	12		7.1	-2.26	6 40—6 45	-2.26
29		20.8	-3.33	20 45	-3.33	12		9.2	-1.61	9 0—9 5	-1.61
29	Fk.-P.	8.3	-3.44	8 35—8 40	-3.44	13	P.	23.0	-1.24	23 35—1 50	-1.38
30	Fk.	17.8	-3.71	17 50—18 5	-3.71	13		2.2	-1.51		
30	P.	21.8	-3.00	22 15—23 25	-3.24	13		6.2	-2.21	6 40—6 45	-2.21
30		23.8	-3.49			14	P.-Fk.	9.7	-1.47	9 30—9 40	-1.47
31	Fk.-P.	8.5	-3.50	8 40—8 50	-3.50	14	Fk.-P.	9.5	-1.83	9 20—9 45	-1.83
Aug. 1	Fk.	17.6	-3.41	17 50—20 25	-3.65	15	Fk.	17.8	-2.51	18 0—20 15	-2.58
1		20.8	-3.89			15		20.6	-2.65		
2	P.	21.8	-2.76	21 48	-2.76	15	P.	0.4	-2.63	0 24	-2.63
2		0.6	-3.30	0 33	-3.30	15		2.6	-3.56	2 33	-3.56
2		6.0	-3.89	6 0	-3.89	17	P.	7.2	-3.31	6 50—6 55	-3.31
2		8.2	-3.27	8 12	-3.27	18	P.-Fk.	9.6	-2.96	9 45—9 55	-2.96
3	P.-Fk.	8.8	-3.64	8 50—8 55	-3.64	18	P.	17.6	-2.62	18 0—20 25	-2.82
3	P.	13.8	-3.08	13 30—13 35	-3.08	18		20.8	-3.01		
3		17.4	-2.58	17 50—20 25	-2.75	19	Fk.-P.	9.7	-2.91	9 50—10 0	-2.91
3		20.7	-2.92			19	Fk.	17.8	-3.27	18 0—20 15	-3.04
3	Fk.	6.8	-2.73	6 25—7 55	-2.55	19		20.6	-2.81		
3		8.0	-2.37			20	P.-Fk.	10.1	-2.76	9 55—10 0	-2.76
3	Fk.-P.	8.7	-2.75	8 55—9 0	-2.75	20	P.	17.4	-2.67	17 24	-2.67
4	Fk.	14.6	-1.83	14 20—14 25	-1.83	20		20.6	-3.32	20 36	-3.32
4		17.5	-1.17	17 30	-1.17	20	Fk.	23.0	-3.51	23 3	-3.51
4		20.7	-1.72	20 42	-1.72	20		2.2	-4.58	2 12	-4.58
4	P.	21.8	-1.27	21 48	-1.27	20		7.3	-4.48	7 0—7 5	-4.48
4		0.6	-1.92	0 33	-1.92	20	Fk.-P.	9.9	-3.83	10 0—10 5	-3.83
4		8.2	-1.94	7 55—8 0	-1.94	28	P.-Fk.	10.6	-5.52	10 25—10 30	-5.52
4	P.-Fk.	8.8	-2.09	9 0—9 5	-2.09	28	Fk.-M.	10.3	-5.88	10 25—10 35	-5.88
6	P.	6.7	-3.18	6 30—6 35	-3.18	29	M.	17.5	-5.43	17 50—20 25	-5.52
7		16.6	-2.47	17 5—18 5	-2.67	29		20.8	-5.62		
7		18.3	-2.87			30	M.	0.1	-5.17	0 35—2 50	-5.34
7	Fk.	7.1	-3.27	6 30—6 35	-3.27	30		3.2	-5.50	7 30—7 35	-5.15
9	Fk.	17.4	-3.96	17 24	-3.96	30	M.-P.	10.3	-4.55	10 35—10 40	-4.55
9		18.6	-4.61	18 36	-4.61						
9		20.6	-4.81	18 55—20 15	-4.71						
9	P.	21.8	-4.43	21 48	-4.43						
9		0.6	-5.54	0 36	-5.54						
9		6.1	-5.30	6 35—8 40	-5.07						
9		9.0	-4.84								

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1908 .		h	"	h m h m	"	1908		h	"	h m h m	"
Aug. 31	M.	11.0	-4.53	11 15—11 20	-4.53	Sept. 12	P.	23.1	-3.88	23 6	-3.88
31		17.6	-4.55	18 0—20 25	-4.64	12		2.3	-4.40	2 18	-4.40
31		20.9	-4.73			13	M.-P.	11.2	-4.80	11 25—11 30	-4.80
31	P.	0.4	-4.37	0 24	-4.37	14	M.	22.1	-5.68	22 15—0 35	-5.50
31		3.6	-5.22	3 36	-5.22	14		0.8	-5.33	1 0—1 5	-5.33
Sept. 1	Fk.-M.	10.6	-4.99	10 40—10 50	-4.99	14	P.	2.2	-5.21	2 9	-5.21
2	Fk.	16.2	-4.52	15 45—15 50	-4.52	14		5.0	-6.29	5 0	-6.29
2		19.6	-4.36	19 33	-4.36	14		8.7	-5.92	8 30—8 35	-5.92
2		20.7	-5.02	20 42	-5.02	14	P.-Fk.	11.4	-5.56	11 30—11 35	-5.56
2	M.	8.2	-5.85	7 45—7 50	-5.85	15	P.	12.6	-6.37	12 40—12 45	-6.37
2	M.-P.	10.5	-5.44	10 45—10 55	-5.44	15		21.8	-5.48	22 15—0 35	-5.38
3	M.	11.2	-5.41	11 35—11 40	-5.41	15		1.0	-5.27		
3		17.3	-5.42	16 40—16 45	-5.42	15	Fk.	2.5	-6.20	2 30	-6.20
3		20.8	-5.56	18 0—20 25	-5.49	15		5.2	-6.90	5 12	-6.90
3	P.	0.6	-5.59	0 36	-5.59	15		8.8	-6.85	8 35—8 40	-6.85
3		3.8	-6.45	3 48	-6.45	15	Fk.-M.	11.4	-6.39	11 30—11 40	-6.39
3		8.1	-6.05	7 50—7 55	-6.05	16	Fk.	22.2	-6.32	22 15	-6.32
3	P.-Fk.	10.7	-5.75	10 50—10 55	-5.75	16		0.9	-7.73	0 54	-7.73
4	M.	17.3	-5.27	17 40—17 45	-5.27	17	P.	2.5	-6.97	2 30	-6.97
6	P.	19.4	-4.32	19 21	-4.32	17		5.3	-7.64	5 18	-7.64
6		22.0	-4.71	22 3	-4.71	17		8.9	-7.18	8 40—8 45	-7.18
6		1.0	-5.23	1 0	-5.23	17	P.-Fk.	11.5	-6.60	11 40—11 45	-6.60
7	M.	17.8	-5.09	18 5—20 25	-5.00	18	P.	12.8	-6.34	13 0—13 5	-6.34
7		20.6	-4.92	20 55—21 0	-4.92	18	Fk.	9.1	-6.97	8 45—8 50	-6.97
7	P.	0.6	-5.41	1 5—3 15	-5.46	18	Fk.-M.	11.5	-6.31	11 45—11 50	-6.31
7		3.6	-5.52			21	M.	17.6	-6.56	18 0—19 25	-6.78
7		8.2	-5.56	8 0—8 5	-5.56	21		19.7	-7.01		
7	P.-Fk.	10.9	-5.69	11 5—11 10	-5.69	21	P.-Fk.	11.8	-6.04	11 55—12 0	-6.04
8	P.	11.9	-5.82	12 5—12 10	-5.82	22	P.	13.2	-5.84	13 20—13 25	-5.84
8		21.5	-5.42	22 0—0 40	-5.62	22		17.8	-4.67	17 48	-4.67
8		0.8	-5.82			22		19.8	-5.30	19 48	-5.30
8	Fk.	1.8	-5.77	2 5—4 10	-5.99	22	Fk.	3.5	-6.10	3 35—6 5	-6.21
8		4.7	-6.21			22		6.4	-6.32		
8		8.6	-6.20	8 5—8 10	-6.20	22		9.3	-6.03	9 5—9 10	-6.03
8	Fk.-M.	10.9	-5.19	11 5—11 15	-5.19	22	Fk.-M.	11.7	-5.28	11 55—12 5	-5.28
9	Fk.	12.6	-4.86	12 10—12 15	-4.86	23	Fk.	18.6	-4.61	18 0—18 5	-4.61
9		22.2	-5.07	22 20—23 40	-5.22	23		20.0	-5.04	18 50—19 35	-4.82
9		0.2	-5.36			23	M.	3.2	-5.29	3 35—5 30	-5.48
10	P.	23.5	-5.75	23 30	-5.75	23		5.7	-5.67		
10		1.5	-6.31	1 30	-6.31	24	M.-P.	11.9	-5.25	12 0—12 10	-5.25
10		3.8	-6.67	2 0—3 30	-6.49	24	P.	9.5	-5.51	9 10—9 15	-5.51
10	P.-Fk.	11.2	-5.27	11 15—11 20	-5.27	24	P.-Fk.	11.9	-5.50	12 5—12 10	-5.50
11	P.	12.2	-5.54	12 20—12 25	-5.54	25	P.	18.2	-5.16	18 0—18 5	-5.16
11	Fk.	0.4	-4.88	0 30—2 25	-5.10	25		19.9	-5.01	18 50—19 35	-5.08
11		2.8	-5.33	3 5—3 10	-5.33	28	P.	3.4	-4.61	3 21	-4.61
11		8.7	-4.98	8 20—8 25	-4.98	28		6.5	-5.77	6 30	-5.77
11	Fk.-M.	11.1	-4.76	11 20—11 25	-4.76	28		9.7	-5.90	9 30—9 35	-5.90
12	Fk.	12.4	-4.56	12 25—12 30	-4.56						

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1908 Oct. 6	P.	18.6	-6.15	18 36	-6.15	1908 Oct. 16	P.	4.4	-6.66	4 50-7 15	-6.78
6		20.6	-6.84	20 33	-6.84	16		7.8	-6.91	8 0-8 5	-6.91
6		22.0	-6.58	22 3	-6.58	16		10.8	-7.67	10 45-10 50	-7.67
6		0.8	-7.68	0 51	-7.68	16	P.-M.	13.3	-6.44	13 25-13 30	-6.44
6	L.	3.9	-8.49	4 15-7 0	-8.30	17	P.	18.4	-7.11	18 55-20 55	-7.13
6		7.5	-8.12			17		19.3	-7.41		
6	L.-M.	12.7	-7.84	12 50-12 55	-7.84	17		21.2	-6.87		
7	L.	15.0	-6.66	14 20-14 25	-6.66	18	M.	4.3	-6.78	4 18	-6.78
7		18.2	-6.73	18 55-20 10	-6.82	18		5.9	-7.52	5 54	-7.52
7		21.0	-6.90	23 30-0 30	-7.55	18		7.8	-7.62	6 55-7 15	-7.57
7		0.6	-7.55			18	M.-P.	13.4	-7.13	13 30-13 40	-7.13
7	M.	4.3	-7.48	4 45-6 40	-7.58	19	P.-L.	13.4	-7.99	13 35-13 45	-7.99
7		7.5	-7.68			20	P.	18.9	-8.27	19 10-20 55	-8.39
7	M.-P.	13.1	-7.29	12 50-13 0	-7.29	20		21.2	-8.51		
8	M.	14.3	-6.96	14 25-14 30	-6.96	20		0.2	-8.24	0 20-0 25	-8.24
8		18.4	-6.30	18 55-19 15	-6.30	20	L.	4.2	-9.37	4 12	-9.37
11	M.	3.2	-8.20	3 35-6 5	-8.26	20		7.2	-9.89	7 12	-9.89
11		6.6	-8.33	6 55-7 15	-8.12	22	P.-M.	14.0	-8.35	13 50-13 55	-8.35
11		7.6	-7.92			25	M.-P.	13.8	-6.67	14 0-14 5	-6.67
11	M.-P.	13.0	-8.43	13 5-13 15	-8.43	26	M.	19.8	-5.96	20 5-20 55	-6.12
12	M.	18.6	-7.99	18 55-20 15	-8.06	26		21.3	-6.28		
12		20.6	-8.12			26		0.2	-6.60	0 20-0 25	-6.60
12		0.0	-8.99	0 25-0 30	-8.99	26	P.	11.8	-7.22	11 30-11 35	-7.22
12	P.	4.4	-9.11	4 15-4 20	-9.11	26	P.-M.	13.8	-6.85	14 5-14 10	-6.85
12		7.7	-9.42	4 50-7 15	-9.26	27	P.	19.6	-6.38	20 5-20 55	-6.42
12		10.7	-8.32	10 30-10 35	-8.32	27		21.3	-6.46		
12	P.-M.	13.0	-8.58	13 10-13 15	-8.58	29	P.	5.0	-8.21	5 30-7 40	-8.26
13	P.	14.5	-8.65	14 35-14 40	-8.65	29		8.2	-8.30		
13		18.4	-7.56	18 24	-7.56	29	P.-M.	14.0	-8.69	14 15-14 20	-8.69
13		20.6	-8.45	20 33	-8.45	30	P.	19.2	-8.32	19 5-21 30	-8.54
13	M.	4.5	-8.28	4 45-7 15	-8.40	30		21.8	-8.75		
13		7.6	-8.52			30	L.	4.9	-8.35	4 54	-8.35
13		11.1	-8.23	10 35-10 40	-8.23	30		8.7	-9.80	8 42	-9.80
13	M.-P.	13.0	-8.19	13 15-13 20	-8.19	30		11.5	-9.29	11 45-11 50	-9.29
14	M.	18.7	-7.67	18 55-20 15	-7.65	30	L.-M.	14.2	-8.95	14 20-14 25	-8.95
14		20.6	-7.63			31	L.	19.6	-9.20	20 5-21 15	-9.32
14	P.	4.4	-7.87	4 21	-7.87	31		21.7	-9.43		
14		7.7	-8.38	7 42	-8.38	31		0.2	-10.04	0 20-0 25	-10.04
14		10.8	-8.17	10 40-10 45	-8.17	Nov. 1	P.	19.6	-9.28	20 5-21 30	-9.46
14	P.-M.	13.2	-6.95	13 20-13 25	-6.95	1	M.	5.1	-10.35	5 25-8 10	-10.46
15	P.	14.8	-5.92	14 40-14 45	-5.92	1		8.7	-10.57		
15		18.4	-5.58	18 24	-5.58	2	M.-P.	14.6	-9.77	14 25-14 35	-9.77
15		20.6	-6.27	20 36	-6.27	2	M.	19.8	-9.61	20 5-21 10	-9.74
15	M.	4.2	-6.86	4 45-7 15	-7.07	2		21.7	-9.87	22 10-22 15	-9.87
15		7.7	-7.28			2		0.8	-9.99	0 20-0 25	-9.99
15	M.-P.	13.2	-6.80	13 20-13 30	-6.80						
16	M.	18.6	-6.35	18 55-20 10	-6.42						
16		20.5	-6.49								

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1908 Nov. 2	P.	h 6.3	" - 9.67	h m h m 6 18	" - 9.67	1908 Nov. 12	M.	h 20.6	" - 9.93	h m h m 20 5—22 25	" -10.09
2		9.2	-10.32	9 15	-10.32	12		22.1	-10.25		
2		12.2	- 9.23	12 0—12 5	- 9.23	12	P.	6.4	-10.63	6 55— 9 25	-10.67
2	P.-M.	14.4	- 8.98	14 30—14 35	- 8.96	12		9.8	-10.71		
3		14.4	- 9.15			12		12.5	-11.02	12 45—12 50	-11.02
3		14.7	- 8.74			12		14.2	-10.73	14 0—14 5	-10.73
3	P.	19.5	- 7.89	19 30	- 7.89	12	P.-M.	15.0	-10.76	15 10—15 20	-10.76
3		21.8	- 8.55	21 45	- 8.55	13	P.	20.9	-10.35	21 25—22 20	-10.40
3	L.	6.3	- 9.16	6 45— 8 50	- 9.05	13		22.7	-10.45		
3		9.4	- 8.94			13	L.	6.6	-10.97	7 10— 8 55	-10.96
3		12.7	- 8.24	12 5—12 10	- 8.24	13		9.9	-10.95		
4	M.	12.4	- 8.25	12 10—12 15	- 8.25	14	P.	6.8	-10.47	7 10— 9 40	-10.64
4	M.-P.	14.4	- 8.56	14 40—14 45	- 8.56	14		10.0	-10.80		
5	M.	19.8	- 9.51			15	M.	6.6	-10.52	7 10— 9 30	-10.56
5		21.8	- 9.92	20 5—21 25	- 9.72	15		9.9	-10.59	10 10—10 15	-10.59
5		0.5	-10.17	0 55— 1 0	-10.17	15		13.7	- 9.85	13 0—14 15	- 9.85
5	P.	6.3	-10.01	6 45— 9 0	- 9.93	15	M.-P.	15.2	-10.03	15 25—15 30	-10.03
5		9.3	- 9.85			16	M.	20.3	-10.03	20 18	-10.03
5		12.6	- 9.48	12 15—12 20	- 9.48	16		21.7	-10.64	21 42	-10.64
5		13.9	- 9.40	13 45—13 50	- 9.40	16	P.	7.5	-10.53	8 5— 9 55	-10.58
6	P.-M.	14.9	- 9.95	14 40—14 50	- 9.95	16		10.2	-10.64	11 0—11 5	-10.85
6	P.	20.7	- 8.88	20 42	- 8.88	16		11.3	-10.85		
6		22.6	- 9.45	22 39	- 9.45	16		13.2	-10.46	13 5—13 10	-10.46
6		1.7	- 9.66	1 50— 1 55	- 9.66	16		14.4	-10.01	14 15—14 20	-10.01
6	L.	6.4	- 9.92	6 45— 9 25	- 9.94	16	P.-M.	15.4	-10.67	15 25—15 35	-10.67
6		10.0	- 9.97			17	P.	20.3	-10.10	20 45—22 10	-10.13
6		12.8	- 9.59	12 20—12 25	- 9.59	17		22.4	-10.16		
7		20.5	- 9.47	20 5—21 25	- 9.48	17	L.	14.3	-11.01	14 20—14 25	-11.01
7		21.7	- 9.48			17	L.-M.	15.4	- 9.53	15 30—15 40	- 9.53
8	M.-P.	3.4	-10.27	3 45— 3 50	-10.27	18	L.	20.4	-10.49	20 24	-10.49
8	M.	4.4	-10.58	4 0— 6 10	-10.54	18		22.7	-11.19	22 42	-11.19
8		6.6	-10.50			18	M.	7.6	-11.37	8 0—10 0	-11.52
8		12.9	-10.29	12 25—12 30	-10.29	18		10.5	-11.67		
8	M.-P.	14.7	-10.03	14 55—15 0	-10.03	18		12.2	-11.44	12 12	-11.44
9	M.	20.4	- 9.14	21 0—21 40	- 9.26	18		14.7	-10.69	14 47	-10.69
9		22.1	- 9.37			18	M.-P.	15.4	-10.79	15 35—15 40	-10.79
9	P.-M.	4.4	- 9.69	4 40— 4 50	- 9.69	19	P.	13.1	-11.02	13 15—13 20	-11.02
9		14.9	- 9.96	15 0—15 5	- 9.96	19		14.8	-10.70	14 30—14 35	-10.70
10	P.	20.6	- 9.27	21 0—21 50	- 9.46	19	P.-M.	15.5	-10.63	15 40—15 45	-10.63
10		22.2	- 9.65			20	P.	20.4	-10.17	20 45—22 10	-10.33
10	L.-P.	5.3	- 9.88	5 30— 5 45	- 9.88	20		22.4	-10.49		
10	L.	6.3	-10.42	6 30— 9 40	-10.46	20	L.	7.8	-12.01	7 10— 9 40	-12.02
10		9.8	-10.51			20		10.2	-12.03		
11	M.	6.2	- 9.76	6 12	- 9.76	20		13.2	-11.94	13 20—14 40	-11.94
11	L.-M.	6.3	- 9.87	6 35— 6 45	- 9.87	20	L.-M.	15.6	-11.22	14 45—14 50	-11.22
11	M.	9.9	-10.76	9 54	-10.76	21	L.	22.0	-10.97	22 15— 0 40	-11.18 ¹
11						21		1.2	-11.39		
11	M.	13.1	-10.54	12 40—14 0	-10.54	25	L.	21.8	- 8.85	21 48	- 8.85
11	M.-P.	14.9	-10.20	15 5—15 15	-10.20	25		1.1	- 9.65	1 6	- 9.65

¹ Used -14''.88 for 1 H. Draconis s. p.; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1908 Nov. 26	P.	h 8.2	" - 8.23	h m h m 8 12	" - 8.23	1908 Dec. 8	L.	h 7.0	" -11.56	h m h m 7 10- 9 30	" -11.59
26		11.0	- 9.13	11 0	- 9.13	8		9.7	-11.62	10 0-11 20	-11.74
26		13.5	-10.18	13 30	-10.18	8		12.2	-11.87		
26		15.4	- 9.04	15 24	- 9.04	8		16.4	-11.33	16 30-16 35	-11.33
26	P.-M.	16.0	- 9.47	16 10-16 15	- 9.47	8	L.-M.	16.9	-11.38	17 0-17 10	-11.38
27	P.	21.3	- 7.65	21 18	- 7.65	9	L.	22.7	-11.75	23 25- 1 20	-11.68
27		23.3	- 8.60	23 18	- 8.60	9		2.1	-11.62		
27	L.	8.0	- 9.45	8 35-10 50	- 9.54	9	M.	8.6	-11.47	8 50-12 15	-11.48
27		11.5	- 9.63			9		11.7	-11.48		
29	P.	21.4	- 9.71	21 50-21 55	- 9.71	15	P.	22.8	-11.00	23 15- 1 5	-11.10
30	M.-P.	16.6	- 6.56	16 20-16 30	-6.56	15		1.4	-11.19		
30	M.	21.6	- 7.55	22 0-23 0	- 7.60	15	L.	15.6	-12.54	15 20-15 25	-12.54
30		23.3	- 7.65			15	L.-M.	17.4	-12.35	17 30-17 40	-12.35
30	P.	15.8	- 7.34	15 35-15 40	- 7.34	18	L.	10.5	-12.67	10 55-13 0	-12.68
30	P.-M.	16.3	- 7.60	16 25-16 35	- 7.60	18		13.3	-12.69		
						18		15.9	-12.55	15 35-15 40	-12.55
Dec. 1	P.	22.6	- 7.43	22 33	- 7.43	18	L.-M.	17.5	-12.51	17 45-17 50	-12.51
1		0.2	- 8.43	0 9	- 8.43	19	L.	22.9	-12.57	22 54	-12.57
1	M.	8.4	- 9.74	8 45-11 0	- 9.46	19		3.5	-13.14	3 30	-13.14
1		11.4	- 9.17			20	M.	7.6	-12.21	7 10- 7 15	-12.21
1	M.-P.	16.4	- 8.30	16 30-16 40	- 8.30	22	L.-M.	18.3	-10.77	18 5-18 10	-10.77
2	M.	0.1	- 8.12	0 6	- 8.12	23	L.	0.0	-10.96	0 0	-10.96
2		2.4	- 8.68	2 24	- 8.68	23		3.5	-11.49	3 30	-11.49
2	P.	8.4	- 8.95	8 21	- 8.95	25	L.-M.	18.1	-12.39	18 15-18 25	-12.39
2		11.6	- 9.57	11 33	- 9.57	26	L.	23.7	-12.43	23 25- 2 5	-12.61
2		14.0	- 9.34	14 15-14 20	- 9.34	26		2.5	-12.79		
2		16.0	- 9.00	15 50-15 55	- 9.00	27	M.	7.4	-12.50	7 5- 7 10	-12.50
2	P.-M.	16.4	- 9.32	16 35-16 40	- 9.32	27		10.5	-12.86	8 50-10 5	-12.68
3	P.	23.0	- 9.49	23 25- 1 35	- 9.52	27		12.6	-12.83	10 55-13 0	-12.84
3		2.0	- 9.55			27	M.-P.	18.3	-12.58	18 25-18 30	-12.58
3	M.	8.6	-10.17	8 50-11 30	-10.15	28	M.	23.1	-12.43	23 25- 1 0	-12.50
3		11.7	-10.13			28		1.3	-12.57		
5	L.	2.4	-11.19	2 50- 3 45	-11.21	28	P.	6.7	-11.84	7 5- 7 10	-11.84
5		4.3	-11.23			28		8.9	-11.97	9 20-10 25	-12.14
7	M.	22.6	-11.64	23 0- 0 15	-11.68	28	P.	10.8	-12.31	10 55-12 15	-12.26
7		0.8	-11.73			28		12.8	-12.21	12 45	-12.21
7	P.-M.	5.0	-11.42	5 10- 5 20	-11.42	28		13.8	-12.82	13 51	-12.82
7	P.	7.0	-11.89	7 10- 8 55	-11.79	28		16.6	-12.13	16 25-16 30	-12.13
7		9.2	-11.69	9 20-12 15	-11.74	28	P.-M.	18.3	-11.58	18 30-18 35	-11.58
7		11.9	-11.79			29	P.	23.6	-11.69	23 33	-11.69
7		15.0	-11.49	14 40-14 45	-11.49	29		2.5	-12.25	2 30	-12.25
7		16.6	-11.31	16 20-16 25	-11.31	29	L.	6.7	-12.47	7 5- 7 10	-12.47
7	P.-M.	16.8	-11.27	16 55-17 5	-11.27	30	M.	16.2	-12.42	16 35-16 40	-12.42
8	P.	22.5	-11.07	23 0- 0 15	-11.25	30	M.-L.	18.3	-12.34	18 40-19 5	-12.34
8		0.6	-11.43								
8	L.-P.	6.5	-11.77	6 10- 6 15	-11.77						

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1908		h	"	h m h m	"	1909		h	"	h m h m	"
Dec. 31	M.	23.7	-11.90	23 25—1 30	-11.98	Jan. 22	P.	21.6	-6.54	21 25—21 30	-6.54
31		1.8	-12.06	2 5—2 10	-12.06	22		2.0	-6.58	1 45—5 5	-6.79
1909						22		4.9	-7.00		
Jan. 1	P.	23.6	-10.61	23 36	-10.61	22		7.3	-6.98	6 55—7 10	-6.98
1		2.6	-11.30	2 33	-11.30	24	M.-P.	20.3	-4.96	20 25—20 35	-4.96
1		3.4	-11.19	3 0—3 5	-11.19	25	M.	1.1	-5.64	1 25—4 35	-5.86
1		6.6	-11.65	7 5—7 10	-11.65	25		4.8	-6.07	5 30—5 35	-6.13
1	L.	10.3	-11.44	10 55—13 30	-11.50	25		6.7	-6.19		
1		14.1	-11.57			25	L.	18.8	-5.82	18 55—19 0	-5.82
1		17.1	-11.16	16 45—16 50	-11.16	25	L.-P.	20.4	-5.46	20 30—20 40	-5.46
2	L.-M.	19.0	-10.88	18 45—19 20	-10.88	26	L.	22.1	-5.66	21 45—21 50	-5.66
2	L.	0.7	-10.80	0 42	-10.80	26		0.6	-6.02	0 55—3 10	-6.14
2		4.1	-11.43	4 6	-11.43	26		3.8	-6.26	3 48	-6.26
3	P.	4.1	-10.45	4 30—7 10	-10.46	26		7.3	-7.10	7 18	-7.10
3		6.8	-10.46			26	P.	11.6	-6.40	11 25—15 10	-6.36
4	M.-P.	19.2	-10.48	18 55—19 5	-10.48	26		14.6	-6.32		
5	L.	11.7	-8.50	11 42	-8.50	26	P.-M.	20.4	-5.65	20 35—20 40	-5.65
5		14.2	-9.38	14 12	-9.38	27	P.	22.0	-4.75	21 50—21 55	-4.75
5		17.5	-9.64	17 5—17 10	-9.64	27		2.0	-5.05	2 3	-5.05
6	L.-M.	19.4	-9.17	19 5—19 50	-9.17	27		4.9	-5.71	4 54	-5.71
6	L.	0.8	-9.37	0 55—2 10	-9.60	27	M.-L.	20.4	-4.79	20 40—20 45	-4.79
6		2.6	-9.82			28	M.	3.3	-5.62	2 40—4 35	-5.76
6	M.-L.	7.3	-9.61	7 5—7 50	-9.61	28		4.8	-5.89		
12	L.	10.4	-9.06	10 24	-9.06	29	L.	19.7	-4.75	19 15—19 20	-4.75
12		14.2	-9.67	14 12	-9.67	31	P.-L.	5.7	-4.68	5 30—5 35	-4.68
17	M.	10.5	-9.67	10 55—13 30	-9.76	31	P.	5.8	-4.69	5 45	-4.69
17		13.9	-9.85	18 10—18 15	-9.96	31		7.9	-5.32	7 54	-5.32
17		18.0	-9.96			31	M.-P.	20.7	-3.61	20 55—21 0	-3.61
18	M.-P.	20.2	-9.19	19 55—20 5	-9.19	Feb. 1	M.	5.3	-4.79	5 30—7 5	-4.85
18	M.	0.6	-9.25	0 55—3 10	-9.36	1		6.8	-4.91		
18		3.5	-9.48	7 5—7 10	-9.50	1	P.	12.0	-4.29	12 10—15 10	-4.28
18		6.7	-9.50			1		15.3	-4.26		
18	P.	18.0	-6.29	18 15—18 20	-6.29	1		19.2	-5.03	19 30—19 35	-5.03
18	P.-M.	19.9	-7.55	20 0—20 10	-7.55	2	P.-M.	21.2	-3.85	21 0—21 5	-3.85
19	P.	21.4	-6.64	21 10—21 15	-6.64	2	P.	5.1	-4.22	5 30—7 25	-4.12
19		1.2	-7.50	1 25—3 40	-7.66	2		7.8	-4.03		
19		3.8	-7.81			2	L.	14.0	-4.74	14 35—15 35	-4.77
19	L.	18.7	-7.51	18 25—18 30	-7.51	2		16.3	-4.80		
19	L.-M.	19.8	-7.59	20 5—20 15	-7.59	2		19.5	-4.31	19 40—19 45	-4.31
20	L.	21.8	-6.69	21 15—21 20	-6.69	2	L.-M.	20.8	-4.54	21 5—21 10	-4.54
20		1.7	-7.10	1 25—3 20	-7.28	3	L.	5.8	-4.53	6 15—8 20	-4.50
20		3.5	-7.46	3 35—7 10	-7.48	3		8.6	-4.46		
20		6.8	-7.49			4	M.-P.	21.3	-4.28	21 5—21 15	-4.28
20	M.	11.7	-7.55	11 25—15 10	-7.54	4	M.	3.3	-4.03	3 35—4 40	-4.02
20		14.4	-7.53			4		4.8	-4.00		
21		1.1	-7.14	0 55—3 10	-7.17	4	P.-M.	8.9	-4.06	9 10—9 15	-4.06
21		3.5	-7.20	7 5—7 10	-7.67						
21		6.6	-7.67								
22	P.-M.	20.4	-6.68	20 15—20 20	-6.68						

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1909 Feb.		h	"	h m h m	"	1909 Feb.		h	"	h m h m	"
4	P.	10.5	-3.62	10 55-13 35	-3.84	24	M.-P.	22.4	-4.65	22 30-22 35	-4.65
4		14.0	-4.07	14 40-15 35	-4.12						
4		15.9	-4.18			25	M.	4.3	-3.59	4 5-5 40	-3.54
4		20.0	-4.26	19 50-19 55	-4.26	25		5.8	-3.48		
5	L.	21.0	-3.48	21 15-21 25	-3.48	25	P.	10.6	-2.94	10 33	-2.94
5		3.5	-3.57	3 30	-3.57	25		13.7	-4.25	13 42	-4.25
5		6.5	-5.04	6 30	-5.04	25		16.6	-4.21	14 10-16 55	-4.23
7	P.	20.0	-3.43	20 5-20 10	-3.43	25		21.8	-3.46	21 35-21 40	-3.46
7	P.-M.	21.3	-3.53	21 25-21 30	-3.53	25	P.-M.	22.4	-3.79	22 35-22 40	-3.79
8	P.	3.4	-3.62	3 35-4 40	-3.73	26	P.	3.6	-3.91	4 15-5 45	-4.01
8		4.9	-3.84			26		6.0	-4.11		
10	M.	20.2	-3.70	20 20-20 25	-3.70	26	L.	14.8	-3.99	15 5-17 0	-4.21
10	M.-P.	21.4	-3.92	21 35-21 45	-3.92	26		17.3	-4.43		
11	M.	3.3	-4.29	3 35-4 40	-4.31	26		22.3	-3.73	21 40-21 45	-3.73
11		5.0	-4.33			26	L.-M.	22.4	-3.97	22 35-22 45	-3.97
11	P.	10.4	-4.27	10 55-13 35	-4.25	27	L.	10.0	-5.02	10 20-12 15	-5.02
11		14.0	-4.23	14 35-16 10	-4.32	27		12.0	-5.01		
11		15.9	-4.41			28	P.	4.4	-3.88	4 24	-3.88
	L.-M.	21.5	-2.92	21 45-21 50	-2.92	28		5.9	-4.66	5 54	-4.66
13	L.	2.8	-4.22	2 48	-4.22	28	P.-L.	6.0	-4.31	6 5-6 15	-4.31
13		6.5	-4.82	3 30	-4.82	28	P.	10.6	-4.01	10 45-10 50	-4.01
13	M.	10.6	-4.55	10 20-14 15	-4.50	28	M.	15.0	-3.40	15 0	-3.40
13		13.7	-4.46			28		16.7	-4.11	16 42	-4.11
16	P.-M.	22.1	-2.91	21 55-22 0	-2.91	28		22.5	-4.36	21 50-21 55	-4.36
16	P.	3.6	-1.95	4 5-5 35	-2.08	28	M.-P.	22.6	-4.29	22 45-22 50	-4.29
16		5.3	-2.20			Mar. 1	M.	5.2	-4.16	4 50-6 25	-4.24
17	L.	3.7	-2.59	3 42	-2.59	1		6.8	-4.31		
17		6.5	-3.17	6 30	-3.17	2	P.	10.6	-4.81	10 20-10 50	-4.81
17	M.	11.7	-3.29	10 50-14 15	-3.50	4	P.	15.0	-3.21	15 3	-3.21
17		14.4	-3.70	14 40-17 0	-3.60	4		17.4	-3.85	17 21	-3.85
17		16.4	-3.49			4		21.2	-3.70	21 15-22 15	-3.70
17		21.4	-3.69	20 55-21 10	-3.69	4		22.4	-3.69		
17	M.-P.	21.9	-4.17	22 5-22 10	-4.17	4	P.-M.	22.9	-4.08	23 0-23 5	-4.08
18	M.	3.6	-3.36	4 5-5 35	-3.59	5	P.	4.7	-3.47	4 42	-3.47
18		5.2	-3.82			5		6.4	-4.02	6 24	-4.02
18	P.	10.6	-3.74	10 20-13 25	-3.83	5		10.4	-3.96	10 30-10 45	-3.96
18		13.8	-3.92	14 10-15 35	-3.96	7	M.-P.	11.9	-5.25	12 0-12 15	-5.25
18		16.2	-4.01			7	M.	15.2	-5.30	15 30-17 0	-5.37
19	L.	14.6	-4.47	15 5-17 0	-4.64	7		16.6	-5.44		
19		16.7	-4.81			7		21.9	-5.00	21 30-22 30	-5.00
20		3.8	-4.47	4 5-5 35	-4.72	7	M.-P.	23.1	-4.94	23 10-23 20	-4.94
20		5.8	-4.97			9	M.-P.	23.2	-5.34	23 20-23 25	-5.34
20		10.4	-5.09	10 50-10 55	-5.09	10	L.	15.2	-5.87	15 12	-5.87
20	M.	14.5	-5.12	14 10-15 55	-5.04	10		18.2	-5.20	18 12	-5.20
20		16.3	-4.96			10	L.-P.	23.2	-4.39	23 20-23 30	-4.39
24	M.	10.6	-5.27	10 20-12 25	-5.34	11	L.	5.3	-5.12	4 50-7 0	-5.19
24		13.0	-5.41	14 10-15 10	-5.58	11		7.8	-5.26		
24		14.8	-5.76	14 51	-5.76	11		10.6	-5.24	10 40-10 45	-5.24
24		16.6	-4.56	16 39	-4.56						

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1909 Mar. 11	P.	h 14.6	" -4.87	h m h m 15 5—17 0	" -4.90	1909 Mar. 23	L.	h 15.2	" -5.59	h m h m 15 45—18 5	" -5.58
11		17.3	-4.94	17 18	-4.94	23		18.3	-5.58		
11		18.3	-4.40	18 18	-4.40	23		0.0	-5.24	0 10—0 15	-5.24
11		22.9	-4.45	22 45—22 50	-4.45						
12	P.-M.	23.6	-5.01	23 25—23 30	-5.01	25	M.-P.	0.4	-5.34	0 15—0 20	-5.34
13	P.	16.8	-5.44	16 50—16 55	-5.44	25	M.	8.2	-5.56	8 35—10 25	-5.56
14	M.	15.2	-4.83	15 12	-4.83	25		10.6	-5.57		
14		17.3	-6.00	17 18	-6.00	25	P.	22.9	-4.85	23 0—23 55	-4.85
14		22.4	-5.06	22 0—22 5	-5.06	25	P.-M.	0.1	-4.86	0 15—0 25	-4.86
15		5.3	-5.27	4 50—7 0	-5.42	26	P.	5.0	-5.25	4 50—4 55	-5.25
15		7.2	-5.58			26		8.2	-5.39	8 35—10 25	-5.55
15		10.3	-5.23	10 35—10 40	-5.23	26		10.7	-5.71		
15	P.	15.0	-5.57	15 30—17 0	-5.56	26	L.	15.1	-6.12	15 40—18 5	-6.06
15		17.2	-5.54	18 0—18 5	-5.44	26		18.3	-6.00		
15		18.7	-5.35			26		0.0	-5.01	23 5—23 10	-5.01
15	P.-M.	23.6	-5.05	23 40—23 45	-5.05	28	P.	6.4	-5.67	6 24	-5.67
16	P.	5.8	-5.06	6 20—7 25	-5.24	28		8.7	-7.18	8 42	-7.18
16		7.1	-5.43			28					
16	L.	15.6	-5.34	15 40—18 5	-5.52	28	M.	15.2	-6.45	15 40—16 30	-6.54
16		18.5	-5.71			28		17.3	-6.62		
16		22.7	-4.35	22 10—23 10	-4.35	28		23.5	-5.93	23 15—0 5	-5.93
17		6.4	-4.62	6 0—8 55	-4.78	28	M.-P.	0.3	-5.94	0 25—0 35	-5.94
17		9.2	-4.95	9 25—12 15	-5.06	29	M.	7.5	-6.31	7 40—7 45	-6.31
17		12.0	-5.17			30	P.-M.	0.7	-5.49	0 30—0 40	-5.49
17	M.	15.3	-3.99	15 40—18 5	-4.21	30	P.	7.9	-5.73	7 54	-5.73
17		17.4	-4.43			30		10.6	-6.51	10 36	-6.51
17		22.5	-3.85	22 15—23 15	-3.85	30		12.6	-6.36	11 25—12 20	-6.44
17	M.-P.	23.6	-3.90	23 45—23 55	-3.90	30	L.	15.1	-6.39	15 40—18 5	-6.17
18	M.	5.6	-4.84	6 0—7 0	-4.96	30		18.2	-5.95		
18		7.2	-5.08			31		8.1	-6.81	8 40—10 25	-6.92
19	L.	15.1	-5.94	15 40—18 5	-5.81	31		10.7	-7.02		
19		18.0	-5.68			31	M.	15.2	-6.63	15 40—18 5	-6.60
19		22.7	-6.30	22 25—22 30	-6.30	31		17.3	-6.58		
19		23.6	-6.46	23 20—23 25	-6.46	31		23.8	-6.56	23 35—0 20	-6.56
19	L.-M.	23.7	-6.80	23 55—0 0	-6.80	31	M.-P.	0.5	-6.39	0 40—0 45	-6.39
20	L.	6.4	-6.41	6 0—8 55	-6.52	Apr. 2	P.	10.7	-5.25	10 42	-5.25
20		9.2	-6.63	9 25—12 15	-6.70	2		13.1	-6.18	13 6	-6.18
20		12.0	-6.77			2	L.	15.2	-6.09	15 40—18 5	-5.98
21	M.	15.4	-6.01	15 24	-6.01	2		18.4	-5.87		
21		17.5	-5.39	17 30	-5.39	3	M.-L.	9.8	-6.40		
21		23.1	-4.86	22 35—23 35	-4.86	3		12.0	-6.61		
21	M.-P.	23.8	-4.78	0 0—0 10	-4.78	3	L.	12.7	-6.91	11 50—13 10	-6.91
22	M.	6.4	-5.96	6 45—7 25	-5.90	4	P.	11.6	-7.17	11 25—13 0	-6.97
22		7.8	-5.85			4		13.2	-6.77		
22	P.	15.3	-5.02	15 40—18 5	-5.28	4	M.	15.2	-6.71	15 40—18 5	-6.90
22		17.6	-5.53			4		17.6	-7.08		
22		22.4	-4.68	22 40—22 45	-4.68	4	M.-P.	0.7	-6.13	0 35—1 0	-6.13
22		23.8	-4.63	23 35—23 40	-4.63	5	P.	13.1	-6.19	12 55—15 10	-6.10
22	P.-M.	0.0	-4.95	0 5—0 15	-4.95						
23	P.	5.5	-5.21	6 0—7 40	-5.15						
23		8.0	-5.09								

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		^h	["]	^h ^m ^h ^m	["]			^h	["]	^h ^m ^h ^m	["]
1909 Apr. 5	P.-M.	13.2	-6.31	13 15—13 25	-6.31	1909 Apr. 18	M.-P.	1.5	-3.33	1 45—1 50	-3.33
5	P.	14.8	-6.02			22	M.-P.	2.1	-5.37	1 55—2 0	-5.37
5	P.-M.	0.8	-5.25	0 40—1 5	-5.25	22	M.-L.	9.3	-5.95		
6	P.	9.0	-5.47	8 45—10 25	-5.32	22		11.5	-6.74		
6		10.6	-5.16			22	P.	15.6	-5.89	16 5—17 15	-6.04
6	L.-P.	14.3	-5.52	14 0—14 10	-5.52	22		17.6	-6.13		
6	L.	14.5	-5.38	15 0—17 15	-5.59	23	L.	17.8	-5.85	17 48	-5.85
6		17.5	-5.80			23		18.8	-6.82	18 48	-6.82
7	L.-M.	1.2	-3.21	1 0—1 5	-3.21	23	L.-M.	1.8	-6.01	2 5—2 20	-6.01
7	L.	9.8	-5.16	8 50—9 40	-5.16	25	P.	7.6	-4.30	7 36	-4.30
7	M.	15.4	-5.26	15 5—16 30	-5.38	25		10.6	-5.18	10 36	-5.18
7		16.7	-5.50			26	M.-P.	2.4	-6.29	2 10—2 40	-6.29
8	P.	15.2	-6.94	15 40—15 45	-6.94	26	M.	8.7	-5.82	9 55—10 25	-5.95
8		1.0	-5.41	0 25—1 0	-5.41	26		10.8	-6.08		
8	P.-M.	1.1	-5.50	1 5—1 15	-5.50	26	P.	15.6	-5.34	16 5—18 5	-5.56
9	P.	7.9	-6.24	7 54	-6.24	26		18.4	-5.78		
9		9.9	-7.01	9 54	-7.01	27	P.-M.	2.4	-5.82	2 15—2 20	-5.82
9	L.	17.7	-7.28	16 50—18 5	-7.28	28	L.-M.	2.6	-5.56	2 20—2 55	-5.56
9		1.1	-5.16	0 30—0 35	-5.16	28	L.	10.4	-6.35	10 0—12 20	-6.44
10	L.-M.	1.4	-5.40	1 10—1 20	-5.40	28		12.0	-6.52		
10	L.	8.4	-5.82	8 25—9 15	-5.82	28	M.	16.6	-6.01	16 5—18 5	-5.92
10	P	15.2	-5.48	15 40—18 5	-5.60	28		18.5	-5.83		
10		18.4	-5.72			29		10.6	-6.00	10 45—10 50	-6.00
11	M.	15.2	-5.62	15 40—18 35	-5.54	30	P.	9.8	-4.99	10 10—10 30	-4.99
11		18.3	-5.46			Instrument reversed to Clamp East. Micrometer removed and east wye adjusted.					
12	M.-P.	1.5	-4.38	1 20—1 25	-4.38	May 9	M.	18.2	+1.52	18 35—19 35	+1.63
12	M.	1.6	-5.00	0 45—1 10	-5.00	9		19.9	+1.74		
12		9.2	-5.21	8 40—9 30	-5.21	East wye adjusted.					
14	M.	0.8	-5.16	1 5—1 25	-5.16	11	P.-M.	3.3	-0.71	3 10—3 30	-0.71
15	M.-L.	1.7	-4.86	1 30—1 35	-4.86	11	P.	4.7	-0.47	4 30—4 35	-0.47
15	M.	8.2	-6.11	8 40—9 40	-6.18	11		9.6	-0.57	9 20—13 0	-0.59
15		9.5	-6.25			11		12.8	-0.61		
15	P.	16.0	-6.05	16 5—18 5	-6.18	11	L.	20.8	-0.96	21 10—21 45	-0.96
15		18.4	-6.32			11	L.-M.	3.0	-0.80	3 10—3 35	-0.80
15		0.8	-6.02	1 15—1 30	-6.02	12	L.	4.5	-1.08	4 35—4 40	-1.08
16	P.-M.	1.8	-5.77	1 35—1 40	-5.77	12		9.6	-1.20	9 20—13 0	-1.18
16	P.	8.4	-5.84	8 40—10 25	-5.76	12		12.3	-1.16		
16		10.7	-5.68			12	M.	20.5	-0.97	21 0—22 20	-0.77
16	L.	15.8	-5.88	16 5—18 5	-5.63	12		22.0	-0.57		
16		18.5	-5.38			12	M.-P.	3.1	-1.17	3 15—3 25	-1.17
16	L.-M.	1.2	-5.11	1 20—1 45	-5.11	13	M.	4.4	-1.61	4 44—4 45	-1.61
18	M.	15.7	-3.79	16 5—18 5	-3.86	13		10.4	-2.86	9 20—12 40	-2.88
18		18.4	-3.93			13		12.4	-2.91		
						14	L.	1.8	+1.07	1 25—1 30	+1.07

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1909 May 15	L.-M.	h 3.2	" +1.30	h m h m 3 25—3 30	" +1.30	1909 June 14	L.	h 18.6 20.1	" -1.27 -1.02	h m h m 18 55—19 55	" -1.14
15	L.	5.2	+0.83	4 55—5 0	+0.83	15	M.	18.5	-0.49	19 0—19 45	-0.64
15		9.5	+0.63	0 30	+0.63	15		20.0	-0.79		
15		13.2	-0.11	13 12	-0.11						
16	M.-P.	3.4	+2.03	3 30—3 40	+2.03	15	L.	1.7	-0.31	1 25—1 30	-0.31
17	M.	4.6	+1.50	3 55—5 10	+1.50	16	L.-M.	5.9	-0.43	5 35—5 40	-0.43
17		11.1	+2.33	9 20—13 30	+2.22	16	L.	6.6	-0.92	6 35—6 40	-0.92
17		13.2	+2.12			16		13.1	-1.72	13 25—15 10	-1.62
17	P.	1.6	+1.55	1 25—1 30	+1.55	16		15.3	-1.51		
18		4.8	+1.59	4 0—5 15	+1.59	16		19.9	-1.36	19 0—19 45	-1.36
18		9.7	+1.67	9 20—13 30	+1.44						
18		13.2	+1.23			17	L.	1.2	-1.29	1 25—1 30	-1.29
18		13.7	+1.19			18	L.-M.	5.9	-1.17	5 40—5 50	-1.17
24	P.	1.7	-1.42	1 25—1 30	-1.42	18	L.	6.7	-1.41	6 45—6 50	-1.41
25	P.-L.	4.2	-2.42	4 5—4 10	-2.42	18		13.1	-1.16	13 25—15 10	-1.00
28	P.-L.	4.5	-2.45	4 15—4 25	-2.45	18		14.9	-0.85		
28	P.	10.7	-3.59	10 42	-3.59	18	M.	1.0	-0.32	1 25—1 30	-0.32
28		14.4	-2.46	14 24	-2.46	19	M.-L.	6.0	-0.67	5 45—5 55	-0.67
Counterpoise weights adjusted.						19	M.	6.6	-0.93	6 50—6 55	-0.93
28	L.	21.2	-2.36	21 20—21 25	-2.36	19		13.0	-1.27	13 25—15 10	-1.51
29		9.7	-1.06	9 42	-1.06	19		14.5	-1.75		
29		14.1	-2.09	14 6	-2.09	20	L.	1.8	-1.55	1 25—1 30	-1.55
30	P.	12.9	-1.22	13 5—14 45	-1.32	21	L.-M.	6.1	-1.45	5 55—6 0	-1.45
30		15.0	-1.42			21	L.	7.4	-1.71	7 0—7 5	-1.71
31	L.	14.0	+0.03	14 5—14 50	+0.16	21		13.2	-2.29	13 25—15 10	-2.42
31		14.9	+0.29			21		15.3	-2.54		
31	P.	21.6	-0.17	21 20—21 25	-0.17	21	M.	1.2	-1.51	1 25—1 30	-1.51
June 1	P.-M.	4.8	+0.29	4 30—5 15	+0.29	22	M.-L.	6.2	-1.56	6 0—6 5	-1.56
1	L.	21.7	-0.60	21 20—21 25	-0.60	22	M.	7.3	-2.17	7 5—7 10	-2.17
1		1.7	+0.41	1 25—1 30	+0.41	23	L.-M.	6.3	-0.42	6 5—6 10	-0.42
2	L.-M.	4.9	+0.08	4 35—4 45	+0.08	23	L.	7.1	-1.09	7 10—7 15	-1.09
2	L.	11.9	-0.68	11 40—14 0	-0.62	23		12.9	-1.96	13 25—15 10	-1.96
2		15.5	-0.57			23		15.4	-1.96		
5	L.-M.	5.0	-0.37	4 50—4 55	-0.37	23		18.9	-1.76	18 54	-1.76
6	M.	20.1	+0.11	19 55—21 25	0.00	23		19.9	-1.08	19 54	-1.08
6		21.2	-0.10			24	M.-L.	6.4	-0.63	6 5—6 15	-0.63
6		1.7	+0.64	1 25—1 30	+0.64	24	M.	13.0	-0.99	11 40—11 45	-0.99
7	M.-P.	5.1	+0.34	4 55—5 5	+0.34	24		15.3	-1.32	13 25—15 10	-1.16
11	M.	23.1	+0.03	23 50—2 5	-0.05	24		18.6	-1.14	19 0—19 40	-1.14
11		1.2	-0.13			24	L.	1.8	-0.46	1 25—1 30	-0.46
12	M.-L.	5.5	-0.39	5 15—5 25	-0.39	25	L.-M.	6.4	-0.01	6 10—6 20	-0.01
12	M.	12.9	-0.86	13 25—15 10	-1.00	25	L.	7.6	-0.43	7 20—7 25	-0.43
12		14.5	-1.15			25		13.2	-1.11	13 25—14 50	-1.16
13	L.	2.1	-0.20	1 25—1 30	-0.20	25		14.9	-1.22		
14	L.-M.	5.7	-0.67	5 25—5 35	-0.67	25	M.	0.9	-0.43	1 25—1 30	-0.43
						26	M.-L.	6.5	-0.85	6 15—6 25	-0.85

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1909 June 26	M.	7.7	-0.84	7 25—7 30	-0.84	1909 July 8	P.	23.0	-1.66	23 20—1 30	-1.76
26		12.9	-1.27	13 10—14 55	-1.16	8		1.7	-1.85		
26		15.1	-1.04			8		5.6	-1.46	5 40—5 45	-1.46
28	L.-M.	6.6	-0.93	6 25—6 30	-0.93	8	P.-M.	7.0	-1.30	7 10—7 15	-1.30
28	L.	14.1	-1.41	14 10—15 15	-1.23	9	P.	8.4	-1.68	8 35—8 40	-1.68
28		15.7	-1.05			9		13.7	-1.64	13 42	-1.64
29	M.-L.	6.7	-1.05	6 30—6 35	-1.05	9		16.3	-2.32	16 18	-2.32
29	M.	7.9	-1.06	7 40—7 45	-1.06	9	L.	22.8	-5.50	23 0—1 30	-5.49
29		13.8	-1.26	13 25—16 10	-1.29	9		1.8	-5.48		
29		16.4	-1.32			9		6.1	-1.51	5 45—5 50	-1.51
29	L.	1.8	-1.36	1 25—1 30	-1.36	9	L.-M.	7.0	-1.74	7 15—7 20	-1.74
30		6.8	-1.04	6 30—6 40	-1.04	10	L.	13.2	-2.40	12 55—16 30	-2.54
30		8.2	-1.78	7 45—7 50	-1.78	10		16.7	-2.68		
30		13.8	-2.33	13 25—17 10	-2.09	10	P.	22.8	-1.69	22 45	-1.69
30		16.9	-1.85			10		1.7	-0.81	1 42	-0.81
July 30	M.	1.1	-1.09	1 25—1 30	-1.09	11	M.	6.2	-2.10	5 55—6 0	-2.10
1		13.7	-1.91	13 25—15 10	-1.98	11	M.-P.	7.2	-2.53	7 20—7 30	-2.53
1		15.4	-2.06			12	M.	14.5	-1.75	13 25—15 10	-1.75
1	M.-P.	17.6	-2.05	17 25—17 30	-2.05	14	L.-M.	7.7	+0.10	7 30—7 35	+0.10
1	M.	17.8	-2.38	17 48	-2.38	14	L.	13.3	-0.82	13 25—16 30	-0.84
1		19.2	-1.87	19 12	-1.87	14		17.0	-0.87	18 0—18 5	-0.85
1	P.	1.2	-1.38	1 25—1 30	-1.38	14		18.3	-0.83		
1		5.6	-0.66	5 15—5 20	-0.66	14	M.	1.8	-0.89	1 25—1 30	-0.89
1	P.-M.	6.5	-0.99	6 40—6 50	-0.99	14		6.5	-0.05	6 10—6 15	-0.05
2	P.	13.7	-1.44	13 25—16 10	-1.48	14	M.-P.	7.4	+0.02	7 35—7 40	+0.02
2		16.4	-1.53	18 0—19 25	-1.36	15	M.	16.6	-1.12	15 50—19 0	-1.04
2		19.3	-1.19			15		18.7	-0.97		
2	L.	5.6	-0.73	5 20—5 25	-0.73	15	P.	1.1	-0.85	0 55—1 30	-0.85
3	L.-M.	6.9	-0.46	6 45—6 50	-0.46	16	L.	1.2	-2.45	0 55—1 30	-2.45
3	L.	13.7	-0.78	13 42	-0.78	16		6.7	-1.72	6 25—6 30	-1.72
3		16.1	0.00	16 6	0.00	17	L.-M.	7.6	-1.62	7 40—7 50	-1.62
3		20.2	-0.23	18 50—20 0	-0.12	17	L.	13.3	-1.93	13 25—16 30	-1.68
4	M.	19.0	-1.74	19 0	-1.74	17		17.2	-1.44	17 20—19 0	-1.40
4		20.1	-1.20	20 6	-1.20	17		18.7	-1.37		
4	M.-P.	20.8	-1.11	20 35—20 40	-1.11	18	M.	1.2	-1.79	0 55—1 30	-1.79
6	L.	21.8	-5.38	22 0—22 50	-5.36	19	P.	1.2	-2.92	0 55—1 30	-2.92
6		23.2	-5.33			19		7.0	-1.44	6 50—6 55	-1.44
7	L.-M.	7.3	-1.55	7 0—7 10	-1.55	20	M.	1.2	-2.61	0 55—1 30	-2.61
7	L.	13.2	-1.83	13 12	-1.83	20		7.2	-1.97	6 55—7 0	-1.97
7		16.7	-2.56	16 42	-2.56	20	M.-P.	7.8	-1.76	8 0—8 5	-1.76
7	M.	23.2	-2.14	23 20—1 30	-2.10	23	P.	7.2	-1.97	7 20—7 25	-1.97
7		0.7	-2.07			23	P.-M.	8.0	-2.16	8 10—8 15	-2.16
7	M.	5.9	-1.43	5 35—5 40	-1.43	24	P.	9.7	-1.82	9 45—9 50	-1.82
8	M.-P.	7.2	-1.78	7 5—7 10	-1.78	24		12.7	-1.75	12 55—16 30	-1.94
8	M.	8.2	-1.46	8 30—8 35	-1.46	24		16.6	-2.12	17 20—19 0	-1.92
8		13.8	-1.37	12 55—16 10	-1.30	24		19.4	-1.72		
8		16.3	-1.24								

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1909 July		h	"	h m h m	"	1909 Aug.		h	"	h m h m	"
25	P.	12.7	-1.51	12 55—15 35	-1.48	5	P.-L.	9.2	-0.17	8 55—9 5	-0.17
25		15.7	-1.45			5	P.	0.4	-1.65	0 24	-1.65
25	M.	1.2	-1.32	0 55—1 30	-1.32	5		3.6	-0.73	3 36	-0.73
25		7.9	-1.39	7 40—7 45	-1.39	6	L.	13.9	-0.33	13 54	-0.33
26		10.3	-1.70	9 55—10 0	-1.70	6		17.3	-0.95	17 18	-0.95
26		12.6	-1.68	12 55—13 0	-1.68	6		19.9	-0.74	17 20—19 45	-0.84
27	P.-M.	8.6	-2.78	8 20—8 30	-2.78	6		0.9	-0.67	0 55—3 25	-0.60
27						6		3.2	-0.53		
27	P.	15.4	-3.10	15 45—17 25	-3.02	7	P.-L.	9.2	-0.87	9 5—9 25	-0.87
27		17.5	-2.94	17 35—19 25	-2.94	7	P.	13.7	-1.10	13 42	-1.10
27		19.7	-2.93			7		16.6	-1.85	16 36	-1.85
27	M.	1.2	-2.83	1 25—1 30	-2.83	7		19.8	-1.43	16 45—19 35	-1.64
27		7.5	-2.44	7 55—8 0	-2.44	7		1.0	-1.79	1 0	-1.79
27	M.-P.	8.2	-2.73	8 25—8 35	-2.73	7		3.6	-1.11	3 33	-1.11
28	M.	12.7	-3.16	13 25—13 30	-3.16	8	L.	1.8	-1.52	1 25—4 0	-1.36
28		15.3	-3.41	15 30—17 15	-3.40	8		4.3	-1.19		
28		17.4	-3.39	17 35—19 25	-3.42	8	L.-P.	9.6	-0.34	10—9 40	-0.34
28		18.7	-3.44			9	L.	16.7	-1.38	16 45—19 5	-1.22
28	P.	1.7	-3.13	1 25—1 30	-3.13	9		19.2	-1.06	2 50—2 55	-0.82
28		8.3	-3.21	8 5—8 10	-3.21	9		3.2	-0.82		
28	P.-L.	8.4	-3.15	8 30—8 35	-3.15	10	P.-L.	9.5	+0.17	15—9 50	+0.17
29	P.	10.1	-3.48	10 10—10 15	-3.48	10	P.	16.3	+1.15	16 25—19 15	+1.22
29		13.1	-3.70	13 6	-3.70	10		19.4	+1.30		
29		16.9	-4.47	16 54	-4.47	16	P.-L.	9.9	-0.75	9 40—9 45	-0.75
29		18.2	-3.96	18 12	-3.96	16	P.	15.0	-0.08	15 0	-0.08
29	M.	7.9	-2.49	8 15—8 20	-2.49	16		17.0	-0.73	17 3	-0.73
29	M.-L.	8.4	-3.29	8 35—8 40	-3.29	16		18.5	-0.88	17 10—18 20	-0.80
30	M.	13.8	-0.20	13 25—13 30	-0.20	17	L.-P.	10.0	-0.60	40—9 50	-0.60
30		15.1	-0.51	15 30—16 20	-0.51	17	L.	15.1	-1.17	14 50—14 55	-1.17
30		16.8	-0.43	16 48	-0.43	19	L.-P.	10.1	-0.09	9 50—10 50	-0.09
30		19.5	+0.15 ¹	19 30	+0.15	19	L.	12.9	-0.45	11 45—13 30	-0.45
30	L.-P.	8.4	+0.86	8 35—8 45	+0.86	19		16.3	-0.88	15 20—19 15	-0.92
Aug. 1	P.	19.0	-0.42	19 15—21 15	-0.28	19		19.2	-0.97		
1		21.4	-0.15			19		23.9	-0.71	0 10—3 50	-0.71
1	L.	1.7	-0.71	1 25—3 25	-0.50	19		3.6	-0.71		
1		3.7	-0.30			20	P.-L.	10.1	-0.29	9 55—10 0	-0.29
1	L.-P.	9.0	+0.24	8 45—8 50	+0.24	20	P.	11.1	-0.27	10 55—11 55	-0.27
2	L.	15.2	-0.39	14 50—18 20	-0.32	20	L.	6.4	-0.73	10 0—6 5	-0.73
2		18.7	-0.25	18 50—22 50	-0.26	21	L.-P.	10.2	-0.71	9 55—10 5	-0.71
2		22.6	-0.27			21					
2	P.	1.8	-0.66	1 25—2 55	-0.42	21	L.	13.2	-0.43	11 0—12 0	-0.43
2		3.1	-0.19			21		15.7	-0.42	13 25—15 50	-0.42
3	P.-L.	9.0	-0.17	8 50—8 55	-0.17	21		19.4	-0.57	17 20—19 15	-0.50
4	L.-P.	9.1	-0.55	8 55—9 0	-0.55	21		1.2	-1.09	0 10—1 30	-1.09
4	L.	13.7	-0.66	13 25—16 50	-0.85	22	P.	13.8	-0.55	14 45—16 35	-0.75
4		17.0	-1.04	17 10—19 45	-1.12	22		16.7	-0.95	10 10—1 30	-1.48
4		20.0	-1.20			22		23.9	-1.50		
4		23.6	-1.12	23 55—2 55	-0.94	22		2.9	-1.45		
4		3.5	-0.77			23	L.-P.	10.3	-0.56	10 5—10 10	-0.56

¹ One micrometer reading changed from 46.775 to 46.675 rev.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1909 Aug. 23	L.	h 11.9	" -1.28	h m h m 11 10—12 5	" -1.28	1909 Sept. 5	M.	h 5.2	" -3.97	h m h m 4 25—5 25	" -3.97
23		15.2	-1.69	15 20—19 25	-1.81	6	P.	5.1	-3.87	5 6	-3.87
23		19.5	-1.93			6		6.9	-3.20	6 54	-3.20
23		3.6	-1.87	3 36	-1.87	7	P.-M.	11.2	-3.95	11 0—11 5	-3.95
23		5.9	-1.02	5 54	-1.02	7	P.	12.2	-4.19	12 30—13 15	-4.19
24	P.-L.	10.3	-1.59	10 10—10 15	-1.59	7		16.6	-5.19	16 36	-5.19
24	P.	11.5	-1.57	11 20—12 10	-1.57	7		19.9	-4.68	19 54	-4.68
24		15.5	-2.07	15 20—18 35	-2.24	8	L.-M.	11.2	-3.75	11 5—11 10	-3.75
24		18.6	-2.40	18 50—19 45	-2.46	8	L.	12.4	-3.94	12 35—12 40	-3.94
24		20.0	-2.52			8		16.5	-4.81	16 55—20 0	-4.67
24		3.2	-2.37	3 12	-2.37	8		20.1	-4.53	20 10—22 10	-4.50
24		5.8	-1.76	5 51	-1.76	8		22.3	-4.47		
25	L.-P.	10.4	-1.58	10 10—10 20	-1.58	10	L.	4.7	-3.92	4 55—6 5	-3.77
25	L.	11.6	-1.90	11 25—11 30	-1.90	10		6.9	-3.62		
25		15.3	-2.61	15 20—18 55	-2.68	11	L.-M.	11.1	-3.25	11 15—11 20	-3.25
25		18.8	-2.74			11	L.	16.5	-3.53	16 55—20 15	-3.48
25		3.5	-2.07	3 20—3 50	-2.07	11		20.1	-3.43		
26	P.	17.7	-1.91	17 42	-1.91	12	M.	4.8	-3.81	4 55—5 55	-3.81
26		19.3	-1.11	19 18	-1.11	13	L.-P.	11.6	-3.15	11 20—11 30	-3.15
26		0.0	-1.01	0 10—1 30	-1.00	13	L.	13.2	-3.65	12 55—13 40	-3.65
26		1.7	-0.98			13		17.2	-3.97	17 20—23 0	-3.89
27	L.-P.	10.5	-0.42	10 20—10 25	-0.42	13		20.1	-3.78		
27	L.	11.8	-0.41	11 35—11 40	-0.41	13		22.5	-3.92		
27		15.6	-0.38	15 20—20 0	-0.32	14	P.-M.	11.7	-3.05	11 25—11 30	-3.05
27		19.9	-0.26	3 20—3 50	-0.81	14	P.	13.2	-3.63	13 0—13 45	-3.63
27		3.7	-0.81			14		16.6	-3.94	16 55—19 35	-4.15
Micrometer removed for repairs.						14		19.7	-4.36	19 55—22 10	-4.28
29	M.-P.	10.3	-1.76	10 30—10 35	-1.76	14		22.4	-4.21	22 25—1 50	-4.22
30	M.	12.1	-1.79	11 50—13 30	-1.79	14		2.0	-4.22		
30		17.0	-1.88	17 20—19 45	-1.77	14	M.	4.8	-4.34	4 48	-4.34
30		19.9	-1.66			14		6.9	-3.82	6 54	-3.82
30	M.-P.	22.5	-1.90	22 40—22 45	-1.90	15	M.-P.	11.7	-3.15	11 30—11 35	-3.15
30	M.	23.0	-1.87	23 5—1 30	-2.04	15	M.	16.7	-3.89	16 42	-3.89
30		0.9	-2.22			15		18.7	-4.66	18 42	-4.66
31	P.-M.	10.8	-1.49	10 35—10 40	-1.49	17	M.	13.5	-3.58	13 10—13 55	-3.58
31	P.	17.0	-2.33	17 20—19 45	-2.20	17		17.5	-4.05	16 55—18 55	-4.07
31		20.0	-2.08			17		18.7	-4.09		
31		0.0	-1.90	23 40—23 45	-1.90	17		0.1	-3.95	0 15—1 50	-3.85
Sept. 1	L.-M.	10.5	-3.07	10 35—10 45	-3.07	17		1.6	-3.75		
1	L.	13.7	-3.65	13 25—13 30	-3.65	17	P.	4.6	-4.20	4 55—6 40	-4.22
1		17.2	-3.14	16 55—19 45	-3.18	17		6.8	-4.24		
1		19.9	-3.23			17	P.-M.	11.6	-3.35	11 40—13 20	-3.35
1		0.1	-3.53	0 10—1 30	-3.70	18	P.	13.9	-1.43	13 55—14 0	-1.43
1		4.8	-3.88	4 48	-3.88	18		16.6	+0.12	16 36	+0.12
1		6.8	-2.84	6 48	-2.84	18		19.2	-0.97	19 12	-0.97
1	M.-P.	10.5	-3.18	10 40—10 50	-3.18	18		23.7	-1.19	0 0—1 50	-1.05
2	M.	12.7	-3.58	12 5—13 30	-3.58	18		1.6	-0.91		
2		17.1	-3.07	17 20—19 35	-3.02	18		5.4	-0.86	4 55—6 5	-0.86
2		19.8	-2.96			19	M.	5.2	-2.13	5 12	-2.13
2		0.0	-3.32	0 20—1 40	-3.48	19		6.8	-1.42	6 48	-1.42
2		2.0	-3.65								
4	L.-M.	11.0	-3.10	10 50—10 55	-3.10						

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		^h	["]	^h ^m ^h ^m	["]			^h	["]	^h ^m ^h ^m	["]
1909 Sept. 20	M.-P.	12.0	-0.45	11 45—11 55	-0.45	1909 Oct. 1	M.	17.0	-2.55	17 20—19 15	-2.67
21	P.	16.7	-0.71	16 42	-0.71	1		18.7	-2.79		
21		19.0	-1.34	19 3	-1.34	1		23.8	-3.39	23 48	-3.39
22	M.	16.6	-2.79	17 5—18 55	-2.92	1	L.	2.3	-2.74	2 18	-2.74
22		19.1	-3.04			1		5.0	-2.80	4 45—7 0	-2.86
23	P.-M.	12.2	-2.41	11 55—12 5	-2.41	1		6.8	-2.92		
23	P.	13.8	-1.67	13 25—13 30	-1.67	2	L.-M.	12.7	-2.23	12 30—12 35	-2.23
23		16.7	-2.52	16 55—19 15	-2.60	2	L.	17.8	-3.07	17 20—19 15	-3.04
23		19.4	-2.68			2		19.6	-3.00		
24	M.	19.4	-2.91	19 5—20 20	-2.91	2	P.	2.7	-3.28	3 5—5 35	-3.10
24	P.	4.6	-3.00	4 55—6 40	-3.04	2		5.7	-2.92		
24		7.0	-3.07			4	M.-P.	12.8	-2.61	12 35—12 45	-2.61
25	P.-M.	12.2	-2.29	12 5—12 10	-2.29	4	M.	17.1	-2.63	17 6	-2.63
25						4		18.6	-3.45	18 36	-3.45
25	P.	13.8	-2.44	13 30—13 35	-2.44	4	P.	3.7	-3.08	4 5—7 0	-3.29
25		16.7	-2.43	16 42	-2.43	4		6.8	-3.50		
25		19.5	-3.00	19 30	-3.00	5	P.-M.	12.8	-2.42	12 40—12 45	-2.42
25		22.2	-2.92	19 55—22 10	-2.96	5					
26	P.	22.0	-3.25	21 40—23 5	-3.27	5	P.	15.4	-3.23	15 15—15 20	-3.23
26		23.3	-3.29	23 35—1 50	-3.14	5		17.0	-2.89	17 0	-2.89
26		2.0	-2.99			5		19.4	-3.53	19 27	-3.53
26	M.	4.8	-2.87	4 55—6 25	-2.98	5	L.	4.7	-2.95	4 45—7 15	-2.92
26		6.8	-3.08			5		7.6	-2.90		
27	M.-P.	12.3	-2.39	12 10—12 20	-2.39	6	L.-M.	12.9	-2.46	12 45—12 50	-2.46
27	P.	4.8	-3.49	4 48	-3.49	6	L.	17.2	-2.95	17 12	-2.95
27		6.8	-2.75	6 45	-2.75	6		19.5	-3.42	19 30	-3.42
28	P.-M.	12.5	-2.71	12 15—12 20	-2.71	6	M.	5.0	-3.09	4 30—7 0	-3.02
28						6		7.4	-2.94	8 0—8 5	-2.94
28	P.	14.2	-2.47	13 35—14 45	-2.47	7	M.-P.	13.0	-2.30	12 45—12 55	-2.30
28		17.0	-2.87	17 0	-2.87	7					
28		19.9	-3.40	19 54	-3.40	7	M.	17.0	-2.93	17 0	-2.93
28		23.2	-3.40	20 10—23 0	-3.40	7		18.6	-3.64	18 36	-3.64
28		2.2	-2.79	23 9	-3.40	7	P.	5.0	-3.32	4 30—7 15	-3.16
28				2 12	-2.79	7		7.5	-3.01	8 55—9 0	-2.12
29	L.-P.	12.5	-2.49	12 20—12 25	-2.49	7		9.2	-2.12		
29	L.	13.5	-3.22	13 35—13 40	-3.22	8	P.-M.	12.8	-1.97	12 50—13 0	-1.97
29		17.8	-3.75	17 20—19 15	-3.80	8					
29		19.6	-3.85			8	P.	15.8	-2.47	15 51	-2.47
29		22.9	-3.77	22 55—1 50	-3.70	8		18.6	-3.31	18 36	-3.31
29		1.5	-3.62			8	L.	4.9	-2.71	4 30—7 15	-2.90
29	P.	5.1	-3.79	5 20—6 40	-3.58 ¹	8		7.5	-3.09		
29		7.0	-3.38			9	L.-M.	13.1	-2.17	12 55—13 0	-2.17
30	P.-M.	12.6	-2.86	12 20—12 30	-2.86	9	L.	15.9	-2.46	15 54	-2.46
30	P.	13.5	-2.36	13 35—13 40	-2.36	9		18.8	-3.07	18 48	-3.07
30		15.2	-2.97	14 50—14 55	-2.97	11	P.	5.0	-2.71	4 30—7 15	-2.74
30		16.9	-2.76	16 54	-2.76	11		7.4	-2.76		
30		19.5	-3.60	19 30	-3.60	12	P.-M.	13.2	-2.42	13 5—13 15	-2.42
30		23.7	-3.73	0 0—2 10	-3.59	12	P.	16.6	-2.71	16 36	-2.71
30		2.6	-3.45			12		19.4	-3.33	19 27	-3.33
30	M.	5.0	-2.83	5 20—7 0	-2.73						
30		6.8	-2.63								
Oct. 1	M.-L.	12.6	-2.89	12 25—12 30	-2.89						

¹ Used -1".15 for α Orionis; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1909 Oct. 12	L.	4.4	-2.82	4 24	-2.82	1909 Oct. 25	P.-M.	13.9	-1.81	14 0—14 5	-1.81
12		7.6	-2.28	7 36	-2.28	26	P.	17.2	-4.02	17 0—17 5	-4.02
13	L.-M.	13.4	-2.19	13 10—13 15	-2.19	26		19.5	-4.41	17 20—19 15	-4.22
13	L.	17.5	-2.79	17 20—20 10	-2.84	26		22.3	-4.31	19 45—22 10	-4.36
13		20.5	-2.89			26		1.4	-3.99	22 35— 1 15	-4.15
15	P.-M.	13.4	-2.43	13 15—13 25	-2.43	26	L.	4.8	-3.80	4 30— 8 15	-3.90
15	P.	16.8	-2.68	16 51	-2.68	26		8.0	-3.99		
15		19.2	-3.38	19 12	-3.38	26		13.2	-2.76	12 55—13 0	-2.76
18	M.-P.	13.6	-2.11	13 30—13 35	-2.11	27	L.-M.	14.2	-2.91	14 0—14 10	-2.91
18	P.	13.0	-2.51	12 45—12 50	-2.51	27	L.	23.1	-3.85	23 10— 1 50	-3.75
18	P.-M.	13.4	-2.35	13 30—13 40	-2.35	27		1.7	-3.65		
19	P.	16.7	-2.99	16 25—16 30	-2.99	27	M.	5.1	-3.96	5 20— 7 15	-3.74
19		19.4	-3.33	17 20—20 10	-3.16	27		7.5	-3.53		
19	M.	4.9	-2.88	4 30— 8 15	-2.66	28	M.-P.	14.3	-2.97	14 5—14 15	-2.97
19		7.6	-2.43			28	M.	17.2	-2.89	16 55—20 50	-3.11
19		13.2	-2.26	12 45—12 50	-2.26	28		20.4	-3.33		
19	M.-P.	13.4	-2.45	13 35—13 45	-2.45	28		2.0	-2.99	1 10— 2 0	-2.99
20	M.	17.0	-2.87	17 0	-2.87	28	M.-P.	2.1	-3.11	2 25— 2 35	-3.11
20		19.7	-3.45	19 42	-3.45	28	M.	4.4	-2.11	4 24	-2.11
21	P.-M.	13.8	-1.98	13 40—13 45	-1.98	28	P.	5.1	-3.05	4 50— 8 15	-2.84
21	P.	17.1	-2.92	17 6	-2.92	28		7.6	-2.64		
21		19.0	-3.61	19 0	-3.61	28		13.3	-1.66	13 5—13 10	-1.66
21	M.	4.9	-3.13	5 20— 7 0	-3.20	28	P.-M.	13.9	-1.76	14 10—14 15	-1.76
21		7.3	-3.26			29	P.	17.0	-2.60	17 15—22 10	-2.60
21		13.3	-2.51	12 45—12 50	-2.51	29		19.6	-2.61		
21	M.-P.	13.5	-2.49	13 45—13 50	-2.49	29		22.2	-2.59		
22	M.	17.2	-1.88	16 40—16 45	-1.88	29	L.	0.6	-2.74	0 55— 3 45	-2.52
22				16 50—20 10	-2.08	29		3.8	-2.31	3 55— 7 0	-2.24
22		20.2	-2.28	20 20—22 10	-2.36	29	L.-M.	6.9	-2.17		
22		22.2	-2.44	22 25— 0 10	-2.51	29		13.2	-1.66	14 15—14 20	-1.66
22		0.5	-2.58	1 10— 1 15	-2.58	30	L.	17.8	-2.92	17 35—20 15	-3.08
23	L.-P.	14.0	-1.75	13 45—13 55	-1.75	30		20.5	-3.25		
24	P.	22.3	-2.62	22 40— 1 50	-2.54	30	P.	0.5	-2.90	0 55— 3 30	-3.00 ¹
24		1.0	-2.49			30		3.6	-3.09	3 40— 6 20	-3.24
24		2.2	-2.50			30		6.4	-3.39	6 55— 8 10	-3.45
24	M.	5.0	-2.32	5 20— 6 45	-2.24	30		8.4	-3.51		
24		7.5	-2.17			31	M.	5.2	-3.00	5 20— 9 25	-3.24
24		13.3	-1.86	12 50—12 55	-1.86	31		8.4	-3.49		
24	M.-P.	13.8	-1.58	13 55—14 0	-1.58	31	M.-L.	14.3	-3.00	14 20—14 30	-3.00
25	M.	17.1	-2.34	17 6	-2.34	Nov. 1	M.	17.1	-5.42	17 6	-5.42
25		19.5	-3.01	19 30	-3.01	1		18.7	-6.12	18 42	-6.12
25		22.7	-3.19	19 45—20 15	-3.10	1	P.	5.1	-5.69	6 40— 8 10	-5.51
25		1.5	-2.89	22 55— 1 50	-3.04	1		8.4	-5.33		
25	P.	5.0	-2.55	5 20— 7 15	-2.50 ¹	1		13.6	-5.23	13 25—13 30	-5.23
25		7.6	-2.44	7 45— 8 50	-2.36	1	P.-M.	14.4	-5.11	14 25—14 30	-5.11
25		9.0	-2.27			2	P.	17.2	-5.71	17 12	-5.71
25		13.1	-2.23	12 55—13 0	-2.23	2		20.4	-6.29	20 27	-6.29

¹ Used 5".22 for γ Canis Majoris; reduced with two microscopes.² Used -0".30 for γ Ceti; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1909 Nov. 2	L.	h 13.7	" -4.62	h m h m 13 30—13 35	" -4.62	1909 Nov. 20	L.	h 21.0 22.6	" -4.40 -4.41	h m h m 20 45—22 45	" -4.40
3	L.-M.	14.4	-4.64	14 30—14 35	-4.64	21	P.	21.9 23.7	-5.19 -5.41	22 25—23 25	-5.30
3	M.	5.2	-4.86	5 12	-4.86	21	M.-P.	15.7	-4.17	15 45—15 55	-4.17
3		8.4	-4.16	8 24	-4.16	22	M.	21.0 23.8	-4.93 -4.77	20 45—0 15	-4.85
3		13.8	-4.07	13 35—13 40	-4.07	22	P.	5.0 6.4	-4.73 -4.74	5 15—5 55	-4.74
3	M.-L.	14.4	-4.10	14 35—14 40	-4.10	25	M.	2.1	-4.01	1 45—3 0	-4.01
4	M.	18.6 21.0	-4.01 -3.88	17 35—21 30	-3.94	25	P.	5.2 7.4 10.8	-4.45 -4.25 -4.53	5 20—7 15 8 40—10 40	-4.35 -4.39
4	L.	5.1	-4.21	5 6	-4.21	25	P.-M.	16.0	-1.31	15 50—16 10	-1.31
4		9.7	-3.47	9 42	-3.47	26	P.	20.5 23.2	-2.65 -2.11	20 45—23 5	-2.38
4		13.9	-3.97	13 40—13 45	-3.97	26	L.	3.4 6.2	-2.23 -1.39	3 24 6 12 6 15—8 55	-2.23 -1.39 -1.46
5	L.-M.	14.5	-4.02	14 35—14 45	-4.02	26		9.1 11.5	-1.54 -0.87	9 6 11 30	-1.54 -0.87
5	L.	17.8 21.9	-3.85 -3.89	17 20—22 10	-3.87	26	L.-M.	16.3	-1.53	15 55—16 15	-1.53
Nov. 8, bearing surfaces of the wyes reground and counterpoise weights adjusted.						27	L.	19.9 22.2	-2.30 -2.54	20 45—22 25	-2.42
10	L.-M.	15.2	+4.84	14 55—15 5	+4.84	27	P.	4.2 6.5	-1.97 -1.76	4 30—6 20	-1.86
10	L.	20.5 22.0	-4.30 -3.95	20 5—22 10	-4.12	28	M.	5.1	-1.83	4 55—6 25	-1.73
10	M.	5.0	-3.95	5 20—8 15	-3.85	28	M.-P.	5.9	-1.71	8 5—6 10	-1.71
10		8.4	-3.75	8 35—10 25	-3.66	28	M.	6.6	-1.63		
10		10.5	-3.57			28	M.-P.	16.1	-1.55	16 15—16 25	-1.55
10		14.7	-3.81	14 15—14 20	-3.81	29	M.	21.0 23.6	-1.92 -1.82	20 45—23 25	-1.87
10	M.-L.	14.9	-3.62	15 0—15 10	-3.62	29	P.	5.0 7.4 10.8 21.1 0.0	-1.82 -0.72 -0.83 -1.41 -1.41	5 0 7 27 7 35—11 0 21 20—23 40	-1.82 -0.72 -0.78 -1.41
11	M.	21.0 22.3	-4.88 -4.93	20 5—22 5	-4.90	30	L.	5.0 7.6 10.6	-0.89 -0.88 -0.98	5 20—6 20 7 55—10 25	-0.88 -0.93
11	L.	5.1	-4.82	5 20—6 20	-4.82	30	L.-M.	16.7	-0.11	16 25—16 30	-0.11
11		5.1	-7.29 ¹			Dec. 1	L.	21.9 23.8	-0.89 -0.93	21 35—23 30	-0.91
11		9.2	-6.96 ¹	8 5—9 25	-7.12	1	M.	6.1 8.5 10.6	-1.16 -0.41 -0.73	6 6 8 30 8 45—11 0	-1.16 -0.41 -0.57
11		14.6	-3.92	14 20—14 25	-3.92	1	M.-P.	16.6	-0.56	16 30—16 35	-0.56
12	L.-M.	15.0	-3.60	15 5—15 15	-3.60						
12	L.	20.4 22.3	-4.44 -4.61	20 5—22 5	-4.52						
12	M.	5.0	-4.12	5 15—6 20	-4.06						
12		8.4	-3.99	8 24	-3.99						
12		10.6	-3.44	10 36	-3.44						
12		14.3	-3.32	14 25—14 30	-3.32						
12	M.-L.	15.0	-3.56	15 10—15 15	-3.56						
13	M.	20.4 22.2	-3.71 -3.85	20 5—22 5	-3.78						
15	M.	5.1 9.1	-3.36 -3.07	5 15—9 30	-3.22						
15	M.-L.	15.2	-2.62	15 20—15 30	-2.62						
19	P.	20.8 22.2	-3.05 -3.11	21 0—22 5	-3.08						
19	L.	5.2 9.9	-2.98 -2.85	5 20—10 25	-2.92						
19	L.-M.	15.5	-2.42	15 40—15 45	-2.42						

¹ Two microscopes used.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1909 Dec. 2	M.	^h 22. 2	["] -1. 12	^h ^m ^h ^m 22 25—23 20	["] -1. 12	1909 Dec. 17	L.	^h 21. 7	["] +2. 81	^h ^m ^h ^m 20 55—21 0	["] +2. 81
2	P.	10. 4	-1. 26	10 0—11 10	-1. 20	17		4. 9	+2. 79	5 20— 7 40	+2. 92
2		11. 4	-1. 13			17		7. 9	+3. 05		
3	P.-M.	16. 8	-1. 51	16 35—16 40	-1. 51	17	M.	10. 7	+3. 02	10 20—13 0	+2. 99
3	P.	21. 9	-2. 19	22 20—23 40	-2. 11	17		12. 7	+2. 96		
3		23. 9	-2. 03			18	M.-P.	17. 8	+2. 99	17 40—17 45	+2. 99
3	L.	5. 1	-1. 66	5 20— 8 55	-1. 67	18	M.	23. 2	+2. 70	22 55—23 0	+2. 70
3		9. 1	-1. 68	9 25—11 40	-1. 66	18		1. 1	+2. 51	23 25— 1 50	+2. 60
3		11. 8	-1. 63			20	M.	0. 6	+2. 69	0 10— 1 50	+2. 95
3	L.-M.	16. 5	-0. 03	16 40—16 45	-0. 03	20		2. 1	+3. 21		
4	L.	22. 2	-1. 95	22 20—23 40	-1. 97	20	P.	12. 0	+3. 50	11 25—13 0	+3. 50
4		23. 9	-1. 99			21	P.-M.	18. 1	+3. 39	17 55—18 0	+3. 39
4	P.	9. 6	-1. 07	10 0—11 40	-0. 99	21	P.	18. 8	+2. 98	18 40—18 45	+2. 98
4		11. 8	-0. 91			21		23. 2	+1. 91	23 25— 2 0	+2. 10
5	M.	6. 0	-1. 03	5 20— 6 20	-1. 02	21		2. 3	+2. 30		
5		9. 6	-1. 02	9 36	-1. 02	21		4. 8	+2. 66	5 20— 6 20	+2. 64
5		11. 6	-0. 02	11 36	-0. 02	21		6. 7	+2. 62		
6	L.	5. 1	-0. 16	5 20— 5 50	-0. 06	22	L.-M.	18. 2	+3. 01	17 55—18 5	+3. 01
6		9. 9	+0. 03			22	L.	19. 0	+2. 84	18 45—18 50	+2. 84
7	M.	14. 1	+0. 32	13 50—13 55	+0. 32	22		21. 1	+2. 55	21 10—21 15	+2. 55
8		20. 6	-0. 84	20 20—20 25	-0. 84	22		23. 8	+2. 06	23 25— 2 55	+2. 18
8		23. 8	-0. 64	22 15— 0 15	-0. 74	22		3. 1	+2. 30		
9	L.-P.	16. 8	+0. 52	17 0—17 5	+0. 52	22		5. 0	+2. 40	5 20— 5 55	+2. 58
9						22		6. 4	+2. 76		
9	L.	22. 6	-0. 17	22 15— 0 40	-0. 07	22	M.	11. 8	+2. 99	11 25—13 0	+2. 99
9		1. 0	+0. 03			23		18. 5	+3. 47	18 55—19 0	+3. 47
9		6. 1	+0. 43	5 15— 6 20	+0. 43	23	P.	11. 9	+3. 20	11 25—13 30	+3. 20
9	M.-P.	16. 8	+0. 84	17 5—17 10	+0. 84	23	P.-M.	18. 0	+4. 09	18 5—18 15	+4. 09
10	M.	6. 0	+0. 06	5 20— 6 20	+0. 06	24	P.	18. 9	+4. 05	19 0—19 5	+4. 05
10		10. 5	-0. 05	10 20—12 30	-0. 01	24		23. 2	+2. 98	23 25— 2 0	+3. 22
10		12. 7	+0. 03			24		2. 2	+3. 46	2 30— 4 35	+3. 47
10	L.-P.	17. 4	+0. 14	17 10—17 35	+0. 14	24		4. 8	+3. 48		
13	M.-L.	17. 2	+2. 19	17 20—17 30	+2. 19	26	M.-P.	6. 8	+4. 02	6 35— 6 45	+4. 02
14	M.	21. 0	+1. 56	20 45—20 50	+1. 56	26	M.	8. 1	+4. 45	6 55— 8 0	+4. 45
14		23. 8	+1. 84	23 25—23 30	+1. 84	26		12. 5	+4. 24	11 25—13 30	+4. 24
14		4. 8	+2. 07	5 0— 6 20	+2. 16	27	P.	8. 0	+4. 90	7 40— 7 45	+4. 90
14		6. 1	+2. 26			28	P.-L.	18. 6	+4. 08	18 25—18 30	+4. 08
15	L.-M.	17. 7	+3. 20	17 25—18 5	+3. 20	28	P.	23. 4	+3. 58	23 35— 2 0	+3. 46
15	L.	4. 9	+4. 00	5 0— 5 55	+4. 00	28		2. 1	+3. 35		
16	M.-P.	17. 7	+3. 52	17 30—17 40	+3. 52	28	L.	4. 9	+3. 85	5 20— 8 15	+4. 00
16	M.	20. 8	+2. 83	20 50—20 55	+2. 83	28		8. 4	+4. 15		
16		23. 8	+2. 57	23 25— 1 0	+2. 57	29	L.-M.	18. 7	+3. 77	18 30—18 35	+3. 77
16		5. 0	+3. 64	5 20— 7 15	+3. 77	29	L.	1. 2	+2. 95	0 55— 2 0	+2. 95
16		7. 5	+3. 90			30	M.-P.	18. 7	+3. 51	18 35—18 40	+3. 51
16	L.	11. 0	+3. 63	11 10—13 0	+3. 77	30	M.	1. 2	+3. 66	0 50— 2 0	+3. 66
16		12. 7	+3. 91								
17	L.-P.	17. 8	+3. 67	17 35—18 15	+3. 67						

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1909		h	"	h m h m	"	1910		h	"	h m h m	"
Dec. 31	P.-M.	18.8	+3.96	18 35—18 45	+3.96	Jan. 19	M.	14.3	+4.04	13 25—15 10	+4.04
31	P.	23.4	+3.78	23 24	+3.78	20		1.6	+3.80	1 25—4 10	+3.72
31		2.4	+3.26	2 21	+3.26	20		3.9	+3.63		
31		4.9	+3.50	5 20—7 20	+3.56	22	M.	6.8	+5.44	6 10—7 25	+5.44
31		7.2	+3.62			23	P.	4.8	+4.57	5 20—7 25	+4.63
31	M.	11.6	+4.03	10 55—11 45	+4.03	23		7.5	+4.69		
1910						24	P.-M.	20.2	+4.52	20 25—20 35	+4.52
Jan. 3	P.	4.9	+5.80	5 20—7 40	+6.04	25	P.	22.3	+3.96	22 0—22 5	+3.96
3		8.0	+6.29			25		1.2	+3.67	1 35—4 0	+3.76
3		10.4	+5.17	10 55—13 35	+5.29	25		4.2	+3.85	5 20—6 20	+4.00
3		13.8	+5.41			25		6.7	+4.16	11 55—9 20	+4.24
4	P.-M.	18.8	+4.54	18 55—19 0	+4.54	25		9.6	+4.32		
4	P.	22.0	+4.30	21 45—21 50	+4.30	25	L.	13.0	+4.51	13 25—14 55	+4.28
4		2.1	+4.95	2 40—4 10	+4.92	25		15.4	+4.04		
4		4.4	+4.89			26		6.9	+3.67	6 35—7 40	+3.67
6	P.-M.	19.0	+5.72	19 10—19 15	+5.72	26	M.	10.8	+3.43	10 0—15 25	+3.26
7	P.	20.4	+5.96	20 30—20 35	+5.96	26		14.6	+3.08		
7		22.3	+5.29	21 50—21 55	+5.29	27	P.	9.8	+3.37	10 15—12 0	+3.52
7		2.5	+5.35	2 30	+5.35	27		13.0	+3.67		
7		5.1	+5.75	5 6	+5.75	29	L.	6.8	+3.24	6 35—7 40	+3.24
7		7.9	+6.37	7 54	+6.37	29	P.	12.0	+3.40	12 25—15 50	+3.34
7	L.	11.1	+5.92	11 25—13 30	+5.80	29		16.0	+3.28		
7		13.7	+5.68			30	M.	13.9	+3.30	13 10—15 50	+3.35
8	L.-M.	19.0	+5.73	19 15—19 20	+5.73	30		15.5	+3.40		
8	L.	20.9	+5.27	20 35—20 40	+5.27	31	M.-P.	20.8	+2.74	20 55—21 0	+2.74
8		0.0	+5.17	23 35—2 15	+5.04						
8		2.5	+4.90	2 35—4 0	+4.99	Feb. 1	M.	21.7	+2.45	21 50—21 55	+2.45
8		5.1	+5.08	5 20—7 40	+5.22	1		1.1	+2.36	1 25—7 15	+2.33
8		7.5	+5.37			1		4.3	+2.31		
9	M.	13.1	+4.38	13 25—14 5	+4.38	1		6.7	+2.31		
9	M.-P.	19.2	+5.12	19 20—19 30	+5.12	1	P.	12.8	+2.51	13 35—15 50	+2.35
10	M.	21.0	+5.02	20 45—22 0	+5.02	1		16.0	+2.19		
10		0.9	+4.84	1 25—4 10	+4.82	1		20.2	+2.74	19 55—20 0	+2.74
10		4.3	+4.80	5 20—7 25	+4.92	1	P.-M.	20.7	+2.87	21 0—21 5	+2.87
10		6.8	+5.05			2	P.	21.8	+2.61	21 50—21 55	+2.61
10	P.	12.8	+5.16	12 10—14 5	+5.16	2		1.3	+1.73	1 45—4 0	+1.54
12	L.-M.	19.7	+5.38	19 30—19 35	+5.38	2		4.4	+1.36	5 20—7 15	+1.42
14	L.	11.8	+5.21	11 10—13 45	+5.38	2		6.7	+1.48		
14		14.3	+5.56			3	P.	14.9	+2.15	15 20—17 10	+2.24
15	L.-M.	19.5	+6.03	19 45—19 50	+6.03	3		17.4	+2.34		
15	L.	21.2	+3.27	20 55—21 0	+3.27	4	P.-L.	21.3	+1.70	21 5—21 50	+1.70
15		23.0	+3.28	22 0—23 35	+3.28	4	P.	2.8	+1.70	3 5—6 20	+1.87
15		1.2	+3.19	1 25—3 55	+3.24	4		6.0	+2.04		
15		5.0	+3.29	5 20—7 40	+3.33	4	L.	20.0	+2.67	19 50—19 55	+2.67
15		7.9	+3.37			5	L.-M.	21.4	+2.47	21 10—21 50	+2.47
16	P.	0.2	+3.06	0 25—7 25	+3.10	5	L.	3.3	+2.22	2 35—6 20	+2.15
16		2.4	+2.96			5		6.2	+2.08		
16		4.8	+3.26			7	P.	14.2	+1.69	14 35—16 15	+1.68
16		7.8	+3.12			8		16.5	+1.68		
18	L.	12.7	+3.09	12 42	+3.09	8	P.-M.	21.6	+1.17	21 20—21 40	+1.17
18		15.2	+3.66	15 12	+3.66						
19		1.7	+3.29	1 42	+3.29						
19		4.9	+3.75	4 54	+3.75						
19		7.5	+4.11	7 30	+4.11						

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1910 Feb. 14	P.	h 1.4	" +2.39	h m h m 1 24	" +2.39	1910 Mar. 5	L.-M.	h 23.2	" +5.72	h m h m 23 0—23 5	" +5.72
14		4.0	+1.75	3 57	+1.75	5	L.	4.5	+4.23	4 50—6 20	+4.16
15	P.	2.4	+2.37	2 24	+2.37	5		6.6	+4.08		
15		3.9	+1.97	3 54	+1.97	5	P.	12.4	+4.26	12 21	+4.26
16	P.	2.2	+0.97	2 30—3 55	+0.87	5		15.7	+4.90	15 42	+4.90
16		4.0	+0.77			5		17.6	+5.08	16 55—17 10	+4.99
17	P.	21.4	+2.19	21 15—21 20	+2.19	6	M.	21.9	+4.56	21 45—21 50	+4.56
17	P.-M.	21.9	+2.60	22 0—22 10	+2.60	6	M.-P.	22.9	+4.60	23 5—23 15	+4.60
18	P.	3.5	+4.53	3 30	+4.53	7	M.	4.4	+4.53	4 50—6 20	+4.64
18		6.1	+5.02	6 6	+5.02	7		6.0	+4.74		
18	L.	16.0	+5.34	15 5—18 55	+5.24	7	P.	22.0	+5.20	21 50—21 55	+5.20
18		18.7	+5.13			7	P.-M.	23.0	+5.26	23 10—23 15	+5.26
18		20.7	+5.26	20 20—21 15	+5.26	8	P.	4.4	+4.68	4 50—6 20	+4.51
19	L.-P.	22.0	+5.24	22 5—22 15	+5.24	8		6.6	+4.34		
19	L.	3.2	+4.66	3 12	+4.66	8	L.	21.3	+5.34	21 0—21 5	+5.34
19		7.4	+5.16	7 24	+5.16	9	L.-M.	23.4	+5.16	23 15—23 20	+5.16
22	P.	3.5	+5.52	3 20—6 20	+5.52	11	P.-M.	23.6	+5.60	23 20—23 30	+5.60
22		6.6	+5.51			13	M.	13.0	+4.26	12 45—14 20	+4.23
22		8.2	+5.91	8 40—10 30	+6.05	13		16.5	+4.20	16 30	+4.20
22		10.8	+6.19			13		18.6	+4.74	18 36	+4.74
22	L.	16.7	+6.47	16 50—18 35	+6.46	13	M.-P.	23.7	+4.87	23 30—23 40	+4.87
22		18.7	+6.46			14	M.	4.7	+4.26	5 20—6 20	+4.38
24	P.-M.	11.6	+5.30	11 20—11 30	+5.30	14		6.0	+4.49		
24	P.	12.2	+5.72	12 15—13 10	+5.51	14	L.	16.7	+3.76	16 55—18 55	+3.92
24		13.4	+5.30			14		18.7	+4.07		
24		15.5	+5.71	15 20—18 35	+5.88	15	L.-P.	23.8	+4.16	23 35—23 40	+4.16
24		19.0	+6.05	20 50—21 10	+5.43	15	L.	3.9	+3.84	4 55—6 20	+3.94
24		21.3	+5.43			15		6.5	+4.04		
24	P.-M.	22.2	+5.44	22 30—22 35	+5.44	15	M.	16.6	+4.15	16 36	+4.15
25	P.	4.0	+5.31	3 45—6 20	+5.18	15		18.6	+4.66	18 36	+4.66
25		6.7	+5.05			15		23.1	+4.95	22 40—22 45	+4.95
25		10.0	+5.08	10 25—12 20	+5.22	16		4.4	+4.18	4 30—6 20	+4.10
25		12.6	+5.37			16		6.0	+4.03		
25	L.	15.6	+5.52	15 20—18 35	+5.62	17	L.	5.2	+5.33	4 55—7 0	+5.24
25		18.7	+5.73			17		6.8	+5.16		
25		21.3	+6.04	21 0—21 5	+6.04	17	P.	16.6	+5.15	16 55—17 55	+5.24
26	L.-M.	22.4	+5.81	22 30—22 40	+5.81	17		18.6	+5.33	21 15—21 20	+5.71
26	L.	11.7	+5.41	11 20—13 35	+5.28	17	P.-M.	21.7	+5.71	23 45—23 55	+5.30
26		13.7	+5.14			17		23.6	+5.30		
Mar. 3	M.	4.3	+5.16	4 50—6 20	+5.18	18	P.	4.7	+4.33	5 5—7 0	+4.18
3		6.5	+5.19			18		7.4	+4.03		
3	P.	15.6	+5.03	15 39	+5.03	18	M.	16.7	+4.95	16 42	+4.95
3		18.8	+5.74	18 45	+5.74	18		18.6	+5.32	18 36	+5.32
3		21.3	+5.62	21 0—21 30	+5.62	18		21.6	+5.55	21 15—21 20	+5.55
3	P.-M.	22.8	+5.56	22 55—23 0	+5.56	18	M.-P.	23.7	+5.56	23 50—23 55	+5.56
4	P.	4.4	+4.62	4 50—6 20	+4.57	19	M.	4.9	+3.97	4 54	+3.97
4		6.7	+4.52			19		7.2	+3.57	7 12	+3.57
4	L.	12.1	+5.10	12 15—13 40	+5.22						
4		15.8	+5.34	16 5—18 55	+5.38						
4		18.6	+5.42								

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1910		h	"	h m h m	"	1910		h	"	h m h m	"
Mar. 20	M.	16.8	+4.31	17 5—18 55	+4.48	Apr. 2	P.	12.2	+2.83	12 50—13 40	+2.68
20		18.7	+4.64			2		14.0	+2.52		
20		21.6	+4.46	21 20—21 25	+4.46	5	P.-M.	1.0	+3.44	0 50—1 0	+3.44
20	M.-P.	23.8	+4.25	23 10—0 5	+4.25	5	L.	17.1	+2.02	17 20—19 0	+2.08
21	M.	4.8	+4.03	5 20—6 20	+4.06	5		19.3	+2.14		
21		6.7	+4.10	8 25—9 30	+3.98	6	M.	17.1	+1.92	17 6	+1.92
21		9.8	+3.86			6		18.7	+2.95	18 42	+2.95
21	P.	16.0	+3.81	16 5—18 55	+3.94	6		22.5	+2.93	22 10—22 15	+2.93
21		18.6	+4.07			7	P.	17.0	+1.54	17 0	+1.54
22	P.-M.	23.9	+4.53	0 0—0 10	+4.53	7		19.4	+2.37	19 24	+2.37
22	P.	4.9	+2.52	4 54	+2.52	7		22.2	+3.09	22 15—22 20	+3.09
22		6.6	+1.99	6 39	+1.99	7	P.-M.	0.9	+3.14	1 5—1 20	+3.14
22		9.0	+2.08	8 50—12 45	+2.26	8	P.	5.0	+3.05	5 0	+3.05
22		12.4	+2.45			8		8.0	+2.43	7 57	+2.43
22	L.	21.6	+3.73	21 25—21 30	+3.73	8	L.	17.0	+3.37	17 20—18 55	+3.23
22		23.6	+3.51	23 25—23 30	+3.51	8		18.7	+3.09		
23	L.-M.	0.0	+4.37	0 5—0 10	+4.37	9	L.-M.	1.3	+2.74	1 5—1 30	+2.74
23	L.	5.1	+3.60	5 6	+3.60	9		1.5	+2.75		
23		6.8	+3.28	6 48	+3.28	9	L.	5.0	+2.86	5 20—5 55	+2.88
23		9.7	+2.80	9 42	+2.80	9		6.4	+2.90		
23		12.5	+2.33	12 30	+2.33	10	M.	18.1	+4.60	17 35—18 55	+4.60
23	M.-P.	0.0	+4.32	0 10—0 15	+4.32	11	M.-P.	1.4	+4.34	1 15—1 20	+4.34
24	M.	5.0	+3.54	5 0	+3.54	11	M.	4.9	+3.35	4 54	+3.35
24		6.5	+2.77	6 30	+2.77	11		6.4	+2.70	6 24	+2.70
24		10.7	+3.17	10 55—12 45	+3.27	12	L.	17.0	+3.39	17 20—18 35	+3.46
24		12.5	+3.37			12		19.1	+3.53		
24	P.	16.4	+3.34	16 55—19 15	+3.34	13	L.-M.	1.6	+4.81	1 20—2 0	+4.81
24		19.4	+3.33	21 30—21 35	+3.76	13	L.	5.0	+4.03	5 20—7 50	+4.00
24		21.8	+3.76			13		7.5	+3.97		
24	P.-M.	0.1	+3.45	0 10—0 20	+3.45	13	M.	17.0	+3.47	17 20—19 50	+3.32
25	P.	5.0	+4.57	5 20—7 15	+4.52	13		19.5	+3.16		
25		7.7	+4.46			13	M.-P.	1.6	+3.07	1 25—2 5	+3.07
25		11.4	+5.38	11 45—12 45	+5.33	14	M.	4.9	+2.73	5 20—7 50	+2.54
25		13.0	+5.28			14		7.4	+2.35		
26	L.	12.1	+5.67	12 15—14 15	+5.46	14	P.	16.9	+2.01	17 20—20 15	+2.06
26		13.8	+5.26			14		20.0	+2.12		
27	M.	14.0	+4.85	14 5—15 15	+4.85	15	P.-M.	1.7	+2.32	1 30—1 35	+2.32
27	M.-P.	0.2	+5.15	0 25—0 30	+5.15	15	P.	2.4	+1.82	2 10—2 15	+1.82
28	P.	14.3	+4.50	14 18	+4.50	15	L.	17.3	+0.91	17 20—19 50	+0.94
28		16.6	+3.77	16 36	+3.77	15		19.5	+0.98		
28		18.7	+3.40	18 42	+3.40	16	L.-M.	1.8	+2.72	1 30—2 20	+2.72
28		22.0	+4.07	21 40—21 45	+4.07	18	M.-P.	1.9	+2.95	1 40—1 45	+2.95
28	P.-M.	0.3	+4.09	0 25—0 35	+4.09	18	M.	2.8	+3.08	2 30—2 35	+3.08
30	M.-L.	0.7	+3.14	0 30—0 35	+3.14	18		5.0	+3.24	5 0	+3.24
31	P.	16.6	+3.27	16 36	+3.27	18		7.5	+2.12	7 30	+2.12
31		19.0	+3.72	19 3	+3.72						
31	P.-M.	0.5	+3.62	0 35—0 45	+3.62						
Apr. 2	L.-M.	0.9	+3.97	0 30—0 50	+3.97						
2	L.	6.2	+3.28	5 20—6 20	+3.28						

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1910 Apr. 19	P.	h 4.9	" +1.93	h m h m 5 20—5 40	" +1.93	1910 May 2	M.	h 12.9	" +2.81	h m h m 13 25—13 30	" +2.81
19		11.4	+2.56	11 24	+2.56						
19		12.7	+3.50	12 42	+3.50	2	P.-M.	2.5	+3.44	2 35—2 45	+3.44
19	L.	17.5	+2.95	17 20—19 0	+2.81	3	L.	0.4	+2.95	23 50—23 55	+2.95
19		19.2	+2.67			4	L.-M.	2.5	+3.40	2 40—2 45	+3.40
21	P.	23.4	+3.18	23 5—20 10	+3.18	4	L.	9.6	+2.54	9 20—13 30	+2.36
22	P.-M.	2.1	+2.87	1 55—2 0	+2.87	4		13.1	+2.18		
22	P.	2.9	+3.07	3 0—3 5	+3.07	4	M.	17.1	+2.29	17 6	+2.29
22		4.9	+2.88	5 20—8 15	+2.78	4		20.4	+3.75	20 24	+3.75
22		7.9	+2.68			4	M.-P.	2.6	+3.75	2 45—2 50	+3.75
22		10.6	+1.82	10 55—12 55	+1.92	5	M.	9.6	+3.71	9 20—9 25	+3.71
22		13.2	+2.02			5	P.	16.9	+2.59	17 20—19 5	+2.71
22	L.	17.0	+2.19	17 20—19 0	+2.31	5		19.4	+2.83		
22		19.2	+2.43			5		20.9	+3.07	21 20—21 30	+3.07
23	L.-M.	2.2	+2.99	2 0—2 5	+2.99	5		0.2	+3.71	0 0—0 5	+3.71
23	L.	14.5	+2.11	13 50—13 55	+2.11	5	P.-M.	2.7	+3.62	2 50—2 55	+3.62
24	M.	23.5	+3.31	23 15—23 20	+3.31	6	P.	4.4	+3.32	4 10—4 15	+3.32
25	M.-P.	2.3	+3.01	2 5—2 15	+3.01	6		8.6	+3.27	8 10—9 30	+3.27
25	P.	15.0	+2.84	15 25—17 40	+2.88	6	L.	17.2	+3.62	17 20—18 55	+3.71
25		17.5	+2.91	18 50—20 15	+2.98	6		18.7	+3.80		
25		20.0	+3.06			6		21.2	+3.54	21 25—21 30	+3.54
25		23.6	+3.90	23 20—23 25	+3.90	6		1.2	+3.61	1 25—1 30	+3.61
26	P.-M.	2.4	+3.29	2 10—2 15	+3.29	7	L.-M.	3.1	+3.36	2 55—3 0	+3.36
26	P.	10.5	+2.73	10 55—12 30	+2.76	9	M.	12.8	+2.54	13 25—13 30	+2.54
26		12.9	+2.79			9	P.	17.0	+2.76	17 20—19 5	+2.93
26	L.	16.4	+3.07	16 0—18 35	+3.09	9		19.5	+3.10		
26		18.7	+3.11			9		21.1	+3.31	21 25—21 30	+3.31
26		23.8	+3.61	23 20—23 25	+3.61	9		0.6	+3.76	0 15—1 30	+3.76
27	L.-M.	2.4	+4.17	2 15—2 20	+4.17	9	P.-M.	2.9	+3.52	3 5—3 10	+3.52
27	L.	13.0	+3.22	12 10—13 25	+3.22	12	P.	16.9	+2.54	16 54	+2.54
27						12		19.2	+3.26	19 12	+3.26
27	M.	16.8	+3.26	17 5—20 15	+3.27	12		21.1	+3.13	21 20—21 25	+3.13
27		19.5	+3.28			12		0.6	+3.33	0 25—1 30	+3.33
27	M.-P.	2.2	+3.63	2 15—2 25	+3.63	13	P.-M.	3.4	+3.31	3 15—3 20	+3.31
28	M.	4.7	+3.85	3 35—3 40	+3.85	13	P.	8.1	+2.92	7 50—7 55	+2.93
28		6.5	+3.51	5 20—6 20	+3.68	14	L.-M.	3.5	+2.63	8 20—3 25	+2.63
28		9.6	+3.39	9 20—12 30	+3.26	14	L.	9.1	+2.61	8 50—9 25	+2.61
28		11.7	+3.12			14		12.2	+2.03	11 0—12 5	+2.03
28	P.	16.9	+3.21	17 20—18 55	+3.02	15	P.	9.6	+2.82	9 20—13 30	+2.70
28	P.-M.	18.2	+3.29	18 0—18 5	+3.29	15		13.1	+2.57		
28	P.	20.0	+2.83			15	M.	17.0	+2.35	17 20—18 55	+2.57
30	L.-M.	2.3	+2.83	2 25—2 30	+2.83	15		18.7	+2.79		
30	L.	8.4	+1.86	8 35—10 40	+1.84	16	M.-P.	3.6	+2.94	3 25—3 35	+2.94
30		10.8	+1.83	10 48	+1.83	16	M.	10.9	+2.36	10 35—11 45	+2.34
30		13.7	+2.73	13 42	+2.73	16		11.9	+2.31		
30	P.	16.9	+1.80	16 54	+1.80	16	P.	17.0	+1.76	17 20—18 55	+1.80
30		19.4	+2.44	19 24	+2.44	16		19.2	+1.85		
						16		21.1	+1.84	21 20—21 25	+1.84

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1910 May 16	P.-M.	3.4	+2.78	3 30—3 40	+2.78	1910 June 1	M.	2.0	+2.23	1 25—1 55	+2.23
17	P.	11.1	+1.20	11 20—13 30	+1.26	1	M.-P.	4.4	+2.09	4 35—4 40	+2.09
17		13.7	+1.33			3	L.	17.3	+1.41	17 20—18 55	+1.52
18	L.-M.	3.8	+2.88	3 35—3 40	+2.88	3		19.2	+1.62		
18	L.	11.4	+2.66	11 40—13 30	+2.62	3		21.6	+1.44	21 20—21 25	+1.44
18		13.9	+2.59			3		1.7	+2.09	1 25—2 0	+2.09
18	M.	17.1	+2.43	17 20—18 55	+2.46	4	L.-M.	4.6	+1.81	4 45—4 50	+1.81
18		19.5	+2.48			5	M.	2.6	+2.40	2 5—2 10	+2.40
18		1.7	+4.27	1 25—1 30	+4.27	5	M.-P.	4.8	+2.03	4 50—5 0	+2.03
18	M.-P.	3.6	+3.44	3 40—3 45	+3.44	6	M.	12.8	+1.52	13 5—14 25	+1.49
19	M.	8.4	+3.50	8 24	+3.50	6		14.6	+1.46		
19		11.5	+3.06	11 30	+3.06	6	P.	17.2	+1.24	17 20—18 20	+1.40
19		14.0	+2.36	14 0	+2.36	6		19.0	+1.55		
19	P.	17.0	+2.22	17 20—19 15	+2.11	6		1.7	+2.33	1 25—2 15	+2.33
19		19.4	+2.00			6	P.-M.	4.8	+1.95	4 55—5 5	+1.95
21	L.-M.	4.0	+2.80	3 45—3 55	+2.80	7	P.	12.9	+1.00	12 54	+1.00
21	L.	12.3	+1.94	12 0—14 55	+2.04	7		15.4	+1.59	15 24	+1.59
21		15.1	+2.14			7	L.	17.2	+1.36	17 20—18 55	+1.55
23	P.	9.2	+2.29	9 20—9 30	+2.29	7		21.2	+1.74	21 20—21 25	+1.74
23		13.2	+1.69	13 25—13 30	+1.69	7		1.7	+2.42	1 25—1 30	+2.42
23	M.-P.	16.1	+1.68	15 55—16 0	+1.68	8	L.-M.	4.9	+2.77	5 0—5 5	+2.77
23	M.	16.3	+1.61	16 30—19 5	+1.82	8	L.	13.1	+1.54	13 25—15 5	+1.46
23		18.7	+2.03			8		15.2	+1.37		
23		1.7	+2.99	1 10—1 30	+2.99	8	M.	18.1	+1.43	17 20—21 30	+1.36
23	M.-P.	3.9	+2.14	4 0—4 5	+2.14	8		20.9	+1.30		
25	M.	1.0	+2.69	1 25—1 30	+2.69	11	L.	13.2	+1.82	13 25—13 55	+1.82
25	M.-P.	4.0	+2.52	4 5—4 15	+2.52	13	M.	17.2	+2.13	17 20—18 20	+2.35
26	P.	17.0	+1.92	17 0	+1.92	13		18.7	+2.57		
26	P.-M.	19.0	+2.34	18 40—18 45	+2.34	14	M.-P.	5.6	+2.90	5 25—5 30	+2.90
26	P.	20.0	+2.93	19 57	+2.93	14	M.	13.8	+1.96	13 25—15 5	+1.99
26		1.7	+3.08	1 25—1 30	+3.08	14		14.9	+2.02		
27	P.-M.	4.4	+2.50	4 10—4 20	+2.50	16	M.-L.	5.8	+2.60	5 35—5 40	+2.60
27	L.	17.2	+2.62	17 20—20 0	+2.46	16	M.	13.2	+1.39	13 25—13 30	+1.39
27		20.2	+2.31			18	L.-M.	5.9	+2.94	5 40—5 50	+2.94
27		21.7	+2.30	21 20—21 25	+2.30	19	M.	18.1	+2.66	17 20—18 55	+2.66
27		1.2	+3.10	1 25—1 30	+3.10	19		3.6	+2.93	3 5—4 20	+2.93
28	L.-M.	4.5	+2.57	4 15—4 20	+2.57	19	M.-P.	5.7	+2.59	5 50—5 55	+2.59
28	L.	12.4	+2.01	12 35—14 15	+1.99	20	M.	13.7	+1.70	13 25—15 35	+1.74
28		14.4	+1.97			20		15.2	+1.79		
28	P.	18.8	+2.06	19 10—20 25	+2.10	20	L.	16.8	+1.58	16 30—16 35	+1.58
28		20.9	+2.13			20		1.8	+2.78	1 25—1 30	+2.78
30	P.	16.9	+1.49	16 54	+1.49	20		4.5	+2.38	4 20—4 25	+2.38
30		20.6	+2.35	20 36	+2.35	20	L.-P.	5.8	+2.90	5 55—6 0	+2.90
31	P.-M.	4.6	+1.90	4 25—4 35	+1.90	21	L.	13.7	+1.10	13 25—15 35	+1.22
31	L.	23.6	+2.18	23 20—23 25	+2.18	21		15.7	+1.35		

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		h	"	h m h m	"			h	"	h m h m	"
1910 June 21	P.	16.9	+0.87	16 54	+0.87	1910 July 8	M.	1.8	+1.38	1 25—1 30	+1.38
21		20.0	+1.69	19 57	+1.69	8		6.7	+1.72	6 20—6 25	+1.72
21		3.0	+2.35	3 15—3 20	+2.35						
21		4.6	+2.40	4 25—4 30	+2.40	8	M.-L.	7.0	+1.72	7 10—7 15	+1.72
21	P.-M.	5.6	+2.55	6 0—6 5	+2.55	9	M.	16.7	+0.36	16 42	+0.36
22	P.	13.7	+0.83	14 10—15 35	+0.69	9		18.7	+0.82	18 42	+0.82
22		15.9	+0.55			10	L.	6.5	+1.51	6 40—6 45	+1.51
22	M.	17.1	+0.84	17 6	+0.84	11	L.-M.	7.1	+1.48	7 15—7 25	+1.48
22		19.2	+1.37	19 12	+1.37	11	L.	18.7	+1.09	17 20—18 20	+1.09
22		1.8	+1.81	1 25—1 30	+1.81	11	M.	7.2	+1.15	6 45—6 50	+1.15
22	M.-L.	5.9	+1.87	6 0—6 10	+1.87	11	M.-L.	7.2	+1.22	7 20—7 30	+1.22
23	L.	17.3	+0.94	17 20—19 55	+0.90	13	M.-L.	7.3	+1.39	7 30—7 35	+1.39
23		20.1	+0.87			14	M.	14.2	+0.88	13 25—19 0	+0.90
23		1.2	+1.12	1 25—1 30	+1.12	14		18.7	+0.93		
24	L.-M.	6.0	+1.96	6 5—6 15	+1.96	14	L.	1.8	+1.15	1 25—1 30	+1.15
24	M.	17.2	+1.04	17 12	+1.04	15	L.-M.	7.4	+1.20	7 35—7 40	+1.20
24		20.1	+1.59	20 6	+1.59	15	L.	13.7	+0.81	13 25—16 10	+0.83
25	L.	17.2	+1.16	17 20—18 55	+1.12	15		16.8	+0.85		
25		19.5	+1.08	19 30	+1.08	19	L.	13.6	+0.25	13 25—13 30	+0.25
25		21.9	+1.67	21 54	+1.67	19		17.5	+0.07	17 20—19 45	+0.18
26	M.	18.1	+1.67	17 20—22 5	+1.58	19		19.9	+0.29		
26		20.0	+1.52			19	M.	1.1	-0.22	1 25—1 30	-0.22
26		22.4	+1.55			19	M.-P.	7.6	+0.58	7 55—8 0	+0.58
26		1.6	+2.17	1 25—1 30	+2.17	20	M.	16.8	-0.09	17 10—19 45	-0.02
27	L.	23.6	+1.53	22 40—23 25	+1.53	20		19.4	+0.06		
28	M.	0.2	+1.98	23 55—1 30	+1.98	20	P.	1.2	+0.09	1 25—1 30	+0.09
28		5.2	+2.46	5 5—5 10	+2.46	20	P.-M.	7.8	+0.44	7 55—8 15	+0.44
28	M.-L.	6.3	+2.51	6 25—6 35	+2.51	21	P.	16.8	-0.36	17 20—20 0	-0.33
29	M.	16.6	+1.17	16 36	+1.17	21		20.3	-0.30		
29		18.7	+1.65	18 42	+1.65	21	M.-P.	7.8	+0.39	8 0—8 25	+0.39
29	L.	1.0	+2.12	0 45—1 30	+2.12	22	M.	13.0	-0.45	13 25—13 30	-0.45
29		5.5	+2.55	5 10—5 15	+2.55	22		17.1	-0.61	17 20—20 55	-0.42
30	L.-M.	6.4	+2.62	6 30—6 40	+2.62	22		20.6	-0.22		
30	L.	14.5	+2.26	14 40—18 35	+2.04	22	M.-P.	20.7	-0.63	20 55—21 0	-0.63
30		16.6	+1.82			22	P.	1.1	-0.13	1 25—1 30	-0.13
30		18.7	+2.05			23		19.2	-0.52	19 35—22 0	-0.50
30	M.-L.	6.5	+2.23	6 35—6 45	+2.23	23		22.2	-0.48		
July 2	L.-M.	6.9	+2.25	6 40—6 45	+2.25	23		1.1	-0.32	1 25—1 30	-0.32
4	M.	6.0	+1.65	5 45—5 50	+1.65	24	M.	19.9	-0.68	19 35—22 50	-0.62
5		13.7	+1.35	13 25—13 30	+1.35	24		22.5	-0.57		
5		18.2	+0.93	17 20—18 55	+0.93	25	P.-M.	8.4	-0.43	8 15—8 20	-0.43
5	L.	1.7	+1.60	1 25—1 30	+1.60	25	P.	16.8	-0.19	17 20—18 55	-0.43
5		5.8	+1.83	5 55—6 0	+1.83	25		19.2	-0.67	23 40—1 30	-0.64
6	L.-M.	6.8	+1.98	6 55—7 5	+1.98	25		0.0	-0.64		
7	L.	1.7	+1.29	1 25—1 30	+1.29	26	M.-P.	8.5	-0.34	8 15—8 25	-0.34
8	L.-M.	6.0	+1.99	7 5—7 10	+1.99						
8	L.	17.2	+0.46	17 20—18 20	+0.65						
8		18.7	+0.84								

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1910		h	"	h m h m	"	1910		h	"	h m h m	"
July 26	M.	8.7	-0.05	8 50—8 55	-0.05	Aug. 9	L.-P.	9.4	+9.85	9 10—9 20	+9.85
26		17.0	-1.12	17 0	-1.12						
26		18.7	-0.35	18 42	-0.35	9	L.	13.2	+9.58	13 25—13 30	+9.58
26	P.	0.8	-0.25	0 30—1 30	-0.25	9		17.2	+9.00	17 20—18 55	+9.07
27	M.	1.8	-0.64	1 25—1 30	-0.64	9		19.1	+9.14		
27	M.-P.	8.6	+0.28	8 25—8 30	+0.28	10	P.-L.	9.5	-2.06	9 15—9 20	-2.06
28	M.	9.0	+0.67	9 10—9 15	+0.67	10	P.	13.8	-1.99	13 25—13 30	-1.99
28		16.9	+0.01	17 10—19 5	+0.14	10		16.9	-2.61	17 20—18 55	-2.48
28		18.7	+0.26			10		19.0	-2.35		
28	P.	1.7	+0.14	1 25—2 20	+0.14	10	L.	1.2	-2.36	1 25—1 30	-2.36
29	P.-M.	8.7	+0.54	8 30—8 35	+0.54	11	L.-P.	9.5	-1.57	9 20—9 25	-1.57
29	P.	9.2	-0.04	9 15—9 20	-0.04	11	L.	11.0	-1.74	10 40—10 45	-1.74
29		16.6	-0.10	16 36	-0.10	11		13.7	-1.65	13 25—14 15	-1.65
29		18.6	+0.39	18 39	+0.39	11		17.7	-2.46	17 20—19 5	-2.32
29	M.-P.	8.7	+0.41	8 30—8 40	+0.41	11	P.-L.	9.3	-1.85	9 20—9 30	-1.85
30	M.	17.2	-0.46	17 20—19 5	-0.31	12	P.	13.7	-1.87	13 25—13 30	-1.87
30		18.7	-0.16			12		16.7	-2.73	17 10—18 55	-2.64
30	P.	4.7	+0.31	4 15—4 20	+0.31	12		19.0	-2.54		
Aug. 1	P.-M.	8.8	-0.16	8 40—8 45	-0.16	13	L.-P.	9.7	-1.47	9 25—9 35	-1.47
1	P.	9.6	+0.24	9 40—9 45	+0.24	13	L.	17.0	-2.82	17 0	-2.82
1		13.2	-0.18	13 25—13 30	-0.18	13		19.2	-1.88	19 12	-1.88
1		16.9	-0.47	17 20—18 45	-0.32	16	P.	13.8	-2.20	13 25—13 30	-2.20
1		19.2	-0.16			16		17.0	-2.63	17 20—18 55	-2.46
2	P.-M.	8.9	-0.29	8 45—8 50	-0.29	16		19.3	-2.29		
2	P.	10.0	-0.18	9 45—9 50	-0.18	18	P.-L.	10.0	-2.01	9 45—9 50	-2.01
2	M.-P.	9.0	-0.55	8 50—8 55	-0.55	18	P.	11.6	-1.67	11 20—11 25	-1.67
3	M.	13.0	-0.81	13 25—13 30	-0.81	18		13.7	-1.77	13 25—13 30	-1.77
3		17.1	-1.03	17 20—19 5	-1.04	18		17.1	-2.05	17 20—19 15	-2.22
3		19.3	-1.04			18		20.6	-2.38		
4	P.-M.	9.0	-0.93	8 50—9 0	-0.93	19	L.-P.	10.0	-1.68	9 50—9 55	-1.68
4	P.	10.2	-0.48	10 0—10 5	-0.48	19	L.	17.0	-2.48	17 20—19 5	-2.54
4		13.8	-0.47	13 25—13 30	-0.47	19		19.2	-2.61	20 50—21 40	-2.64
4		16.6	-1.17	17 5—19 40	-0.98	19	P.-L.	21.9	-2.67		
4		19.8	-0.78			19		9.8	-1.95	9 50—10 0	-1.95
4	M.	2.0	-1.38	1 25—1 30	-1.38	20	P.	12.4	-2.35	11 25—13 30	-2.35
4	M.-P.	9.1	+0.08	8 55—9 5	+0.08	20		16.9	-2.60	17 20—18 55	-2.62
5	M.	9.8	+0.46	10 5—10 10	+0.46	20		19.5	-2.65	20 50—22 30	-2.63
5		17.1	+0.06	17 6	+0.06	20		22.6	-2.61		
5		19.3	+0.60	19 18	+0.60	21	L.	22.4	-2.95 ¹	22 35—1 30	-2.83
5	L.	1.8	+0.02	1 25—1 30	+0.02	21		1.2	-2.71		
5	L.-P.	8.9	+0.99	9 0—9 5	+0.99	22	P.-L.	10.2	-2.60	10 0—10 5	-2.60
6	L.	10.4	+0.33	10 10—10 15	+0.33	22	P.	11.8	-2.43	11 35—11 40	-2.43
6		13.7	+0.88	13 25—13 30	+0.88	22		17.0	-3.05	17 20—18 55	-2.92
6		17.2	+0.55	17 12	+0.55	22		19.2	-2.78		
6		19.9	+1.12	19 54	+1.12	22		0.0	-3.11	0 15—1 50	-2.98
						22		2.0	-2.84		
						23	L.-P.	10.3	-2.34	10 5—10 10	-2.34

¹ One micrometer reading changed from 46.560 to 46.660 rev

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1910 Aug. 23	L.	h 17.1	" -2.78	h m h m 17 20—18 55	" -2.84	1910 Sept. 12	P.	h 12.8	" -2.64	h m h m 12 35—12 40	" -2.64
23		19.1	-2.90			12		17.0	-3.61	16 57	-3.61
23		0.4	-2.63	0 0—1 50	-2.66	12		19.6	-2.92	19 39	-2.92
23		2.2	-2.70								
24	P.	17.0	-3.24	17 20—18 55	-3.16	12	M.	5.0	-3.21	5 20—6 20	-3.24
24		19.3	-3.09			12		6.2	-3.26		
24		0.8	-2.65	1 25—1 30	-2.65	12	M.-P.	11.2	-2.55	11 20—11 25	-2.55
25	L.-P.	10.5	-2.09	10 10—10 20	-2.09	14	P.-M.	11.6	-3.23	11 25—11 30	-3.23
25	L.	17.2	-3.53	17 30—18 55	-3.50	14	M.	5.2	-4.03	5 20—6 20	-3.53
25		19.1	-3.48			14		6.2	-3.28		
26	P.	1.8	-3.44	1 25—4 0	-3.38	15	M.-P.	11.7	-3.12	11 25—11 35	-3.12
26		4.2	-3.31			15	M.	17.1	-3.33	17 20—21 30	-3.45
27	L.-P.	10.5	-2.76	10 20—10 25	-2.76	15		19.2	-3.78		
27	L.	17.2	-3.37	17 20—18 45	-3.38 ¹	15		21.6	-3.23		
27		19.1	-3.39			15	P.	5.0	-3.90	5 20—6 20	-3.78
27		1.2	-3.49	1 12	-3.49	15		6.5	-3.65		
27		3.9	-3.13	3 54	-3.13	16	P.-M.	11.7	-2.94	11 30—11 40	-2.94
27		6.2	-2.50	6 12	-2.50	16	P.	16.9	-3.28	17 20—18 55	-3.36
30	L.-P.	10.7	-2.35	10 30—10 35	-2.35	16		19.4	-3.45	19 24	-3.45
30	L.	13.7	-2.60	13 25—13 30	-2.60	16		22.5	-4.04	22 30	-4.04
30		17.1	-3.00	17 20—19 0	-3.02	17	L.-M.	11.8	-2.69	11 35—11 40	-2.69
30		19.1	-3.04			17	L.	17.2	-3.46	17 20—20 10	-3.50
30	P.	5.0	-2.49	5 25—5 55	-2.49	17		20.5	-3.54	20 50—23 25	-3.76
Sept. 5	P.	5.2	-2.27	5 20—6 5	-2.27	17		23.6	-3.99		
5	P.-M.	10.8	-2.26	10 55—11 0	-2.26	20	L.-P.	12.0	-3.34	11 45—11 50	-3.34
6	P.	12.7	-2.74	12 25—13 30	-2.74	20	L.	17.2	-3.81	17 20—18 55	-3.84
6		17.2	-4.19	17 9	-4.19	20		19.1	-3.87		
6		19.7	-2.98	19 42	-2.98	20		0.9	-3.75	0 40—2 35	-3.60
6	M.	5.0	-2.60	5 0	-2.60	20		2.8	-3.46		
6		6.5	-2.12	0 30	-2.13	20	M.	5.0	-3.31	5 20—6 20	-3.30
6	M.-P.	10.8	-1.84	11 0—11 5	-1.84	20		6.2	-3.29		
7	M.	13.4	-1.88	12 30—12 35	-1.88	20	M.-L.	11.7	-2.93	11 50—11 55	-2.93
7		17.1	-2.13	17 20—18 55	-2.19	21	M.	2.1	-3.32	1 45—4 15	-3.24
7		18.7	-2.25			21		3.9	-3.16		
7	P.	5.0	-2.98	4 57	-2.98	21	L.	4.9	-3.71	5 20—6 20	-3.75
7		6.5	-2.16	6 30	-2.16	21		6.5	-3.79		
8	P.-M.	10.9	-2.23	11 0—11 10	-2.23	21	L.-M.	11.7	-2.89	11 50—12 0	-2.89
8	P.	12.7	-2.43	12 30—14 45	-2.56	22	L.	17.5	-3.37	17 20—19 5	-3.57
8		14.9	-2.68			22		19.1	-3.77		
8		17.1	-2.63	17 20—19 15	-2.74	22		1.7	-3.31 ²	1 45—4 15	-3.27
8		19.4	-2.85			22		4.0	-3.23		
8	M.-P.	11.3	-2.20	11 5—11 15	-2.20	22	M.	5.0	-3.21	5 20—6 5	-3.32
9	P.	5.0	-3.22	5 20—6 20	-3.48	22		6.3	-3.44		
9		6.5	-3.75			23	M.-L.	12.1	-3.03	11 55—12 5	-3.03
9	P.-M.	11.1	-2.65	11 10—11 15	-2.65	24	M.	4.4	-3.15	4 5—6 20	-3.20
10	P.	17.3	-3.24	17 20—19 15	-3.26	24		6.2	-3.26		
10		19.5	-3.29			25	M.	4.8	-3.13 ³	4 10—6 50	-3.22
12	P.-M.	11.4	-2.97	11 15—11 25	-2.97	25		6.6	-3.30		

¹ Used +0".80 for θ Serpentis; reduced with two microscopes.
² One micrometer reading changed from 46.455 to 46.555 rev.

³ One micrometer reading changed from 46.450 to 46.550 rev.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
		^h	["]	^h ^m ^h ^m	["]			^h	["]	^h ^m ^h ^m	["]
1910 Sept. 25	M.-P.	12.0	-3.02	12 5-12 15	-3.02	1910 Oct. 11	P.	17.0	-4.76	17 0	-4.76
26	M.	17.2	-3.82	17 20-18 55	-4.00	11		19.2	-5.85	19 9	-5.85
26		18.7	-4.17			11		21.7	-5.87	20 15-21 20	-5.86
26	P.	1.6	-4.31	1 45-2 20	-4.30	11	L.	4.9	-5.40	5 0-6 20	-5.29
26		2.2	-4.28	2 30-4 35	-4.20	11		6.7	-5.18		
26		4.8	-4.12	4 55-7 55	-4.00	12	L.-M.	13.0	-4.57	13 5-13 10	-4.57
26		7.6	-3.89			12					
26	P.-M.	12.1	-3.56	12 10-12 15	-3.56	12	L.	17.8	-3.97	17 48	-3.97
27	P.	16.9	-4.56	17 20-18 55	-4.60	12		21.2	-4.70	21 12	-4.70
27		19.0	-4.63			12	M.	12.7	-3.94	12 5-12 10	-3.94
27	L.	5.0	-3.96	5 0	-3.96	12	M.-P.	13.1	-3.93	13 10-13 15	-3.93
27		9.1	-3.17	9 6	-3.17	13	M.	17.5	-4.35	17 20-18 55	-4.38
28	L.-M.	12.2	-3.13	12 15-12 20	-3.13	13		20.3	-4.41		
28	L.	17.2	-3.88	17 20-18 55	-3.91	13	P.	4.9	-4.19	5 20-7 0	-4.27
28		19.1	-3.96			13		7.2	-4.35		
28	M.	6.5	-3.43	5 20-6 20	-3.43	13		12.4	-3.77	12 10-12 15	-3.77
28		10.0	-3.06	9 45-9 50	-3.06	13	P.-M.	13.1	-3.81	13 10-13 20	-3.81
28	M.-P.	12.2	-3.87	12 15-12 25	-3.87	14	P.	17.0	-4.86	16 57	-4.86
30	P.-M.	12.6	-3.68	12 20-12 30	-3.68	14		20.2	-5.99	20 12	-5.99
Oct. 1	L.-P.	12.4	-3.18	12 25-12 35	-3.18	14		23.6	-5.41	23 36	-5.41
1	L.	17.0	-4.16	17 20-19 30	-4.12	14	M.	12.8	-4.13	12 15-12 20	-4.13
1		19.4	-4.09			14	M.-P.	13.1	-3.91	13 15-13 25	-3.91
2	M.	5.2	-4.40	5 20-6 20	-4.36	15	M.	17.2	-4.49	17 12	-4.49
2		6.5	-4.31			15		18.7	-5.14	18 42	-5.14
2		12.0	-3.85	11 45-11 50	-3.85	15		22.4	-4.63	22 0-0 15	-4.58
2	M.-P.	12.5	-3.61 ¹	12 30-12 40	-3.61	15		23.8	-4.54		
3	P.	5.0	-4.37	5 20-6 20	-4.24	16	P.	23.7	-3.50	0 5-2 40	-3.61
3		6.5	-4.10			16		3.1	-3.72		
4		17.0	-4.53	16 57	-4.53	16	M.	12.9	-3.43	12 25-12 30	-3.43
4		19.3	-5.12	19 18	-5.12	16	M.-P.	13.3	-3.27	13 25-13 30	-3.27
4	L.	4.9	-4.55	5 0-6 20	-4.46	17	M.	17.5	-3.80	17 20-18 55	-3.84
4		6.7	-4.37			17		18.7	-3.88		
4		12.2	-3.99	11 45-11 50	-3.99	17		0.2	-4.30	0 12	-4.30
5	L.-P.	12.6	-3.50	12 40-12 45	-3.50	17		2.0	-3.69	2 0	-3.69
5	L.	17.3	-4.86	17 20-18 55	-5.08	17	P.	4.9	-4.25	5 20-7 0	-4.28
5		18.7	-5.31			17		7.2	-4.32		
6	M.	17.5	-4.94	17 20-18 55	-5.12	17		12.8	-3.86	12 35-12 40	-3.86
6		18.7	-5.30			17	P.-M.	13.3	-4.04	13 25-13 35	-4.04
9	M.	4.7	-4.18	5 0-6 20	-4.25	18	P.	17.0	-4.18	17 0	-4.18
9		6.7	-4.32			18		19.2	-5.21	19 9	-5.21
9	M.-P.	12.9	-3.66	12 55-13 5	-3.66	18		22.6	-5.21	23 0-2 10	-4.99
10	M.	17.5	-4.43	17 20-20 10	-4.56	18		2.4	-4.77		
10		20.4	-4.70			18	L.-P.	13.3	-3.42	12 40-12 45	-3.42
10	P.	4.6	-4.00	5 0-6 20	-3.91	20	M.	2.0	-3.63	1 45-4 15	-3.50
10		6.6	-3.82			20		3.8	-3.38		
10		12.3	-3.41	12 0-12 5	-3.41	20	P.	4.9	-3.90	4 54	-3.90
10	P.-M.	12.9	-3.74	13 0-13 10	-3.74	20		7.2	-3.40	7 12	-3.40
						20		13.1	-3.15	12 50-12 55	-3.15
						21	P.-M.	13.8	-3.76	13 40-13 45	-3.76

¹ The readings of microscope IV increased 5".

TABLE XXII.—*The Zenith Point Corrections—Continued.*

Date.	Obs'r and Ass't	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1910		h	"	h m h m	"	1910		h	"	h m h m	"
Oct. 22	L.-M.	13.6	-2.59	13 40—13 50	-2.59	Nov. 5	L.-P.	14.5	-2.69	14 35—14 45	-2.69
22	L.	17.8	-3.89	17 20—19 10	-3.94	6	M.	5.0	-3.32	5 20—6 20	-3.24
22		19.5	-3.99	19 30	-3.99	6		6.2	-3.16		
22		22.9	-3.23	22 54	-3.23						
22		0.4	-3.13	0 24	-3.13						
22		2.8	-2.67	2 48	-2.67	7	M.-P.	15.0	-2.31	14 45—14 50	-2.31
22	P.	4.6	-2.63	4 55—6 30	-2.60	7	M.	19.6	-3.03	18 55—20 15	-3.03
22		6.9	-2.57			7	P.-M.	14.5	-2.21	14 40—14 55	-2.21
23	M.	2.4	-3.56	2 24	-3.56	8	P.	17.2	-4.04	17 35—20 25	-3.96
23		3.0	-3.48	3 0	-3.48	8		20.6	-3.89	21 0—23 25	-3.80
23		5.2	-2.73	5 12	-2.73	8		23.8	-3.72		
23		6.0	-2.46	6 0	-2.46						
23		7.1	-2.38	7 6	-2.38	8	L.	5.0	-2.99	5 20—7 0	-2.86
23	M.-P.	13.7	-2.50	13 50—13 55	-2.50	8		7.7	-2.72		
24	M.	17.5	-3.19	17 35—19 0	-3.32	9	L.-P.	14.8	-2.41	14 50—15 0	-2.41
24		18.6	-3.44			9	L.	20.0	-4.16	19 45—22 40	-4.31
24	P.	1.6	-3.25	1 45—4 35	-3.26	9		22.5	-4.46		
24		4.8	-3.26	4 55—7 20	-3.12						
24		8.0	-2.98	8 30—8 35	-2.98	11	P.-M.	15.2	-2.98	15 0—15 10	-2.98
25	L.	2.4	-3.11	2 24	-3.11	11	P.	21.1	-3.99	21 6	-3.99
25		6.7	-2.70	6 42	-2.70	11		0.1	-3.66	0 6	-3.66
25		9.3	-2.51	9 18	-2.51	11		3.2	-2.72	3 15	-2.72
26	L.-P.	13.6	-2.41	13 20—14 5	-2.41	11	L.	5.0	-2.36	5 20—8 10	-2.37
26	L.	18.7	-4.26	17 35—19 10	-4.26	11		7.7	-2.38		
26	M.	5.1	-3.61	5 20—6 20	-3.50	12	L.-P.	15.0	-1.61	15 5—15 10	-1.61
26		6.6	-3.38			13	M.-P.	15.6	-2.57	15 10—15 20	-2.57
27	P.	13.4	-3.09	13 30—13 35	-3.09	14	P.	4.9	-2.35	5 20—5 55	-2.35
27	P.-M.	14.0	-3.57	14 5—14 10	-3.57	15	P.-M.	15.5	-2.03	15 15—15 25	-2.03
28	P.	17.0	-3.55	17 35—20 45	-3.63	16	M.-P.	3.4	-2.31	3 35—3 40	-2.31
28		20.9	-3.71	22 0—23 25	-3.56	16	M.	3.9	-2.40	3 55—5 30	-2.44
28		23.8	-3.41	23 51	-3.41	16		5.9	-2.49		
28		3.5	-1.71	3 30	-1.71	17	M.-P.	15.6	-1.94	15 25—15 30	-1.94
28	L.	4.9	-2.07	4 54	-2.07	17	M.	22.3	-2.83	22 18	-2.83
28		7.7	-1.22	7 42	-1.22	17		1.5	-2.38	1 30	-2.38
29		17.5	-2.43	17 30	-2.43	17	P.	4.2	-2.20	4 12	-2.20
29		20.0	-2.85	20 0	-2.85	17		7.1	-3.13	7 6	-3.13
30	M.	4.9	-2.58	5 20—8 15	-2.46	18	P.-M.	15.9	-3.23	15 30—15 50	-3.23
30		7.4	-2.33			18	P.	20.4	-1.90	20 10—20 15	-1.90
30		14.1	-2.07	13 50—13 55	-2.07	19	L.-P.	15.8	-1.63	15 35—15 40	-1.63
30	M.-P.	14.2	-1.66	14 15—14 25	-1.66	19	P.	1.4	-1.98	1 24	-1.98
31	M.	17.5	-3.44	17 20—20 15	-3.55	19		4.9	-3.33	4 54	-3.33
31		19.5	-3.66			19		7.6	-2.91	7 33	-2.91
31	P.	5.0	-3.41	5 20—8 15	-3.40	20	L.	1.7	-2.75	1 15—2 25	-2.75
31		7.6	-3.40			20	M.	5.2	-2.92	5 20—8 55	-2.76
31	P.-M.	14.2	-3.21	14 20—14 30	-3.21	20		9.2	-2.59		
Nov. 1	M.	5.0	-3.90	5 20—8 15	-3.88	20	M.-P.	16.0	-2.02	15 40—16 10	-2.02
1		7.6	-3.86								
4	L.	5.0	-2.68	5 20—5 55	-2.67						
4		6.8	-2.66								

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1910 Nov. 21	P.	h 4.8	" -2.25	h m h m 5 20—7 0	" -2.14	1910 Dec. 10	L.-M.	h 17.3	" +0.40	h m h m 17 5—17 10	" +0.40
21		6.8	-2.03			11	P.	0.7	-0.47	1 5—1 50	-0.66
22	L.	5.2	-1.73	5 20—10 25	-1.62 ¹	11		3.4	-0.85		
22		8.4	-1.52			12	P.-M.	17.4	-0.71	17 10—17 20	-0.71
22		10.6	-1.60			12	P.	18.6	-0.65	18 25—18 30	-0.65
22	L.-P.	16.0	-1.34	15 50—15 55	-1.34	12		22.6	-1.40	22 36	-1.40
24	P.	8.2	-2.44	8 12	-2.44	12		2.4	-0.49	2 24	-0.49
24		11.5	-1.56	11 30	-1.56	12		4.8	-0.66	2 0—5 55	-0.52
25	L.	5.2	-1.76	5 20—6 20	-1.76	12		6.5	-0.40		
25		9.5	-0.37	9 30	-0.37	13	M.-L.	17.5	-0.73	17 15—17 25	-0.73
25		12.6	-1.12	12 36	-1.12	13	M.	2.6	-1.35	2 36	-1.35
26	L.-P.	16.5	-1.20	16 5—16 40	-1.20	13		4.8	-1.01	4 45	-1.01
26	L.	21.3	-2.26	21 18	-2.26	13		6.1	-0.58	6 6	-0.58
26		23.6	-1.69	23 36	-1.69	14	L.	3.2	-0.81	3 25—6 20	-0.90
29	L.	5.2	-1.41	5 12	-1.41	14		6.1	-0.99		
29		9.6	-0.73	9 36	-0.73	14	M.	10.1	-0.68	10 20—12 15	-0.70
29		11.6	-0.45	10 5—11 15	-0.59	14		11.7	-0.72		
Dec. 1	P.	4.9	-0.98	5 20—6 20	-1.14	15	M.-L.	17.6	-0.94	17 25—17 35	-0.94
1		6.7	-1.31			15	M.	4.9	-0.91	5 10—7 35	-0.98
2	P.-M.	16.7	-1.08	16 30—16 35	-1.08	15		6.9	-1.06		
2	P.	21.2	-1.95	21 40—23 40	-1.96	16	P.-M.	17.7	-0.49	17 30—17 35	-0.49
2		23.8	-1.97			16	P.	19.0	-0.77	18 50—18 55	-0.77
2	L.	9.9	-0.98	10 5—11 30	-1.10	16		23.0	-0.93	23 25—23 30	-0.93
2		11.7	-1.21			16		5.5	-0.71	5 55—7 30	-0.76
3	L.-M.	16.7	-0.75	16 35—17 30	-0.75	16		7.8	-0.81		
3	L.	22.8	-2.22	22 48	-2.22	16	L.	10.1	-0.53	10 20—13 30	-0.38
3		3.9	-1.58	3 54	-1.58	16		13.1	-0.22		
3		6.2	-1.43	4 5—5 55	-1.50	17	L.-M.	17.8	-0.13	17 35—17 40	-0.13
7	L.-P.	17.0	+0.01	16 50—16 55	+0.01	17	L.	19.3	-0.44	18 55—19 0	-0.44
7	L.	18.1	-0.41	17 50—17 55	-0.41	17		5.1	-0.80	5 6	-0.80
7		21.7	-1.11	21 40—23 30	-1.16	17		8.2	-0.23	8 12	-0.23
7		23.7	-1.20			19	P.	9.0	+0.21	8 50—12 30	+0.12
7		5.1	-0.63	5 20—6 20	-0.45	19		12.6	+0.04		
7		6.1	-0.27			20		4.8	-0.18	4 48	-0.18
7	M.	10.6	-0.78	10 20—11 30	-0.78	20		8.2	+0.55	8 15	+0.55
8	M.-P.	17.1	-0.14	16 55—17 0	-0.14	20	L.	10.1	+0.75	10 10—13 30	+0.60
8						20		13.1	+0.46		
8	M.	17.8	-0.29	18 0—18 5	-0.29	21	L.-P.	18.1	+0.54	17 50—18 0	+0.54
8		22.0	-1.13	22 20—0 0	-1.18	21	L.	19.2	+0.40	19 20—19 25	+0.40
8		23.9	-1.24			21		6.0	+0.36	5 20—6 20	+0.36
8		5.0	-0.97	5 0	-0.97	22	M.-L.	18.1	+0.12	17 55—18 5	+0.12
8		6.0	-0.42	6 0	-0.42	22	M.	19.6	-0.21	19 25—19 30	-0.21
8	P.	9.6	-0.29	10 5—11 30	-0.40	22		22.7	-0.87	22 20—0 5	-0.82
8		11.8	-0.51			22		0.2	-0.77		
9	P.-M.	17.2	+0.05	17 0—17 5	+0.05	22	P.	9.6	-0.62	10 5—12 0	-0.52
9	P.	22.8	-1.21	22 48	-1.21	22		12.4	-0.43		
9		2.0	-0.96	2 0	-0.96	24	P.	10.6	+0.20	10 55—13 45	+0.38
9		4.8	-0.69	4 48	-0.69	24		13.9	+0.55		
9		6.8	-0.18	6 45	-0.18						

¹ Used -5".71 for γ Orionis; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1910 Dec. 26	P.	h 5.0	" +0.39	h m h m 5 20—7 40	" +0.46	1911 Jan. 18	L.	h 1.2	" -0.97	h m h m 1 0—3 40	" -0.78
26		8.0	+0.52			18		4.0	-0.60	5 20—5 55	-0.50
26		10.6	+0.33	10 55—13 30	+0.33	18		6.7	-0.39		
26		13.7	+0.33			18	M.-P.	19.8	-0.30	20 0—20 5	-0.30
27	P.-L.	18.5	+0.45	18 20—18 25	+0.45	19	M.	4.8	-1.77	4 48	-1.77
27	P.	20.0	-0.21	19 45—19 50	-0.21	19		6.9	-1.23	6 54	-1.23
27	L.	11.2	+0.14	10 55—12 30	+0.24	19	P.	12.2	-1.03	12 35—14 15	-1.12
27		13.7	+0.34			19		14.4	-1.22		
29	M.	18.8	-0.46	18 25—18 35	-0.46	20	P.-M.	20.6	-0.70	20 5—20 10	-0.70
29		2.2	-1.84	1 25—3 10	-1.84	20	P.	1.9	-1.65	1 25—6 20	-1.56
31	P.-M.	18.6	-0.53	18 35—18 45	-0.53	20		6.0	-1.46		
1911 Jan. 4	L.-P.	19.2	-0.28	18 55—19 0	-0.28	22	M.-P.	20.1	-0.81	20 15—20 25	-0.81
4	L.	1.0	-0.84	0 15—1 30	-0.84	23	M.	4.8	-1.46	4 30—7 30	-1.31
4		5.0	+0.58	5 20—7 40	+0.62	23		7.2	-1.16		
4		7.9	+0.67			23	P.	12.9	-0.59	12 54	-0.59
4	M.-P.	18.8	+0.03	19 0—19 5	+0.03	23		16.0	+0.54	16 0	+0.54
5	M.	0.1	-0.58	0 10—5 55	-0.55	23	P.-M.	20.2	-0.34	20 20—20 25	-0.34
5		2.0	-0.64			24	P.	4.8	-1.99	4 48	-1.99
5		4.9	-0.44			24		7.9	-1.40	7 54	-1.40
5	P.-M.	18.9	+0.29	19 5—19 10	+0.29	24	L.	12.5	-1.28	12 30	-1.28
6	P.	23.6	-2.17	0 0—1 50	-2.24	24		16.1	-0.56	16 6	-0.56
6		2.2	-2.32	2 9	-2.32	24		19.1	-0.88	18 45—18 50	-0.88
6		6.1	-1.75	6 6	-1.75	25	L.-P.	20.3	-0.39	20 25—20 30	-0.39
7	L.-P.	19.0	-0.99	19 5—19 15	-0.99	25	L.	1.7	-1.62	1 25—2 5	-1.62
7	L.	0.6	-2.34	0 10—1 50	-2.26	25		4.9	-1.45	5 20—7 25	-1.28
7		2.0	-2.18			25		7.6	-1.10		
7		5.2	-2.06	5 12	-2.06	27	P.-M.	20.5	-1.10	20 35—20 40	-1.10
7		7.7	-1.58	7 42	-1.58	27	P.	1.2	-2.38	1 25—3 55	-2.36
8	P.	0.9	-1.90	1 25—3 30	-1.84	27		4.6	-2.35		
8		3.6	-1.79			27	L.	12.5	-1.30	12 15—15 15	-1.36
9	M.	2.1	-1.84	1 25—3 40	-1.76	27		15.4	-1.42		
9		5.1	-1.68	5 20—7 30	-1.56	27		19.1	-1.69	18 55—19 0	-1.69
9		6.9	-1.45			28	L.-P.	20.5	-1.56	20 35—20 45	-1.56
9	P.-M.	19.2	-0.72	19 20—19 30	-0.72	28	L.	3.5	-1.67	3 5—7 40	-1.50
10	P.	1.7	-2.39	1 25—4 50	-2.37	28		7.9	-1.34		
10		5.0	-2.35	5 20—8 0	-2.24	29	M.	19.3	-0.75	19 0—19 5	-0.75
10		8.2	-2.12			29	M.-P.	20.6	-0.98	20 45—20 50	-0.98
15	M.	5.0	-0.12	5 0	-0.12	30	M.	2.4	-1.58	2 24	-1.58
15		7.6	+0.72	7 36	+0.72	30		4.8	-0.75	4 48	-0.75
15		9.3	+0.59	8 25—9 45	+0.66	30		7.2	-1.51	7 12	-1.51
15		13.1	+0.14	13 6	+0.14	30	P.	12.6	-0.75	12 15—15 50	-0.58
15		14.5	-0.15	14 30	-0.15	30		15.6	-0.40		
15	M.-P.	20.0	-0.12	19 45—19 55	-0.12	Feb. 2	P.	13.0	+0.99	13 0	+0.99
16	P.	5.0	+0.25	5 20—10 10	+0.29	2		16.1	-0.03	16 6	-0.03
16		7.0	+0.33			2		19.5	-0.55	19 20—19 25	-0.55
16		10.7	+0.30			2	P.-M.	20.9	-0.70	21 0—21 10	-0.70
18	L.-P.	20.1	+0.02	19 55—20 0	+0.02						

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1911 Feb. 3	P.	h 0.8	" -1.30	h m h m 0 30—0 35	" -1.30	1911 Feb. 23	P.	h 14.6 17.0	" -1.66 -1.84	h m h m 15 5—16 10	" -1.75
4	L.-P.	21.3	-0.08	21 5—21 15	-0.08	23	P.-M.	22.2	-0.45	22 25—22 30	-0.45
4	L.	1.7	-0.99	1 42	-0.99	24	P.	3.2	-1.16	3 45—6 20	-1.35
4		4.9	-1.43	4 54	-1.43	24		6.0	-1.54		
4		7.8	-0.95	7 48	-0.95	24	L.	14.2	-0.89	14 0—17 10	-0.90
5	P.	1.6	-1.86	1 36	-1.86	24		17.5	-0.90		
5		4.1	-1.23	4 6	-1.23	25	L.-P.	22.4	-0.58	22 30—22 35	-0.58
6	P.	19.9	-0.12	19 35—19 40	-0.12	25	L.	3.9	-2.14	3 54	-2.14
6	P.-M.	21.2	+0.21	21 20—21 25	+0.21	25		6.2	-1.29	6 12	-1.29
7	P.	2.8	-1.27	2 50—6 20	-1.11	26	M.	21.9	-0.67	21 35—22 45	-0.67
7		6.0	-0.95			26	M.-P.	22.4	-0.67	22 35—22 40	-0.67
9	P.	17.0	+0.10	17 0	+0.10	27	M.	4.4	-1.33	4 5—6 20	-1.37
9		19.6	-0.41	19 36	-0.41	27		6.1	-1.41		
9	P.-M.	21.4	-0.47	21 30—21 35	-0.47	27	P.	16.4	-2.79	16 5—18 20	-2.79
10	P.	3.6	-1.34	3 5—3 50	-1.45	28	L.-P.	22.6	-1.18	21 50—22 50	-1.18
10		4.7	-1.56	4 42	-1.56	Mar. 1	L.	4.7	-1.78	4 55—6 20	-1.88
10		8.1	-1.09	8 6	-1.09	1		6.6	-1.97		
10	M.	13.7	-0.68	13 25—15 25	-0.72	2	P.	17.5	-1.67	17 20—18 35	-1.67
10		15.8	-0.76			2		22.3	-1.64	22 0—22 5	-1.64
10	M.-P.	21.4	-0.25	21 35—21 40	-0.25	2	P.-M.	22.7	-1.46	22 50—22 55	-1.46
12	P.	8.7	-1.58	9 0—10 5	-1.56	3	P.	3.6	-2.28	3 20—6 20	-2.50
12		10.4	-1.54			3		6.0	-2.71		
12	L.	13.7	-1.21	13 25—16 10	-1.24	6	M.	3.8	-1.59	3 55—6 20	-1.72
12		15.9	-1.27			6		6.6	-1.85		
13	L.-P.	21.9	-0.83	21 40—21 50	-0.83	6	P.	16.5	-2.27	16 55—18 35	-2.25
13	L.	3.5	-1.47	3 5—6 20	-1.61	6		18.7	-2.23		
13		6.2	-1.75			8	L.	5.1	-1.56	5 20—6 25	-1.40
13	P.	9.7	-1.43	9 42	-1.43	8		6.7	-1.25		
13		11.4	-1.89	11 24	-1.89	8	M.	16.4	-1.63	16 24	-1.63
17	P.-M.	22.2	-0.94	21 55—22 5	-0.94	8		18.7	-0.72	18 42	-0.72
17	P.	3.2	-1.32	3 15	-1.32	8		23.0	-1.61	22 40—22 45	-1.61
17		6.0	-1.90	6 0	-1.90	8	M.-P.	23.1	-1.30	23 10—23 20	-1.30
18	P.	14.4	-1.03	14 30—16 10	-1.01	9	M.	4.7	-2.80	4 55—7 10	-2.76
18		16.4	-0.99	16 21	-0.99	9		6.8	-2.72		
18		18.6	-0.31	18 36	-0.31	9	P.	16.7	-2.21	17 20—18 20	-2.21
20	P.	14.7	+0.14	14 42	+0.14	9		22.8	-2.30	22 50—22 55	-2.30
20		16.6	+0.86	16 33	+0.86	9	P.-M.	23.2	-2.72	23 15—23 25	-2.72
20		18.7	+1.25	18 42	+1.25	10	P.	4.5	-2.91	4 30	-2.91
20		21.2	+0.57	21 0—21 5	+0.57	10		8.8	-2.41	8 51	-2.41
20	P.-L.	22.1	+0.15	22 10—22 20	+0.15	10	L.	16.5	-2.33	16 30	-2.33
21	P.	3.6	-1.04	3 45—6 20	-1.00 ¹	10		18.7	-0.98	18 42	-0.98
21		6.6	-0.96			10	L.-P.	23.2	-1.09	22 55—23 25	-1.09
22	M.	18.1	-0.72	17 20—18 55	-0.72	11	L.	4.5	-1.90	4 55—9 50	-1.78
22	M.-L.	22.2	-0.81	21 10—22 25	-0.81	11		9.6	-1.65		
23	M.	4.3	-2.07	3 45—6 20	-2.04						
23		6.2	-2.02								

¹ Used + 2".88, for δ Orionis; reduced with two microscopes.

TABLE XXII.—*The Zenith Point Corrections*—Continued.

Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.	Date.	Obs'r and Ass't.	Sid. Time.	Obs'd Corr.	Sidereal Time.	Adopted Corr.
1911 Mar. 14	L.-P.	^h 23.2	" -1.13	^h ^m ^h ^m 23 20—23 40	" -1.13	1911 Mar. 27	M.	^h 9.2	" -3.80	^h ^m ^h ^m 8 50—10 15	" -3.80
15	L.	11.3	-2.66	11 45—13 0	-2.58	27	P.	17.0	-3.00	17 20—19 15	-2.84
15		13.4	-2.51			27		19.4	-2.68		
15	M.	16.8	-3.08	16 48	-3.08	28	P.-M.	0.6	-2.65	0 20—1 0	-2.65
15		18.8	-1.72	18 48	-1.72	28	P.	5.0	-2.88	5 20—7 40	-2.98
16	M.-P.	23.8	-1.11	23 40—23 45	-1.11	28		7.9	-3.07		
16	M.	4.9	-2.15	5 5—7 0	-2.08	28	L.	16.9	-2.34	17 20—18 55	-2.19
16		6.8	-2.00			28		18.8	-2.04		
16	P.	12.6	-1.87	13 5—14 15	-1.94	29	L.-P.	0.7	-1.12	0 25—0 35	-1.12
16		14.6	-2.01			29	L.	8.0	-2.26	8 0	-2.26
16		16.4	-1.83	16 55—18 55	-1.64	29		9.3	-1.71	9 18	-1.71
16		18.7	-1.44			30	M.-P.	0.6	-1.80	0 30—0 35	-1.80
16	P.-M.	23.6	-1.18	23 40—23 50	-1.18	30	M.	0.8	-1.47	1 10—1 15	-1.47
17	P.	4.8	-2.52	4 48	-2.52	30		5.1	-2.19	5 35—9 30	-2.06
17		6.9	-3.05	6 54	-3.05	30		9.1	-1.94		
18	P.	14.8	-3.14	14 50—16 10	-2.98	30	P.	17.0	-1.98	16 57	-1.98
18		16.4	-2.82			30		19.5	-1.19	19 30	-1.19
19	M.-P.	23.8	-1.52	23 55—0 0	-1.52	31	P.-M.	0.7	-1.40	0 35—0 40	-1.40
20	M.	5.8	-2.48	6 0—7 0	-2.53	31	P.	5.1	-1.90	5 10	-1.90
20		7.3	-2.58			31		7.9	-2.45	7 54	-2.45
20	P.	15.6	-2.21	16 0—18 55	-2.10	31	L.	17.0	-2.25	17 20—19 15	-2.27
20		18.7	-2.00			31		19.4	-2.29		
20	P.-M.	23.8	-1.22	23 55—0 5	-1.22	Apr. 1	L.-P.	0.8	-1.41	0 35—0 45	-1.41
21	P.	4.6	-0.57	5 5—7 15	-0.78	1	L.	6.7	-1.96	6 55—9 30	-2.16
21		7.4	-0.99			1		9.2	-2.37		
21	L.	16.3	-1.68	16 5—18 55	-1.80	6	M.-P.	1.1	-2.99	0 55—1 0	-2.99
21		18.8	-1.92			6	M.	2.2	-2.66	1 55—2 0	-2.66
22	L.-P.	23.9	-1.85	0 0—0 5	-1.85	6		5.0	-2.98	5 20—6 20	-2.98
23	M.-P.	0.4	-1.88	0 0—0 10	-1.88	6	P.	17.2	-3.01	17 30—18 20	-2.80
23	M.	5.1	-2.59	5 20—7 25	-2.79	6		18.6	-2.58		
23		7.6	-2.99			9	L.	9.9	-2.22	10 0—11 10	-2.16
23	P.	15.9	-2.41	15 54	-2.41	9		11.4	-2.10		
23		17.3	-1.89	17 18	-1.89	9	M.	16.6	-1.80	16 36	-1.80
23		19.7	-1.23	19 42	-1.23	9		19.4	-0.71	19 42	-0.88
24	P.-M.	0.3	-1.55	0 5—0 30	-1.55	9		20.0	-1.05		
24	P.	5.0	-2.06	5 20—7 25	-2.26	10	M.-P.	1.4	-1.77	1 10—1 15	-1.77
24		7.6	-2.47			10	M.	2.1	-1.89	2 20—21 25	-1.89
24	L.	16.4	-1.47	16 30—19 15	-1.54	10	M.	4.9	-1.79	4 54	-1.79
24		19.8	-1.60			10		8.0	-2.18	8 0	-2.18
25	L.-P.	0.4	-1.85	0 10—0 20	-1.85	10		11.8	-2.23	8 10—11 35	-2.20
25	L.	5.1	-2.62	5 6	-2.62	10	P.	17.0	-2.84	17 20—19 0	-2.76
25		7.6	-3.23	7 36	-3.23	10		19.2	-2.69		
27	M.-P.	0.5	-2.90	0 20—0 50	-2.90						

RESULTS OF OBSERVATIONS OF THE
SUN, MOON, AND PLANETS.

[For explanation, see page A CLXVI.]

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1903				h m s	s	s	s		° ' "	"	' "	"
Sept. 5.0	L.	W.	.	10 53 23.88	+0.02	64.26	+0.02	.	+ 7 5 7.0	+0.7	15 52.8	-1.1
7.0	L.	.	.	11 0 36.91	+0.07	64.20	+0.02	.	+ 6 20 32.4	+0.6	15 53.8	-0.6
10.0	L.	.	.	11 11 24.85	-0.01	64.18	+0.07	.	+ 5 12 55.8	+2.1	15 54.5	-0.6
11.0	R.	.	.	11 15 0.58	+0.02	63.97	-0.12	.	+ 4 50 9.5	-0.3	15 53.8	-1.6
12.0	L.	.	.	11 18 36.23	+0.08	64.04	-0.03	.	+ 4 27 20.9	0.0	15 53.8	-1.8
14.0	L.	.	.	11 25 47.12	+0.05	64.02	-0.02	.	+ 3 41 30.0	+0.8	15 54.8	-1.3
15.0	R.	.	.	11 29 22.51	+0.07	63.94	-0.09	.	+ 3 18 27.3	+0.3	15 55.1	-1.3
16.0	L.	.	.	11 32 57.80	+0.01	63.97	-0.05	.	+ 2 55 21.8	+0.7	15 55.7	-0.9
21.0	R.	.	.	11 50 54.70	+0.06	64.04	+0.01	.	+ 0 59 7.0	-0.5	15 58.9	+1.0
23.0	R.	.	.	11 58 5.76	+0.01	63.98	-0.08	.	+ 0 12 24.3	+0.3	15 57.1	-1.3
24.0	L.	.	.	12 1 41.46	+0.01	64.08	+0.01	.	- 0 10 58.5	+0.7	15 57.8	-0.9
25.0	R.	.	.	12 5 17.26	0.00	64.06	-0.03	.	- 0 34 21.2	+1.8	15 58.6	-0.4
26.0	L.	.	.	12 8 53.27	+0.06	64.16	+0.04	.	- 0 57 46.4	+0.6	15 58.4	-0.8
28.0	L.	.	.	12 16 5.62	+0.02	64.24	+0.05	.	- 1 44 34.2	+0.2	15 59.6	-0.2
29.0	R.	.	.	12 19 42.10	+0.03	64.27	+0.05	.	- 2 7 56.5	+0.4	16 0.2	+0.1
30.0	L.	.	.	12 23 18.84	+0.07	64.32	+0.07	.	- 2 31 18.6	-0.3	15 59.8	-0.6
Oct. 1.0	R.	.	.	12 26 55.80	+0.09	64.28	-0.01	.	- 2 54 38.4	-0.1	15 59.6	-1.1
5.0	R.	.	.	12 41 26.36	+0.08	64.43	-0.05	.	- 4 27 35.3	+0.5	16 1.1	-0.7
12.0	L.	.	.	13 7 4.31	+0.03	64.94	+0.03	.	- 7 7 57.3	+0.8	16 3.5	-0.2
13.0	Br.	.	.	13 10 45.95	+0.08	65.00	+0.01	.	- 7 30 32.6	+0.2	16 4.1	+0.1
14.0	R.	.	.	13 14 27.90	-0.09	65.04	-0.03	.	- 7 53 2.4	-1.0	16 3.7	-0.5
19.0	L.	.	.	13 33 7.22	+0.06	65.53	+0.04	.	- 9 43 38.8	+0.6	16 5.0	-0.6
20.0	Br.	.	.	.....	.....	.....	.....	.	-10 5 23.0	+0.3	16 5.2	-0.6
21.0	R.	.	.	.....	.....	.....	.....	.	-10 26 58.5	-0.3	16 6.2	+0.1
22.0	L.	.	.	.....	.....	.....	.....	.	-10 48 24.2	-0.2	16 5.6	-0.8
24.0	R.	.	.	.....	.....	.....	.....	.	-11 30 45.8	+0.2	16 6.1	-0.8
26.0	L.	.	.	13 59 40.42	-0.02	66.22	+0.05	.	-12 12 24.4	+1.6	16 6.7	-0.7
27.0	Br.	.	.	14 3 30.82	+0.04	66.26	-0.01	.	-12 32 59.1	+0.1	16 7.6	-0.1
28.0	R.	.	.	14 7 21.92	+0.08	66.38	0.00	.	-12 53 21.1	-0.3	16 8.0	0.0
29.0	L.	.	.	14 11 13.71	+0.08	66.56	+0.07	.	-13 13 29.4	+0.9	16 7.5	-0.8
Nov. 3.0	Br.	.	.	14 30 44.11	+0.08	67.00	-0.05	.	-14 51 1.7	+0.1	16 8.9	-0.6
4.0	R.	.	.	14 34 40.61	+0.14	67.08	-0.08	.	-15 9 49.6	+0.6	16 7.9	-1.9
5.0	L.	.	.	14 38 37.79	+0.06	67.36	+0.08	.	-15 28 22.6	+1.1	16 9.6	-0.4
6.0	Br.	.	.	14 42 35.85	+0.02	67.38	-0.02	.	-15 46 40.3	+1.5	16 10.1	-0.2
7.0	R.	.	.	14 46 34.89	+0.13	67.56	+0.05	.	-16 4 42.5	+1.8	16 9.6	-0.9
9.0	L.	.	.	14 54 35.34	+0.16	67.76	+0.01	.	-16 39 59.9	+0.8	16 10.0	-1.0
10.0	Br.	.	.	14 58 36.72	+0.03	67.86	-0.01	.	.....	.....	.....	.....
11.0	R.	.	.	15 2 39.12	+0.06	67.93	-0.06	.	-17 14 9.4	+0.3	16 11.0	-0.4
12.0	L.	.	.	15 6 42.32	+0.01	68.06	-0.05	.	-17 30 46.3	+1.5	16 9.7	-1.9
13.0	Br.	.	.	.....	.....	.....	.....	.	-17 47 8.5	-0.6	16 10.5	-1.3
21.0	Br.	.	.	15 43 50.30	0.00	69.14	-0.02	.	-19 46 10.7	+0.1	16 12.4	-1.1
24.0	Br.	.	.	15 56 27.79	0.00	69.52	+0.03	.	-20 25 1.7	+1.9	16 13.4	-0.7
25.0	R.	.	.	16 0 41.79	-0.03	69.54	-0.06	.	-20 37 16.1	+0.2	16 11.8	-2.4
28.0	R.	.	.	16 13 28.39	+0.02	69.85	-0.05	.	-21 11 34.4	+0.5	16 12.7	-2.1
30.0	L.	.	.	16 22 2.85	-0.07	70.09	-0.01	.	-21 32 26.4	+1.3	16 14.0	-1.1
Dec. 1.0	Br.	.	.	16 26 21.30	+0.10	70.19	0.00	.	-21 42 16.4	+1.0	16 14.7	-0.6
4.0	R.	.	.	.....	.....	.....	.....	.	-22 9 15.7	-0.1	16 15.1	-0.6
5.0	Br.	.	.	.....	.....	.....	.....	.	-22 17 24.0	0.0	16 16.6	+0.7
7.0	R.	.	.	16 52 23.82	-0.03	70.60	-0.06	.	-22 32 21.4	+1.1	16 15.2	-0.9
8.0	Br.	.	.	16 56 46.23	-0.03	70.72	-0.01	.	-22 39 11.5	+0.7	16 15.3	-0.9
10.0	Br.	.	.	17 5 32.56	-0.07	70.84	-0.02	.	-22 51 31.6	-0.2	16 15.6	-0.9
11.0	R.	.	.	17 9 56.50	0.00	70.86	-0.05	.	-22 57 0.0	+0.6	16 16.0	-0.6
12.0	Br.	.	.	17 14 20.80	0.00	70.97	0.00	.	-23 2 1.8	+0.7	16 16.1	-0.6
15.0	Br.	.	.	17 27 35.94	0.00	71.08	-0.02	.	-23 14 22.5	+0.9	16 17.0	0.0
17.0	Br.	W.	.	17 36 27.62	+0.08	71.26	+0.09	.	-23 20 17.9	+0.6	16 16.9	-0.2

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1903				h m s	s	s	s		° ' "	"	' "	"
Dec. 18.0	M.	W.	.	17 40 53.59	-0.09	71.06	-0.13	.	-23 22 33.4	+0.6	16 16.4	-0.8
19.0	R.		.	17 45 20.17	+0.16	71.18	-0.03	.	-23 24 20.0	+1.5	16 15.3	-2.0
22.0	Br.		.	17 58 39.66	-0.01	71.30	+0.05	.	-23 26 55.5	-1.0	16 17.8	+0.3
23.0	R.		.	18 3 6.24	-0.09	71.23	-0.02	.	-23 26 49.3	-0.3	16 16.8	-0.8
26.0	R.		.	18 16 26.10	-0.02	71.26	+0.02	.	-23 23 43.0	-0.3	16 15.3	-2.4
28.0	M.		.	18 25 18.87	+0.07	71.24	+0.04	.	-23 19 16.5	+0.7	16 16.1	-1.7
29.0	Br.		.	18 29 44.75	-0.13	71.38	+0.21	.	-23 16 22.8	-0.6	16 17.8	0.0
30.0	R.		.	18 34 10.73	0.00	71.16	+0.02	.	-23 12 59.4	0.0	16 17.4	-0.4
31.0	Br.		.	18 38 36.32	-0.03	71.12	+0.01	.	-23 9 8.4	+0.2	16 17.0	-0.9
1904												
Jan. 14.0	Br.		.	19 39 54.25	-0.01	70.28	+0.04	.	-21 27 50.0	+1.2	16 17.0	-0.5
15.0	M.		.	19 57 5.40	-0.01	69.88	+0.02	.	-21 17 20.5	+1.8	16 16.9	-0.6
18.0	M.		.	19 57 5.40	-0.01	69.88	+0.02	.	-20 43 28.5	+1.1	16 17.5	+0.3
21.0	Br.		.	20 26 41.69	-0.05	69.06	-0.08	.	-20 6 3.4	+1.0	16 16.2	-0.8
25.0	M.		.	20 26 41.69	-0.05	69.06	-0.08	.	-19 10 56.6	+0.7	16 12.9	[-3.7]
27.0	R.		.	20 35 2.11	+0.02	68.94	+0.02	.	-18 41 15.2	+0.6	16 15.1	-1.3
30.0	R.		.	20 47 26.39	0.00	68.52	-0.05	.	-17 54 11.9	+0.3	16 15.2	-0.8
Feb. 3.0	R.		.	21 3 47.14	-0.04	68.14	+0.03	.	-16 47 1.6	-0.6	16 13.8	-1.6
4.0	Br.		.	21 7 50.40	+0.06	68.07	+0.07	.	-16 29 27.2	+1.0	16 16.0	+0.7
8.0	Br.		.	21 23 54.85	-0.14	67.57	+0.02	.	-15 16 28.6	+0.2	16 15.6	+1.0
9.0	Br.		.	21 27 54.12	-0.06	67.42	-0.01	.	-14 57 32.9	+1.1	16 11.9	-2.5
11.0	Br.		.	21 43 43.31	+0.08	67.06	+0.07	.	-14 18 59.5	-0.1	16 14.1	0.0
13.0	R.		.	21 51 33.16	-0.06	66.68	-0.09	.	-13 39 26.8	+0.8	16 12.9	-0.8
15.0	M.		.	22 10 55.44	-0.02	66.28	+0.02	.	-12 59 1.2	+0.8	16 12.8	-0.5
20.0	R.		.	22 22 24.50	+0.01	65.98	0.00	.	-11 14 25.7	-0.6	16 11.7	-0.6
23.0	Br.		.	22 26 12.87	+0.02	65.84	-0.05	.	-10 9 30.1	-0.1	16 11.4	-0.2
24.0	M.		.	22 30 0.56	-0.02	65.90	+0.10	.	-9 47 32.1	+0.6	16 10.8	-0.6
25.0	Br.		.	23 0 1.79	-0.15	65.28	+0.09	.	-9 25 26.0	+0.6	16 11.1	-0.1
Mar. 4.0	M.		.	23 3 44.97	+0.08	65.13	0.00	.	-6 24 8.0	-0.2	16 9.1	-0.2
5.0	R.		.	23 14 51.39	+0.09	65.00	+0.05	.	-6 1 1.3	-1.4	16 6.8	-2.2
8.0	Br.		.	23 18 32.67	-0.03	64.90	0.00	.	-4 51 8.3	-0.4	16 8.2	0.0
9.0	R.		.	23 22 13.84	+0.08	64.76	-0.08	.	-4 27 43.0	-0.7	16 8.0	0.0
10.0	M.		.	23 44 13.98	-0.08	64.55	-0.04	.	-4 4 11.0	+2.4	16 6.4	-1.3
16.0	R.		.	23 47 53.23	-0.04	64.56	0.00	.	-1 42 29.4	-1.2	16 5.6	-0.5
17.0	R.		.	23 51 32.23	-0.06	64.54	0.00	.	-1 18 46.0	-0.3	16 5.3	-0.5
18.0	Br.		.	23 55 11.08	-0.05	64.45	-0.07	.	-0 31 20.1	-0.1	16 2.9	-2.4
19.0	M.		.	0 13 23.32	+0.04	64.42	-0.02	.	+ 1 27 1.4	0.0	16 3.4	-0.5
24.0	Br.		.	0 31 33.78	+0.03	64.50	+0.06	.	+ 3 24 27.9	+0.3	16 3.4	+0.8
29.0	M.		.	0 35 11.84	-0.04	64.41	-0.04	.	+ 3 47 45.9	-0.5	16 1.1	-1.2
30.0	M.		.	0 46 6.68	-0.07	64.50	+0.01	.	+ 5 43 9.2	-0.7	16 1.0	+0.1
Apr. 2.0	R.		.	0 53 24.00	+0.02	64.60	+0.06	.	+ 6 5 57.9	-0.3	16 0.8	+0.2
4.0	Br.		.	0 57 2.92	+0.06	64.68	+0.11	.	+ 6 51 15.7	-0.1	15 59.7	-0.4
5.0	R.		.	1 4 21.30	+0.06	64.60	-0.03	.	+ 9 4 11.0	-0.6	15 57.7	-0.7
7.0	M.		.	1 26 22.54	-0.07	64.84	-0.03	.	+ 9 47 21.8	-0.2	15 56.8	-1.0
13.0	Br.		.	1 37 27.49	-0.08	64.98	-0.04	.	+10 8 41.6	-1.3	15 57.9	+0.3
15.0	M.		.	1 44 52.63	-0.05	65.12	-0.01	.	+10 50 53.6	-0.5	15 57.6	+0.5
18.0	R.		.	1 48 35.89	+0.08	65.22	+0.03	.	+11 11 42.8	-0.9	15 56.7	-0.1
19.0	Br.		.	1 52 19.19	-0.15	65.21	-0.04	.	+11 32 19.9	-2.4	15 56.9	+0.3
20.0	M.		.	1 56 3.32	+0.05	65.30	-0.01	.	+11 52 49.6	+0.1	15 55.5	-0.8
21.0	R.		.	1 59 47.70	+0.07	65.43	+0.05	.	+12 13 3.6	-1.3	15 57.5	+1.5
22.0	Br.		.	2 41 26.71	-0.05	66.23	+0.03	.	+13 12 37.3	+0.2	15 54.5	-0.8
25.0	R.		.					.	+14 28 56.1	+0.4	15 54.2	-0.1
29.0	R.		.					.	+15 41 25.2	-0.2	15 53.0	-0.4
May 3.0	Br.	W.	.					.				

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1904				h m s	s	s	s		° ' "	"	' "	"
May 4.0	M.	W.	.	2 45 17.01	-0.12	66.11	-0.17	.	+15 58 54.2	-0.6	15 50.9	-2.2
5.0	R.	.	.	2 49 8.10	+0.03	66.36	0.00	.	+16 16 8.4	0.0	15 51.7	-1.2
6.0	Br.	.	.	2 52 59.58	0.00	66.40	-0.04	.	+16 33 5.2	-0.7	15 53.7	+1.0
9.0	R.	.	.	3 4 37.72	+0.07	66.66	-0.02	.	+17 22 17.9	-0.7	15 50.8	-1.2
11.0	M.	.	.	3 12 25.92	-0.06	66.84	0.00	.	+17 53 40.7	-0.3	15 51.3	-0.3
12.0	R.	.	.	3 16 21.01	-0.01	66.92	-0.01	.	+18 8 54.3	-1.1	15 50.7	-0.7
13.0	Br.	.	.	3 20 16.62	-0.04	67.02	+0.01	.	+18 23 51.5	-0.1	15 50.9	-0.2
14.0	M.	.	.	3 24 12.80	-0.08	66.96	-0.13	.	+18 38 28.5	-0.8	15 50.3	-0.6
16.0	R.	.	.	3 32 7.08	+0.05	67.33	+0.08	.	+19 6 47.7	-0.3	15 51.1	+0.6
25.0	R.	.	.	4 8 7.43	0.00	67.90	-0.03	.	+20 57 40.3	-1.0	15 48.2	-0.8
26.0	Br.	.	.	4 12 10.00	0.00	68.06	+0.06	.	+21 8 14.8	-0.6	15 48.4	-0.4
27.0	R.	.	.	4 16 13.07	+0.03	68.02	-0.05	.	+21 18 27.4	-0.2	15 47.8	-0.8
28.0	Br.	.	.	4 20 16.56	+0.01	68.14	+0.01	.	+21 28 16.8	-0.8	15 49.0	+0.5
31.0	Br.	.	.	4 32 29.69	-0.09	68.34	+0.02	.	+21 55 33.9	+0.6	15 48.9	+0.9
June 4.0	Br.	.	.	4 48 53.25	-0.07	68.50	-0.04	.	+22 26 33.3	-0.4	15 47.2	-0.3
6.0	Br.	.	.	4 57 7.27	-0.09	68.68	+0.04	.	+22 39 43.2	-0.2	15 48.6	+1.4
8.0	Br.	.	.	5 5 22.75	+0.03	68.73	+0.01	.	+22 51 18.0	+0.1	15 47.6	+0.6
9.0	R.	.	.	5 9 30.98	+0.14	68.84	+0.09	.	+22 56 28.8	-0.4	15 46.4	-0.5
11.0	M.	.	.	5 17 47.77	-0.08	68.73	-0.09	.	+23 5 39.4	+0.2	15 46.3	-0.4
13.0	R.	.	.	5 26 5.83	+0.09	68.90	+0.04	.	+23 13 11.9	+0.2	15 46.0	-0.5
14.0	Br.	.	.	5 30 14.98	+0.04	68.92	+0.04	.	+23 16 22.3	+1.1	15 46.7	+0.3
15.0	M.	.	.	5 34 24.26	-0.02	68.81	-0.09	.	+23 19 5.7	-0.4	15 46.0	-0.3
16.0	R.	.	.	5 38 33.80	+0.08	68.84	-0.07	.	+23 21 25.2	-1.1	15 45.4	-0.9
18.0	M.	.	.	5 46 52.77	-0.06	68.96	+0.03	.	+23 24 52.9	+0.3	15 46.6	+0.5
20.0	R.	.	.	5 55 12.16	+0.12	68.86	-0.08	.	+23 26 39.4	-0.3	15 45.5	-0.5
22.0	M.	.	.	6 3 31.10	-0.06	68.90	-0.04	.	+23 26 48.0	+0.4	15 45.3	-0.6
23.0	R.	.	.	6 7 40.68	+0.05	68.94	+0.01	.	+23 26 13.7	-0.7	15 45.9	0.0
24.0	Br.	.	.	6 11 50.00	-0.01	68.93	+0.01	.	+23 25 15.4	-1.0	15 46.5	+0.7
25.0	M.	.	.	6 15 59.18	-0.10	68.86	-0.04	.	+23 23 52.7	-0.9	15 45.5	-0.3
26.0	M.	.	.	6 32 34.85	-0.04	68.82	+0.01	.	+23 14 15.8	0.0	15 44.4	-1.3
30.0	R.	.	.	.....	.....	.....	.....	.	+23 10 49.9	-0.2	15 44.1	-1.6
July 1.0	Br.	.	.	.....	.....	.....	.....	.	+23 7 0.3	+0.3	15 49.4	[+3.7]
2.0	M.	.	.	.....	.....	.....	.....	.	+23 2 45.7	0.0	15 45.0	-0.7
8.0	Br.	.	.	.....	.....	.....	.....	.	+22 28 57.1	+0.5	15 46.6	+0.9
11.0	R.	.	.	7 21 57.43	+0.09	68.24	-0.01	.	+22 6 43.9	-1.1	15 44.5	-1.3
12.0	Br.	.	.	7 26 1.82	-0.03	68.13	-0.06	.	.....	.....	.....	.....
13.0	M.	.	.	7 30 5.80	-0.10	68.06	-0.06	.	+21 50 3.8	+0.8	15 44.7	-1.1
14.0	R.	.	.	7 34 9.56	+0.09	68.06	0.00	.	+21 41 8.5	+0.2	15 46.3	+0.4
15.0	Br.	.	.	7 38 12.57	+0.02	68.00	+0.01	.	+21 31 51.6	+0.2	15 45.6	-0.3
16.0	M.	.	.	7 42 15.08	-0.04	67.84	-0.08	.	+21 22 12.2	-0.3	15 45.3	-0.7
18.0	M.	.	.	7 50 18.55	-0.09	67.68	-0.09	.	+21 1 50.1	+0.3	15 44.5	-1.6
19.0	Br.	.	.	7 54 19.57	0.00	67.69	-0.01	.	+20 51 6.4	+0.1	15 46.8	+0.6
20.0	T.	.	.	7 58 20.09	+0.16	67.54	-0.08	.	+20 40 2.8	+1.0	15 47.0	+0.7
21.0	M.	.	.	8 2 19.61	-0.10	67.50	-0.04	.	+20 28 37.1	+0.6	15 45.2	-1.2
26.0	Br.	.	.	8 22 9.73	-0.04	67.12	0.00	.	+19 26 26.7	+0.8	15 47.0	+0.2
27.0	T.	.	.	8 26 5.93	-0.07	66.94	-0.09	.	+19 12 59.7	-1.1	15 46.2	-0.7
29.0	Br.	.	.	8 33 56.69	+0.03	66.85	-0.01	.	+18 45 13.8	+0.2	15 46.8	-0.4
30.0	M.	.	.	8 37 51.01	-0.08	66.70	-0.08	.	.....	.....	.....	.....
Aug. 2.0	Br.	.	.	8 49 30.81	-0.02	66.46	-0.06	.	+17 45 59.5	+0.4	15 46.5	-1.1
3.0	T.	.	.	8 53 22.84	-0.05	66.40	-0.03	.	+17 30 26.0	-0.3	15 46.1	-1.6
4.0	M.	.	.	8 57 14.24	-0.13	66.26	-0.08	.	+17 14 35.4	-0.9	15 46.6	-1.3
6.0	T.	.	.	9 4 55.57	-0.01	66.17	+0.01	.	+16 42 6.0	-0.1	15 46.1	-1.5
9.0	Br.	.	.	9 16 23.05	-0.04	65.88	-0.02	.	+15 51 20.3	+0.4	15 48.6	-0.5
10.0	T.	.	.	9 20 11.09	-0.02	65.78	-0.04	.	+15 33 53.8	+0.3	15 48.6	-0.1
12.0	Br.	W.	.	9 27 45.44	-0.02	65.68	+0.02	.	+14 58 16.1	0.0	15 49.5	+0.4

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	(lamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1904				h m s	s	s	s		° ' "	"	' "	"
Aug. 13.0	T.	W.	.	9 31 31.83	+0.05	65.53	-0.05	.	+14 40 5.5	-0.3	15 48.7	-0.5
15.0	Br.	W.	.	9 39 2.84	+0.08	65.48	+0.05	.	+14 3 3.3	0.0	15 49.4	-0.2
Sept. 7.0	M.	E.	.	11 3 19.51	-0.04	64.12	-0.02	.	+ 6 3 39.8	+1.8	15 53.6	-0.9
8.0	T.		.	11 6 55.79	+0.04	64.10	-0.02	.	+ 5 41 7.6	+1.7	15 52.9	-1.8
9.0	M.		.	.....	.....	.....	.....	.	+ 5 18 29.0	+1.0	15 54.3	-0.7
12.0	M.		.	11 21 19.07	+0.02	64.00	-0.05	.	+ 4 10 3.5	-0.1	15 54.7	-1.1
15.0	T.		.	11 32 5.33	-0.01	63.98	-0.04	.	+ 3 0 59.7	-0.3	15 55.6	-0.9
16.0	M.		.	11 35 40.63	-0.01	64.00	-0.01	.	+ 2 37 51.5	-0.1	15 56.1	-0.7
17.0	T.		.	11 39 15.87	-0.03	63.99	-0.02	.	+ 2 14 42.2	+1.9	15 56.5	-0.6
19.0	M.		.	11 46 26.46	+0.05	63.98	-0.04	.	+ 1 28 9.3	-0.8	15 56.9	-0.7
21.0	M.		.	11 53 36.98	-0.05	64.05	+0.01	.	+ 0 41 32.2	+0.4	15 57.4	-0.8
22.0	T.		.	11 57 12.31	-0.14	63.96	-0.09	.	+ 0 18 10.8	+0.3	15 57.8	-0.6
23.0	M.		.	12 0 47.84	-0.13	64.10	+0.03	.	- 0 5 10.9	+1.0	15 58.0	-0.7
24.0	T.		.	12 4 23.70	+0.09	64.01	-0.08	.	- 0 28 35.0	-0.1	15 57.1	-1.9
26.0	M.		.	12 11 35.31	-0.06	64.10	-0.04	.	- 1 15 21.6	+0.2	15 58.1	-1.4
27.0	T.		.	.....	.....	.....	.....	.	- 1 38 44.4	+0.6	15 57.8	-2.0
Oct. 28.0	M.		.	12 18 47.78	-0.11	64.17	-0.03	.	- 2 2 6.7	+0.8	15 59.9	-0.2
1.0	T.		.	12 29 38.45	-0.11	64.28	-0.04	.	- 3 12 8.5	-0.4	16 0.3	-0.6
3.0	M.		.	12 36 53.83	0.00	64.36	-0.05	.	- 3 58 38.9	+0.2	15 59.4	-2.0
4.0	Br.		.	12 40 32.10	+0.11	64.56	+0.10	.	- 4 21 51.8	-1.0	16 2.9	+1.2
5.0	M.		.	12 44 10.40	-0.12	64.51	0.00	.	- 4 44 59.8	-0.4	16 0.7	-1.3
7.0	Br.		.	12 51 28.76	+0.01	64.62	0.00	.	- 5 31 4.6	+1.4	16 1.8	-0.7
8.0	M.		.	12 55 8.39	-0.09	64.68	0.00	.	- 5 54 3.4	-0.1	16 2.1	-0.7
10.0	M.		.	13 2 29.21	-0.06	64.84	+0.02	.	- 6 39 43.5	+0.2	16 2.0	-1.3
14.0	Br.		.	13 17 16.52	+0.01	65.15	+0.02	.	- 8 9 56.8	+0.2	16 3.8	-0.6
15.0	Y.		.	13 20 59.59	0.00	65.18	-0.03	.	- 8 32 14.3	-0.3	16 5.4	+0.7
17.0	M.		.	13 28 27.27	-0.14	65.32	-0.06	.	- 9 16 25.9	-0.3	16 3.8	-1.5
18.0	Br.		.	13 32 12.22	+0.04	65.48	+0.02	.	- 9 38 18.8	+0.8	16 6.0	+0.4
19.0	M.		.	13 35 57.49	-0.06	65.57	+0.02	.	-10 0 4.8	+0.3	16 5.9	+0.1
21.0	Br.		.	13 43 30.20	+0.05	65.76	+0.03	.	-10 43 8.8	+0.4	16 6.0	-0.4
24.0	M.		.	13 54 53.97	-0.04	66.12	+0.09	.	-11 46 32.4	0.0	16 7.3	+0.1
25.0	Br.		.	13 58 43.41	+0.06	66.14	0.00	.	-12 7 19.9	-0.7	16 7.7	+0.2
26.0	M.		.	14 2 33.36	-0.06	66.21	-0.04	.	-12 27 54.3	+0.5	16 6.2	-1.5
27.0	Y.		.	14 6 24.13	-0.10	66.35	-0.01	.	-12 48 18.8	+0.1	16 7.9	-0.1
28.0	Br.		.	14 10 15.77	-0.03	66.45	-0.01	.	-13 8 29.7	+1.4	16 7.3	-0.9
29.0	Y.		.	14 14 8.33	+0.18	66.48	-0.09	.	-13 28 30.4	+0.6	16 7.0	-1.5
Nov. 31.0	M.		.	14 21 55.15	-0.06	66.80	+0.01	.	-14 7 51.4	+1.0	16 8.7	-0.3
1.0	Br.		.	14 25 49.97	+0.01	66.92	+0.02	.	-14 27 12.3	+0.7	16 10.0	+0.8
2.0	M.		.	14 29 45.53	0.00	66.98	-0.04	.	-14 46 19.0	+0.8	16 7.7	-1.8
7.0	M.		.	14 49 35.82	-0.09	67.62	+0.01	.	-16 18 10.9	-0.2	16 10.6	0.0
8.0	Br.		.	.....	.....	.....	.....	.	-16 35 44.7	+0.8	16 10.2	-0.7
15.0	Br.		.	15 22 4.12	-0.05	68.60	+0.03	.	-18 30 32.3	+1.6	16 12.2	-0.3
16.0	M.		.	15 26 11.38	-0.07	68.68	-0.01	.	-18 45 42.4	+0.1	16 12.1	-0.6
17.0	Y.		.	15 30 19.55	0.00	68.76	-0.04	.	-19 0 31.2	-0.2	16 12.2	-0.7
18.0	Br.		.	15 34 28.46	-0.01	68.92	0.00	.	.....	.....	.....	.....
19.0	Y.		.	15 38 38.22	+0.01	68.92	-0.11	.	-19 29 6.4	0.0	16 12.8	-0.5
21.0	M.		.	15 46 59.98	-0.14	69.28	+0.03	.	-19 56 16.7	+0.4	16 12.7	-1.0
23.0	M.		.	15 55 25.26	+0.04	69.40	-0.07	.	-20 21 59.9	+0.5	16 13.2	-0.9
26.0	Y.		.	16 8 8.75	+0.02	69.72	-0.06	.	-20 57 43.5	+1.6	16 13.7	-0.9
28.0	M.		.	16 16 41.49	-0.03	69.96	-0.02	.	-21 19 37.5	+0.1	16 13.2	-1.7
30.0	M.		.	16 25 17.16	-0.05	70.15	-0.02	.	-21 39 53.1	+0.4	16 14.1	-1.1
Dec. 1.0	Br.		.	16 29 36.13	+0.03	70.22	-0.04	.	.....	.....	.....	.....
6.0	Br.		.	16 51 20.00	0.00	70.63	-0.01	.	-22 30 36.6	+0.9	16 15.2	+0.9
8.0	Br.		.	17 0 5.40	-0.06	70.82	+0.04	.	-22 44 3.0	+0.9	16 15.1	-1.2
13.0	Br.	E.	.	17 22 6.59	-0.01	71.08	+0.03	.	-23 9 46.6	+0.6	16 15.9	-1.0

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1904				h m s	"	s	s		° ' "	"	' "	"
Dec. 14.0	M.	E.	.	17 26 31.77	-0.09	71.12	+0.03	.	-23 13 33.1	+0.3	16 16.0	-1.0
16.0	M.	.	.	17 35 23.15	+0.01	71.10	-0.06	.	-23 19 41.7	+0.5	16 15.6	-1.6
21.0	M.	.	.	17 57 34.26	-0.05	71.20	-0.05	.	-23 26 52.1	+0.5	16 17.0	-0.6
22.0	Br.	.	.	18 2 0 8.7	+0.07	71.26	0.00	.	-23 26 52.4	+1.4	16 16.5	-1.1
23.0	M.	.	.	18 6 27.32	+0.02	71.18	-0.08	.	-23 26 27.3	-0.5	16 16.2	-1.5
29.0	Br.	.	.	18 33 4.92	-0.05	71.22	+0.06	.	-23 13 49.6	+2.1	16 17.3	-0.5
30.0	M.	.	.	18 37 30.74	0.00	71.14	+0.01	.	-23 10 6.3	+1.3	16 17.0	-0.8
31.0	Br.	.	.	18 41 56.33	+0.06	71.08	-0.01	.	-23 5 53.4	+1.9	16 17.8	0.0
1905												
Jan. 9.0	Y.	.	.	19 21 29.87	-0.02	70.51	-0.06	.	-22 7 37.4	+1.7	16 16.7	-1.0
10.0	Br.	.	.	19 25 51.22	0.00	70.50	+0.01	.	-21 19 57.9	-0.1	16 15.8	-1.7
14.0	M.	.	.	19 43 10.44	-0.03	70.04	-0.13	.	-20 57 57.9	+1.4	16 14.8	-2.6
16.0	Y.	.	.	19 56 2.90	-0.01	69.86	-0.03	.	-20 46 22.1	+1.7	16 15.9	-1.4
17.0	Br.	.	.	20 0 18.84	-0.12	69.84	+0.05	.	-20 34 24.3	+0.4	16 17.4	+0.2
18.0	M.	.	.					.				
19.0	Y.	.	.	20 4 34.29	+0.02	69.64	-0.05	.	-20 22 1.9	+0.4	16 16.4	-0.7
20.0	Br.	.	.	20 8 48.84	+0.01	69.55	-0.03	.	-20 9 15.9	+1.0	16 16.6	-0.4
21.0	M.	.	.	20 13 2.63	-0.01	69.44	-0.04	.	-19 56 7.7	+1.1	16 16.1	-0.9
23.0	Y.	.	.	20 21 27.96	+0.02	69.26	-0.01	.	-19 28 45.5	+0.5	16 16.8	0.0
28.0	M.	.	.	20 42 17.61	0.00	68.68	-0.04	.	-18 14 6.2	+1.3	16 15.5	-0.6
30.0	Y.	.	.	20 50 31.95	+0.01	68.47	-0.02	.	-17 41 54.4	+0.9	16 15.4	-0.4
Feb. 2.0	Y.	.	.	21 2 47.35	-0.01	68.16	+0.02	.	-16 51 14.6	+1.5	16 16.1	+0.7
6.0	Y.	.	.	21 18 56.59	+0.07	67.60	-0.08	.	-15 39 38.5	-0.3	16 13.8	-1.0
7.0	Br.	.	.	21 22 56.78	+0.01	67.54	-0.02	.	-15 21 2.2	+0.5	16 14.7	+0.1
10.0	Br.	.	.	21 34 52.74	+0.08	67.32	+0.09	.	-14 23 43.8	+0.6	16 13.9	-0.2
11.0	Br.	.	.	21 38 49.56	-0.12	67.24	+0.12	.	-14 4 7.2	+1.9	16 14.3	+0.4
14.0	Br.	.	.	21 50 36.06	+0.03	66.88	+0.09	.	-13 3 59.0	+2.9	16 13.1	-0.3
15.0	M.	.	.	21 54 29.88	-0.06	66.64	-0.05	.	-12 43 34.0	-0.4	16 12.3	-0.9
16.0	Y.	.	.	21 58 23.03	-0.07	66.59	0.00	.	-12 22 52.2	+1.1	16 12.3	-0.7
18.0	M.	.	.	22 6 7.20	-0.05	66.35	-0.04	.	-11 40 55.3	+2.1	16 12.5	-0.1
21.0	Br.	.	.	22 17 38.32	-0.02	66.10	+0.01	.	-10 36 41.4	+0.4	16 10.5	-1.4
24.0	Br.	.	.	22 29 3.66	0.00	65.86	+0.04	.	-9 30 57.1	+0.9	16 10.6	-0.6
25.0	M.	.	.	22 32 50.84	-0.07	65.68	-0.05	.	-9 8 44.9	+0.6	16 10.3	-0.7
27.0	M.	.	.	22 40 23.60	-0.16	65.46	-0.11	.	-8 23 56.0	+0.1	16 8.8	-1.7
Mar. 2.0	Y.	.	.	22 51 39.06	-0.02	65.40	+0.05	.	-7 15 47.6	-0.3	16 8.6	-1.2
6.0	Y.	.	.	23 6 32.75	-0.06	65.00	-0.09	.	-5 43 29.3	+1.0	16 9.2	+0.4
11.0	M.	.	.	23 25 0.48	-0.16	64.76	-0.05	.	-3 46 28.1	-0.4	16 6.5	-1.0
13.0	Y.	.	.	23 32 21.30	+0.01	64.68	-0.04	.	-2 59 16.7	+0.6	16 6.0	-1.0
14.0	Br.	.	.	23 36 1.26	+0.08	64.74	+0.06	.	-2 35 37.7	+1.3	16 6.5	-0.2
15.0	M.	.	.	23 39 40.82	+0.05	64.64	0.00	.	-2 11 57.8	+1.6	16 4.8	-1.6
16.0	Y.	.	.	23 43 20.07	-0.05	64.56	-0.04	.	-1 48 18.6	0.0	16 5.5	-0.7
17.0	Br.	.	.	23 46 59.23	+0.01	64.56	-0.01	.	-1 24 37.2	-0.2	16 4.9	-1.0
18.0	M.	.	.	23 50 37.97	-0.15	64.52	-0.03	.	-1 0 55.3	-0.3	16 4.5	-1.1
25.0	M.	.	.	0 16 6.43	-0.10	64.40	-0.04	.	+1 44 40.8	-1.1	16 2.9	-0.8
27.0	Y.	.	.	0 23 22.64	-0.06	64.38	-0.06	.	+2 31 44.4	-0.7	16 2.5	-0.7
28.0	Br.	.	.	0 27 0.75	-0.06	64.48	+0.04	.	+2 55 13.1	+0.7	16 1.9	-1.0
29.0	M.	.	.	0 30 38.90	-0.08	64.31	-0.13	.	+3 18 36.4	+0.1	16 1.1	-1.5
31.0	Br.	.	.	0 37 55.44	-0.07	64.48	+0.02	.	+4 5 13.1	+0.2	16 1.6	-0.4
Apr. 1.0	M.	.	.	0 41 33.82	-0.10	64.44	-0.03	.	+4 28 24.7	+0.2	16 0.1	-1.6
3.0	Y.	.	.	0 48 51.09	+0.01	64.42	-0.08	.	+5 14 33.8	+0.4	16 0.2	-1.0
4.0	Br.	.	.	0 52 29.80	-0.08	64.46	-0.06	.	+5 37 30.0	+0.4	16 0.3	-0.6
8.0	M.	.	.	1 7 6.76	-0.07	64.62	-0.02	.	+7 8 13.0	+0.3	15 58.4	-1.4
10.0	Y.	.	.	1 14 26.54	-0.04	64.64	-0.10	.	+7 52 52.0	0.0	15 57.6	-1.7
11.0	Br.	E.	.	1 18 6.76	-0.08	64.74	-0.04	.	+8 15 0.1	+0.5	15 58.9	-0.1
18.0	Br.	.	.	1 43 57.02	+0.01	65.06	-0.06	.	+10 45 41.4	+0.2	15 56.7	-0.5

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1905				h m s	s	"	s		° ' "	"	' "	"
Apr. 19.0	M.	E.	.	1 47 39.72	-0.14	65.20	+0.02	.	+11 6 33.9	+1.1	15 56.3	-0.6
20.0	Y.	.	.	1 51 23.14	0.00	65.15	-0.09	.	+11 27 13.1	-0.3	15 55.1	-1.5
21.0	Br.	.	.	1 55 6.82	-0.03	65.29	-0.01	.	+11 47 42.9	+0.1	15 56.0	-0.4
22.0	M.	.	.	1 58 50.80	-0.19	65.36	0.00	.	+12 8 0.4	-0.2	15 56.0	-0.1
24.0	Y.	.	.	2 6 20.75	+0.07	65.43	-0.07	.	+12 48 0.7	+0.4	15 54.5	-1.1
25.0	Br.	.	.	2 10 6.23	-0.04	65.55	-0.02	.	+13 7 42.6	+1.1	15 54.9	-0.5
27.0	Y.	.	.	2 17 38.93	-0.01	65.61	-0.10	.	+13 46 25.2	+0.1	15 53.2	-1.6
28.0	Br.	.	.	2 21 25.96	-0.10	65.82	+0.04	.	+14 5 27.1	+0.3	15 54.1	-0.5
May 1.0	Y.	.	.	2 32 50.62	+0.03	66.00	-0.02	.	+15 1 8.2	+0.3	15 53.4	-0.4
2.0	Br.	.	.	2 36 39.91	+0.06	66.06	-0.04	.	+15 19 12.5	+0.2	15 53.2	-0.4
4.0	Y.	.	.	2 44 20.04	+0.01	66.18	-0.08	.	+15 54 35.1	-0.4	15 52.3	-0.9
8.0	Y.	.	.	2 59 47.14	+0.03	66.54	-0.04	.	+17 2 9.8	-0.4	15 51.9	-0.4
9.0	Br.	.	.	3 3 40.28	+0.01	66.64	-0.02	.	+17 18 22.4	+0.3	15 50.8	-1.3
10.0	M.	.	.	3 7 33.98	-0.01	66.68	-0.06	.	+17 34 17.0	+0.4	15 51.0	-0.8
11.0	Hi.	.	.	3 11 28.16	-0.11	66.78	-0.04	.	+17 49 54.3	+0.9	15 50.3	-1.3
12.0	Br.	.	.	3 15 23.13	+0.03	66.86	-0.05	.	+18 5 12.3	+0.1	15 51.5	+0.1
13.0	M.	.	.	3 19 18.38	-0.11	67.00	+0.01	.	+18 20 12.6	-0.2	15 51.2	0.0
15.0	Hi.	.	.	3 27 10.86	-0.06	67.18	+0.03	.	.....	.....	.....	.....
17.0	M.	.	.	3 35 5.57	-0.01	67.28	-0.03	.	+19 17 6.6	-0.3	15 48.8	-1.6
19.0	Br.	.	.	3 43 2.48	0.00	67.50	+0.03	.	+19 43 37.3	-0.1	15 49.8	-0.3
20.0	M.	.	.	3 47 1.70	-0.07	67.54	-0.02	.	+19 56 22.8	+0.3	15 49.0	-0.9
22.0	Hi.	.	.	3 55 1.90	-0.08	67.68	-0.02	.	+20 20 52.4	+0.9	15 48.1	-1.4
23.0	Br.	.	.	3 59 2.96	+0.04	67.78	+0.01	.	+20 32 35.6	+0.6	15 50.2	+0.8
24.0	M.	.	.	4 3 4.23	-0.17	67.88	+0.04	.	+20 43 58.5	+1.2	15 49.5	+0.3
25.0	Hi.	.	.	4 7 6.28	-0.13	67.86	-0.05	.	+20 54 59.5	+1.2	15 46.8	-2.2
27.0	M.	.	.	4 15 11.94	-0.04	67.96	-0.09	.	+21 15 55.5	-0.1	15 46.8	-1.9
29.0	Hi.	.	.	4 23 19.42	-0.10	68.20	+0.02	.	+21 35 25.7	+0.7	15 47.1	-1.3
June 1.0	Hi.	.	.	4 35 34.14	-0.14	68.41	+0.05	.	+22 1 51.8	+1.3	15 47.8	-0.1
2.0	Br.	.	.	4 39 40.04	-0.01	68.42	0.00	.	+22 9 54.0	+0.6	15 48.6	+0.8
3.0	Hi.	.	.	4 43 46.09	-0.12	68.50	+0.03	.	+22 17 33.2	+0.1	15 47.8	+0.2
5.0	M.	.	.	4 51 59.60	-0.02	68.54	-0.04	.	+22 31 42.7	+0.2	15 46.8	-0.6
6.0	Br.	.	.	4 56 6.85	+0.03	68.63	0.00	.	+22 38 12.0	+0.3	15 47.4	+0.1
9.0	Br.	.	.	5 8 30.17	+0.01	68.83	+0.08	.	+22 55 17.7	+1.7	15 48.7	+1.7
10.0	Hi.	.	.	5 12 38.36	-0.08	68.71	-0.07	.	+23 0 9.2	0.0	15 44.9	-2.0
13.0	Br.	.	.	5 25 4.53	+0.06	68.88	+0.02	.	+23 12 23.0	+0.4	15 46.4	-0.2
14.0	Hi.	.	.	5 29 13.26	-0.21	68.82	-0.06	.	+23 15 39.5	+1.4	15 45.6	-0.9
15.0	M.	.	.	5 33 22.48	-0.13	68.86	-0.04	.	+23 18 28.3	-0.6	15 46.6	+0.2
19.0	Br.	.	.	5 50 0.14	+0.02	68.90	-0.05	.	+23 25 44.9	-0.2	15 46.0	-0.2
22.0	Hi.	.	.	6 2 28.72	-0.04	68.90	-0.05	.	+23 26 52.0	+0.1	15 44.8	-1.2
Aug. 17.0	M.	E. W.	.	9 45 36.66	-0.04	65.27	-0.03	.	+13 29 48.2	-0.2	15 48.5	-1.5
18.0	Br.	.	.	.....	.....	.....	.....	.	+13 10 34.4	-0.2	15 50.0	-0.2
22.0	Br.	.	.	10 4 10.16	0.00	64.94	-0.01	.	+11 51 35.5	-1.2	15 50.9	0.0
23.0	Hi.	.	.	10 7 51.40	-0.10	64.84	-0.04	.	+11 31 22.2	-0.9	15 49.0	-2.1
24.0	M.	.	.	10 11 32.33	-0.08	64.72	-0.10	.	+11 10 57.6	-0.9	15 49.8	-1.5
26.0	Hi.	.	.	10 18 52.99	-0.05	64.65	-0.05	.	+10 29 37.7	+0.3	15 50.6	-1.1
29.0	Br.	.	.	10 29 51.06	-0.07	64.52	-0.01	.	+ 9 26 20.6	-0.5	15 51.8	-0.6
30.0	Hi.	.	.	10 33 29.67	-0.10	64.38	-0.10	.	+ 9 4 55.9	-1.2	15 51.6	-1.0
Sept. 1.0	Br.	.	.	10 40 46.02	-0.06	64.42	+0.04	.	+ 8 21 43.2	-0.2	15 52.4	-0.6
6.0	Hi.	.	.	10 58 51.62	-0.03	64.16	-0.03	.	+ 6 31 25.1	+0.7	15 52.6	-1.6
7.0	Bs.	.	.	11 2 28.06	+0.07	64.13	-0.03	.	+ 6 9 0.7	+0.5	15 53.7	-0.8
12.0	Bs.	.	.	11 20 27.00	+0.06	64.06	+0.01	.	.....	.....	.....	.....
13.0	Hi.	.	.	11 24 2.18	-0.16	64.04	0.00	.	+ 3 52 39.6	-0.1	15 54.3	-1.7
14.0	Bs.	.	.	11 27 37.66	+0.01	64.14	+0.11	.	+ 3 29 40.0	+0.1	15 56.3	0.0
15.0	Hi.	.	.	11 31 12.77	-0.13	64.00	-0.02	.	+ 3 6 36.8	+0.5	15 55.3	-1.2
16.0	Bs.	W.	.	11 34 48.16	+0.04	64.05	+0.04	.	+ 2 43 28.7	-0.5	15 55.8	-1.0

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1905				h m s	s	s	s		° ' "	"	' "	"
Sept. 19.0	Bs.	W.	.	.....	.....	.....	.....	.	+ 1 33 50.0	0.0	15 55.9	-1.7
20.0	Hl.	.	.	.....	.....	.....	.....	.	+ 1 10 32.6	+0.5	15 56.0	-1.8
21.0	Bs.	.	.	.....	.....	.....	.....	.	+ 0 47 12.6	+0.3	15 58.1	0.0
22.0	Hl.	.	.	.....	.....	.....	.....	.	+ 0 23 51.1	+0.2	15 56.6	-1.7
23.0	Bs.	.	.	.....	.....	.....	.....	.	+ 0 0 27.3	-1.1	15 58.4	-0.2
25.0	Bs.	.	.	12 7 7.25	+0.01	64.12	+0.01	.	- 0 46 19.4	-0.2	15 58.2	-0.9
26.0	Hl.	.	.	.....	.....	.....	.....	.	- 1 9 44.4	-0.9	15 59.0	-0.4
27.0	Bs.	.	.	12 14 19.59	+0.01	64.18	+0.01	.	- 1 33 7.7	-0.2	15 59.9	+0.2
28.0	Hl.	.	.	12 17 55.99	-0.06	64.26	+0.06	.	- 1 56 31.6	-0.6	15 58.5	-1.5
29.0	Bs.	.	.	12 21 32.83	+0.08	64.20	-0.03	.	- 2 19 53.2	+0.5	15 59.5	-0.7
Oct. 30.0	Hl.	.	.	12 25 9.58	-0.12	64.22	-0.05	.	- 2 43 14.9	+0.1	15 59.0	-1.5
2.0	Hl.	.	.	.....	.....	.....	.....	.	- 3 29 52.0	+0.5	15 59.2	-1.9
4.0	Bs.	.	.	12 39 40.22	+0.01	64.50	+0.05	.	- 4 16 20.3	-0.1	16 1.3	-0.3
5.0	Hl.	.	.	12 43 18.53	-0.07	64.50	0.00	.	- 4 39 29.6	0.0	16 0.4	-1.5
7.0	Bs.	.	.	12 50 36.37	-0.08	64.60	-0.01	.	- 5 25 36.8	+0.6	16 1.8	-0.7
9.0	Hl.	.	.	12 57 55.80	-0.06	64.76	+0.02	.	- 6 11 28.9	-0.7	16 1.8	-1.2
10.0	Bs.	.	.	13 1 36.23	+0.02	64.73	-0.08	.	- 6 34 16.4	0.0	16 1.4	-1.9
12.0	Bs.	.	.	13 8 58.39	+0.09	65.00	+0.04	.	- 7 19 36.3	+0.3	16 3.1	-0.8
13.0	Br.	.	.	.....	.....	.....	.....	.	- 7 42 7.5	+0.3	16 2.9	-1.3
14.0	Bs.	.	.	13 16 22.30	-0.08	65.12	+0.01	.	- 8 4 33.0	-0.3	16 3.9	-0.5
16.0	Hl.	.	.	.....	.....	.....	.....	.	- 8 49 1.7	+0.2	16 2.8	-2.2
17.0	Br.	.	.	13 27 32.64	-0.01	65.30	-0.05	.	.....	.....	.....	.....
27.0	Hl.	.	.	14 5 28.71	-0.09	66.31	-0.02	.	-12 43 25.2	+0.8	16 6.0	-1.9
28.0	Bs.	.	.	14 9 20.30	-0.04	66.40	-0.03	.	-13 3 41.9	+0.1	16 7.3	-0.8
31.0	Br.	.	.	14 20 59.60	+0.07	66.80	+0.04	.	-14 3 13.5	+0.8	16 7.8	-1.1
Nov. 1.0	Bs.	.	.	14 24 54.15	+0.02	66.83	-0.05	.	-14 22 38.1	+0.5	16 8.8	-0.4
2.0	Hl.	.	.	14 28 49.43	-0.09	67.11	+0.12	.	-14 41 49.2	-0.2	16 9.0	-0.4
4.0	Bs.	.	.	14 36 42.75	+0.09	67.24	+0.01	.	-15 19 25.3	+1.1	16 9.6	-0.3
7.0	Hl.	.	.	14 48 38.37	-0.06	67.61	+0.02	.	-16 13 56.7	+0.7	16 8.1	-2.5
9.0	Hl.	.	.	14 56 39.67	-0.06	67.92	+0.10	.	-16 48 55.7	+1.2	16 9.8	-1.3
10.0	Bs.	.	.	15 0 41.59	-0.06	67.90	-0.04	.	-17 6 0.3	+0.7	16 11.5	+0.1
11.0	Hl.	.	.	15 4 44.34	-0.07	68.17	+0.11	.	-17 22 46.7	+1.0	16 10.7	-0.9
14.0	Br.	.	.	15 16 57.73	-0.04	68.49	+0.07	.	-18 11 19.0	-0.6	16 13.0	+0.8
15.0	Bs.	.	.	15 21 4.04	+0.09	68.48	-0.06	.	-18 26 49.4	+1.4	16 10.1	-2.3
17.0	Br.	.	.	15 29 18.85	-0.05	68.78	+0.01	.	-18 56 57.3	-0.3	16 12.8	0.0
21.0	Br.	.	.	15 45 58.83	-0.12	69.24	+0.02	.	-19 53 1.7	+2.0	16 14.3	+0.7
23.0	Hl.	.	.	15 54 23.92	-0.05	69.52	+0.08	.	-20 18 58.8	-0.5	16 13.8	-0.2
24.0	Br.	.	.	15 58 37.68	0.00	69.50	-0.04	.	-20 31 21.3	+0.9	16 13.1	-1.1
27.0	Hl.	.	.	16 11 23.36	-0.10	69.94	+0.08	.	-21 6 15.6	+0.1	16 13.5	-1.2
Dec. 1.0	Br.	.	.	16 28 34.52	+0.02	70.33	+0.09	.	-21 47 10.4	+1.5	16 14.7	-0.6
4.0	Hl.	.	.	16 41 34.47	+0.01	70.53	+0.05	.	-22 13 31.9	-0.3	16 15.2	-0.6
5.0	Br.	.	.	16 45 55.52	-0.08	70.58	+0.02	.	-22 21 27.2	-0.5	16 15.7	-0.3
7.0	Hl.	.	.	16 54 39.39	-0.09	70.80	+0.10	.	-22 35 56.2	+2.4	16 16.1	-0.1
8.0	Br.	.	.	16 59 2.12	-0.03	70.75	-0.02	.	-22 42 33.6	+1.0	16 15.1	-1.3
11.0	Hl.	.	.	17 12 12.85	-0.04	71.06	+0.11	.	-22 59 40.4	+0.9	16 15.4	-1.3
12.0	Br.	.	.	17 16 37.28	0.00	71.08	+0.08	.	-23 4 28.4	+0.7	16 16.6	-0.2
13.0	Bs.	.	.	17 21 2.09	+0.06	71.04	-0.01	.	-23 8 48.5	+0.9	16 15.8	-1.1
18.0	Bs.	.	.	17 43 10.14	-0.02	71.08	-0.12	.	-23 23 33.2	+0.5	16 16.6	-0.7
22.0	Bs.	.	.	18 0 56.08	-0.03	71.16	-0.10	.	-23 26 54.0	+1.9	16 16.2	-1.3
26.0	Hl.	.	.	18 18 42.51	-0.18	71.22	-0.02	.	-23 22 44.1	+1.8	16 16.0	-1.7
28.0	Hl.	.	.	18 27 35.47	+0.03	71.14	-0.05	.	-23 17 51.4	0.0	16 15.7	-2.1
29.0	Br.	.	.	18 32 1.56	+0.02	71.20	+0.04	.	-23 14 41.1	+1.0	16 16.8	-1.0
30.0	Hl.	.	.	18 36 27.33	-0.08	71.24	+0.11	.	-23 11 4.2	+0.5	16 17.7	-0.1
1906												
Jan. 2.0	Br.	W.	.	18 49 43.35	+0.06	70.96	-0.06	.	-22 57 24.6	+1.3	16 16.8	-1.1

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1906				h m s	"	s	s		° ' "	"	' "	"
Jan. 5.0	Br.	W.	.	19 2 55.89	-0.01	70.90	+0.03	.	-22 39 39.1	+1.0	16 18.5	+0.7
6.0	Hl.	.	.	19 7 19.15	-0.11	70.84	+0.03	.	-22 32 50.4	+0.4	16 18.7	+0.9
9.0	Br.	.	.	19 20 26.39	+0.04	70.58	-0.02	.	-22 9 41.3	+1.7	16 17.8	0.0
10.0	Bs.	.	.	19 24 47.65	0.00	70.58	+0.06	.	-22 1 5.2	+2.9	16 17.1	-0.6
17.0	Bs.	.	.	19 55 0.02	+0.07	69.92	+0.01	.	-20 49 14.6	+1.5	16 18.2	+0.9
19.0	Br.	.	.	20 3 31.76	-0.10	69.71	0.00	.	-20 25 4.4	+1.2	16 16.9	-0.2
25.0	Hl.	.	.	20 28 49.70	-0.14	69.04	-0.04	.	-19 3 29.5	+0.5	16 13.4	-3.1
29.0	Bs.	.	.	20 45 25.87	-0.07	68.64	+0.02	.	-18 2 3.4	0.0	16 16.0	0.0
30.0	Br.	.	.	20 49 32.85	-0.03	68.57	+0.06	.	-17 45 51.4	+1.0	16 15.6	-0.3
Feb. 1.0	Hl.	.	.	20 57 44.27	-0.01	68.20	-0.07	.	-17 12 33.0	+0.7	16 14.0	-1.6
2.0	Br.	.	.	21 1 48.75	+0.05	68.27	+0.11	.	-16 55 25.8	+1.2	16 13.3	-2.2
9.0	Br.	.	.	21 29 56.43	+0.02	67.36	-0.01	.	-14 47 47.3	+0.3	16 14.3	0.0
10.0	Hl.	.	.	21 33 54.17	-0.11	67.28	+0.02	.	-14 28 30.2	+0.4	16 13.5	-0.7
13.0	Br.	.	.	21 45 43.34	+0.08	66.98	+0.05	.	-13 29 14.3	+0.4	16 13.6	0.0
14.0	Bs.	.	.	21 49 38.30	+0.20	66.80	-0.02	.	-13 9 2.2	+0.2	16 13.0	-0.4
15.0	Hl.	.	.	21 53 32.04	-0.16	66.72	0.00	.	-12 48 36.7	+0.5	16 12.1	-1.1
16.0	Br.	.	.	21 57 25.70	+0.10	66.77	+0.16	.	-12 27 58.5	+1.1	16 14.6	+1.6
17.0	Hl.	.	.	22 1 18.28	-0.02	66.64	+0.13	.	-12 7 8.1	+1.8	16 13.0	+0.2
19.0	Bs.	.	.	22 9 1.80	+0.15	66.32	+0.01	.	-11 24 55.1	+0.9	16 12.7	+0.4
20.0	Br.	.	.	22 12 52.39	+0.07	66.25	+0.04	.	-11 3 33.2	-0.4	16 12.3	+0.2
23.0	Bs.	.	.	22 24 20.53	+0.12	65.90	-0.03	.	-9 58 21.3	+1.2	16 11.1	-0.3
24.0	Hl.	.	.	22 28 8.55	+0.02	65.88	+0.04	.	-9 36 19.1	+1.2	16 9.9	-1.3
26.0	Bs.	.	.	22 35 42.93	-0.02	65.72	+0.05	.	-8 51 48.7	+1.6	16 10.9	+0.1
Mar. 1.0	Hl.	.	.	22 47 0.22	+0.01	65.42	-0.02	.	-7 44 6.9	+0.8	16 8.8	-1.2
2.0	Br.	.	.	22 50 44.88	0.00	65.37	0.00	.	-7 21 19.5	+0.1	16 9.6	-0.2
6.0	Br.	.	.	23 5 38.61	0.00	65.16	+0.06	.	-5 49 8.5	+1.4	16 7.9	-0.9
12.0	Bs.	.	.	.. .. .	....	....	....	.	-3 28 41.9	+1.0	16 6.8	-0.5
16.0	Br.	.	.	.. .. .	....	....	....	.	-1 54 10.9	0.0	16 4.7	-1.5
21.0	Bs.	.	.	0 0 39.91	+0.02	64.48	-0.01	.	+0 4 21.0	+1.3	16 3.4	-1.4
22.0	Bs.	.	.	0 4 18.38	+0.01	64.53	+0.06	.	+0 28 1.6	+0.6	16 4.7	+0.1
23.0	Br.	.	.	0 7 56.74	0.00	64.52	+0.06	.	+0 51 41.0	0.0	16 5.0	+0.7
28.0	Bs.	.	.	0 26 7.91	+0.06	64.42	-0.02	.	+2 49 30.0	-0.4	16 1.9	-1.0
Apr. 2.0	Bs.	.	.	0 44 19.29	+0.08	64.58	+0.10	.	+4 45 54.3	-0.5	16 1.6	0.0
13.0	Br.	.	.	1 24 32.93	-0.01	64.83	-0.02	.	+8 53 24.7	-0.1	15 58.1	-0.5
14.0	Bs.	.	.	1 28 13.90	-0.06	64.88	-0.02	.	+9 15 8.9	+0.4	15 57.3	-1.0
17.0	Br.	.	.	1 39 19.12	-0.03	65.02	-0.03	.	+10 19 24.6	+0.8	15 56.7	-0.8
18.0	Bs.	.	.	1 43 1.79	+0.13	65.09	-0.01	.	+10 40 29.0	-0.1	15 57.4	+0.2
20.0	Br.	.	.	1 50 27.89	-0.02	65.24	+0.02	.	+11 22 8.1	+0.1	15 56.1	-0.6
21.0	Bs.	.	.	1 54 11.76	+0.10	65.29	+0.01	.	+11 42 41.2	+0.3	15 55.3	-1.1
24.0	Br.	.	.	2 5 25.58	-0.03	65.52	+0.04	.	+12 43 9.1	-0.5	15 56.0	+0.4
25.0	Bs.	.	.	2 9 11.18	+0.01	65.63	+0.08	.	+13 2 55.1	+0.6	15 56.4	+1.0
28.0	Bs.	.	.	2 20 30.81	+0.05	65.76	0.00	.	+14 0 51.3	+0.3	15 56.1	+1.5
30.0	Bs.	.	.	2 28 6.30	+0.02	65.95	+0.03	.	+14 38 20.7	+0.8	15 53.9	-0.3
May 4.0	Br.	.	.	2 43 23.44	-0.05	66.22	-0.03	.	+15 50 20.4	-0.4	15 52.1	-1.1
June 9.0	Hl.	.	.	5 7 28.46	-0.03	68.72	-0.02	.	+22 54 0.4	-0.9	15 45.5	-1.5
12.0	Br.	.	.	5 19 53.71	+0.02	68.85	+0.02	.	+23 7 45.4	+0.2	15 45.6	-1.1
15.0	Br.	.	.	5 32 20.86	+0.04	68.89	0.00	.	+23 17 49.4	-0.2	15 45.8	-0.6
18.0	Hl.	.	.	5 44 49.18	-0.10	68.88	-0.05	.	+23 24 12.4	+0.1	15 45.3	-0.9
21.0	Hl.	.	.	5 57 18.43	+0.06	68.99	+0.04	.	+23 26 53.3	+0.8	15 44.8	-1.2
22.0	Br.	.	.	6 1 28.19	+0.11	68.98	+0.04	.	+23 26 57.2	+0.9	15 47.2	+1.2
23.0	Bs.	.	.	6 5 37.76	+0.01	68.97	+0.03	.	+23 26 35.2	-0.1	15 46.2	+0.3
25.0	Hl.	.	.	6 13 56.83	-0.03	68.92	0.00	.	+23 24 38.4	-0.4	15 45.2	-0.6
26.0	Br.	.	.	6 18 6.19	-0.05	68.90	0.00	.	+23 23 3.5	+0.1	15 44.5	-1.3
27.0	Bs.	.	.	6 22 15.47	-0.02	69.00	+0.12	.	+23 21 3.9	+0.5	15 45.6	-0.2
28.0	Hl.	W.	.	6 26 24.56	0.00	68.86	+0.01	.	+23 18 38.7	+0.1	15 45.1	-0.7

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1906				h m s	s	s	s		° ' "	"	' "	"
June 29.0	Br.	W.	.	6 30 33.44	+0.02	68.82	-0.01	.	+23 15 48.8	-0.5	15 46.6	+0.9
30.0	Bs.	.	.	6 30 33.44	.....	68.82	.....	.	+23 12 35.4	-0.2	15 44.4	-1.3
July 2.0	Hl.	.	.	6 42 58.66	+0.03	68.74	0.00	.	+23 4 54.7	-0.3	15 44.1	-1.6
3.0	Br.	.	.	6 47 6.41	-0.09	68.68	-0.02	.	+23 0 28.1	-0.2	15 44.8	-0.9
5.0	Hl.	.	.	6 55 21.23	-0.06	68.58	-0.03	.	+22 50 22.4	-0.4	15 44.2	-1.5
6.0	Br.	.	.	6 59 28.15	-0.04	68.52	-0.04	.	+22 44 43.7	-0.4	15 45.1	-0.6
7.0	Bs.	.	.	7 3 34.80	+0.03	68.49	-0.02	.	+22 38 42.2	+0.4	15 44.8	-0.9
9.0	Hl.	.	.	7 11 46.88	+0.06	68.46	+0.06	.	+22 25 26.9	+0.2	15 43.8	-2.0
Aug. 16.0	Hl.	.	.	9 40 57.80	-0.06	65.28	-0.11	.	.....	.....	.....	.....
21.0	Br.	.	.	9 59 35.12	+0.06	64.99	-0.04	.	+12 16 27.3	-0.5	15 49.6	-1.0
24.0	Br.	.	.	10 10 39.59	-0.01	64.84	0.00	.	+11 15 54.3	-0.1	15 51.3	+0.1
27.0	Hl.	.	.	10 21 40.05	-0.07	64.66	+0.01	.	+10 13 44.9	-0.2	15 50.6	-1.3
31.0	Br.	.	.	10 36 15.30	+0.03	64.44	0.00	.	+ 8 48 37.7	-1.1	15 52.0	-0.8
Sept. 4.0	Br.	.	.	10 50 45.12	+0.06	64.30	+0.03	.	+ 7 21 17.2	-0.6	15 53.6	-0.1
7.0	Br.	.	.	11 1 34.89	+0.13	64.18	+0.02	.	+ 6 14 29.5	-1.2	15 54.4	0.0
10.0	Hl.	.	.	11 12 22.75	-0.05	64.08	-0.01	.	+ 5 6 47.2	-0.1	15 54.5	-0.7
11.0	P.	.	.	11 15 58.48	-0.04	64.04	-0.03	.	+ 4 44 2.2	+0.3	15 54.0	-1.4
19.0	Hl.	.	.	.....	.....	.....	.....	.	+ 1 39 26.8	-0.3	15 56.2	-1.2
20.0	P.	.	.	11 48 17.52	+0.11	63.89	-0.13	.	+ 1 16 8.3	-0.7	15 55.5	-2.2
21.0	Hl.	.	.	11 51 52.89	+0.02	64.02	-0.01	.	+ 0 52 48.6	-0.6	15 57.4	-0.6
24.0	Hl.	.	.	12 2 39.53	-0.08	64.06	-0.02	.	- 0 17 19.6	-1.3	15 57.9	-0.9
Oct. 5.0	Hl.	.	.	12 42 24.82	+0.07	64.52	+0.03	.	- 4 33 49.9	-0.5	16 0.4	-1.4
8.0	Hl.	.	.	12 53 21.75	+0.04	64.62	-0.04	.	- 5 42 56.1	+0.7	16 1.3	-1.4
9.0	P.	.	.	12 57 1.60	+0.05	64.57	-0.15	.	- 6 5 51.8	-0.8	16 2.2	-0.7
11.0	Br.	.	.	13 4 22.56	-0.07	64.93	+0.07	.	- 6 51 25.4	-0.1	16 3.4	-0.1
12.0	Hl.	.	.	13 8 3.72	-0.17	65.05	+0.12	.	- 7 14 5.4	-1.1	16 4.4	+0.6
13.0	P.	.	.	13 11 45.57	-0.09	64.99	-0.02	.	- 7 36 39.1	-1.6	16 2.6	-1.4
15.0	Hl.	W.	.	13 19 10.84	+0.01	65.14	-0.03	.	- 8 21 25.6	-0.4	16 4.4	-0.2
1907												
Apr. 18.0	M.	E.	.	1 42 9.57	+0.09	65.01	-0.08	.	.....	.....	.....	.....
22.0	M.	.	.	1 57 2.96	-0.06	65.28	-0.06	.	+11 58 17.8	-0.2	15 54.1	-2.2
24.0	P.	.	.	2 4 32.29	0.00	65.45	-0.02	.	+12 38 30.8	+0.9	15 56.8	+1.0
25.0	M.	.	.	2 8 17.48	-0.12	65.50	-0.03	.	+12 58 15.9	-1.3	15 54.6	-0.9
26.0	Hl.	.	.	2 12 3.35	-0.03	65.59	-0.01	.	+13 17 53.7	+2.1	15 55.0	-0.3
30.0	Hl.	.	.	2 27 11.34	-0.12	65.84	-0.06	.	+14 33 54.4	-0.7	15 52.5	-1.8
May 3.0	Hl.	.	.	2 38 38.00	-0.10	66.08	-0.06	.	.....	.....	.....	.....
4.0	P.	.	.	2 42 28.06	-0.03	66.11	-0.11	.	+15 46 9.7	+0.7	15 52.8	-0.5
6.0	M.	.	.	.....	.....	.....	.....	.	+16 20 44.1	0.0	15 51.6	-1.2
8.0	P.	.	.	.....	.....	.....	.....	.	+16 54 16.8	+2.3	15 50.5	-1.9
10.0	Hl.	.	.	3 5 40.20	-0.10	66.72	+0.02	.	+17 26 38.5	+0.6	15 51.8	-0.1
11.0	P.	.	.	3 9 34.32	-0.05	66.74	-0.04	.	+17 42 23.9	+0.3	15 50.3	-1.4
13.0	M.	.	.	3 17 24.20	-0.05	66.93	-0.02	.	+18 13 1.9	+0.5	15 50.7	-0.6
14.0	Hl.	.	.	3 21 20.04	-0.01	67.00	-0.03	.	+18 27 54.2	+1.3	15 50.7	-0.4
15.0	P.	.	.	3 25 16.28	-0.12	67.03	-0.07	.	+18 42 26.8	+1.0	15 50.1	-0.8
17.0	Hl.	.	.	3 33 10.73	-0.07	67.30	+0.04	.	+19 10 35.1	+0.7	15 49.4	-1.1
18.0	P.	.	.	.....	.....	.....	.....	.	+19 24 10.7	+1.1	15 48.3	-2.0
20.0	M.	.	.	3 45 6.46	-0.08	67.48	-0.02	.	+19 50 20.7	+0.4	15 49.7	-0.3
21.0	Hl.	.	.	3 49 6.10	-0.08	67.61	+0.03	.	+20 2 56.3	+1.0	15 49.6	-0.2
22.0	P.	.	.	3 53 6.35	0.00	67.56	-0.10	.	+20 15 10.7	+0.9	15 47.5	-2.1
29.0	P.	.	.	4 21 21.63	-0.04	68.04	-0.12	.	+21 30 56.4	+1.0	15 47.6	-0.9
June 3.0	M.	.	.	4 41 46.70	-0.05	68.42	-0.04	.	.....	.....	.....	.....
4.0	P.	.	.	4 45 52.88	-0.14	68.42	-0.09	.	+22 21 24.2	-0.4	15 46.5	-1.1
6.0	P.	.	.	4 54 6.74	+0.03	68.60	-0.01	.	+22 35 10.5	+1.1	15 47.3	0.0
7.0	M.	.	.	4 58 14.01	-0.07	68.62	-0.03	.	+22 41 25.2	-1.1	15 47.7	+0.5
10.0	M.	E.	.	5 10 37.94	-0.05	68.68	-0.09	.	+22 57 53.2	-0.4	15 46.1	-0.8

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi- diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi- diameter.	Correc- tion to Am. Eph.
1907				h m s	s	°	s		° ' "	"	' "	"
June 15.0	P.	E.	.	5 31 22.43	+0.02	68.78	-0.11	.	+23 17 14.1	+0.7	15 45.1	-1.3
17.0	M.	.	.	5 39 41.15	-0.02	68.88	-0.04	.	+23 22 4.5	-0.6	15 44.9	-1.4
19.0	M.	.	.	5 48 0.23	0.00	68.96	+0.02	.	+23 25 17.5	-0.5	15 45.8	-0.4
20.0	P.	.	.	5 52 9.77	-0.04	68.90	-0.05	.	+23 26 17.1	0.0	15 45.5	-0.6
21.0	M.	.	.	5 56 19.38	-0.01	68.88	-0.07	.	+23 26 50.4	-1.0	15 44.9	-1.1
22.0	P.	.	.	6 0 28.87	-0.06	68.91	-0.04	.	+23 27 0.3	-0.6	15 45.2	-0.8
24.0	M.	.	.	6 8 47.77	-0.09	68.92	-0.01	.	+23 26 4.9	-0.5	15 43.5	-2.4
25.0	HL.	.	.	6 12 57.24	+0.04	68.86	-0.06	.	+23 25 1.1	+0.5	15 44.8	-1.1
26.0	P.	.	.	6 17 6.41	-0.03	68.86	-0.05	.	+23 23 30.5	-0.4	15 45.5	-0.3
28.0	P.	.	.	6 25 24.40	-0.15	68.82	-0.04	.	+23 19 18.3	+0.3	15 45.0	-0.8
July 1.0	P.	.	.	6 37 50.46	-0.01	68.74	-0.03	.	+23 9 53.5	-0.2	15 45.4	-0.3
3.0	P.	.	.	6 46 6.70	0.00	68.58	-0.12	.	.. .. .	..	.. .. .	..
5.0	HL.	.	.	6 54 21.81	-0.08	68.57	-0.05	.	+22 51 43.1	+1.1	15 43.5	-2.2
6.0	M.	.	.	6 58 28.93	-0.10	68.59	+0.02	.	+22 46 8.6	-0.5	15 46.5	+0.8
8.0	HL.	.	.	7 6 42.33	+0.01	68.42	-0.05	.	+22 33 52.6	+0.3	15 45.8	+0.1
13.0	HL.	.	.	7 27 8.45	-0.16	68.08	-0.09	.	.. .. .	..	.. .. .	..
18.0	M.	.	.	7 47 23.13	+0.06	67.83	0.00	.	+21 9 29.1	+0.2	15 44.8	-1.3
19.0	HL.	.	.	7 51 24.36	-0.01	67.72	-0.03	.	+20 59 0.6	-0.1	15 45.1	-1.1
22.0	M.	.	.	8 3 24.79	-0.09	67.45	-0.06	.	+20 25 29.3	-0.4	15 44.8	-1.6
23.0	HL.	.	.	8 7 23.89	0.00	67.41	-0.02	.	+20 13 38.0	-0.1	15 45.1	-1.4
24.0	P.	.	.	8 11 22.37	+0.04	67.32	-0.03	.	+20 1 27.0	+0.8	15 46.2	-0.4
25.0	P.	.	.	8 15 20.19	+0.02	67.20	-0.06	.	+19 48 54.6	+0.2	15 46.2	-0.5
27.0	P.	.	.	8 23 14.18	+0.08	67.12	+0.03	.	+19 22 52.4	+0.9	15 47.6	+0.7
30.0	HL.	.	.	8 35 0.61	+0.01	66.78	-0.06	.	+18 41 23.1	-0.3	15 45.8	-1.4
31.0	P.	.	.	8 38 55.01	+0.07	66.72	-0.03	.	+18 26 57.0	+0.3	15 47.2	-0.1
Aug. 2.0	HL.	.	.	8 46 41.79	-0.06	66.56	-0.02	.	+17 57 9.8	+0.7	15 46.7	-0.8
3.0	P.	.	.	8 50 34.46	+0.05	66.46	-0.04	.	+17 41 49.1	+0.4	15 46.5	-1.1
7.0	HL.	.	.	9 5 58.83	+0.04	66.08	-0.06	.	+16 37 36.6	-0.1	15 47.2	-1.0
8.0	P.	.	.	9 9 48.38	-0.04	66.08	+0.03	.	+16 20 52.3	-0.2	15 48.1	-0.2
12.0	HL.	.	.	9 25 1.03	0.00	65.64	-0.08	.	+15 11 21.4	+0.3	15 47.3	-1.7
14.0	HL.	.	.	9 32 33.88	+0.01	65.48	-0.08	.	+14 35 6.8	-0.1	15 47.7	-1.6
15.0	P.	.	.	9 36 19.45	+0.01	65.56	+0.07	.	+14 16 40.0	+1.2	15 49.4	-0.1
19.0	HL.	.	.	9 51 16.26	+0.01	65.10	-0.09	.	+13 0 33.8	0.0	15 49.0	-1.2
20.0	P.	.	.	9 54 59.13	+0.01	65.05	-0.07	.	+12 41 1.9	+1.0	15 48.9	-1.5
21.0	HL.	.	.	9 58 41.46	-0.04	64.98	-0.07	.	+12 21 16.3	+0.2	15 49.7	-0.9
26.0	HL.	.	.	10 17 6.64	+0.03	64.68	-0.04	.	+10 39 43.0	-0.1	15 50.2	-1.4
28.0	HL.	.	.	10 24 25.78	-0.01	64.52	-0.08	.	+9 57 52.5	+0.1	15 50.5	-1.5
29.0	M.	.	.	.. .. .	..	.. .. .	..	.	+9 36 42.4	-0.2	15 50.9	-1.4
31.0	M.	.	.	10 35 21.87	-0.02	64.37	-0.07	.	+8 53 55.3	-0.3	15 51.4	-1.3
Sept. 5.0	M.	.	.	10 53 29.40	-0.05	64.18	-0.06	.	+7 4 32.2	-0.4	15 52.7	-1.1
6.0	HL.	.	.	10 57 6.18	-0.01	64.17	-0.03	.	+6 42 18.8	+1.1	15 52.8	-1.3
7.0	M.	.	.	11 0 42.74	+0.01	64.10	-0.07	.	+6 19 55.5	-0.7	15 52.6	-1.7
10.0	M.	.	.	11 11 31.07	-0.06	64.04	-0.06	.	+5 12 15.2	+0.1	15 53.1	-1.9
12.0	M.	.	.	11 18 42.59	-0.02	64.08	+0.02	.	+4 26 41.2	+0.3	15 54.2	-1.4
13.0	HL.	.	.	11 22 18.12	-0.02	64.02	-0.03	.	+4 3 48.0	+1.2	15 54.9	-0.9
14.0	P.	.	.	11 25 53.63	+0.05	64.06	+0.02	.	.. .. .	..	.. .. .	..
16.0	M.	.	.	11 33 4.14	-0.04	63.95	-0.07	.	+2 54 40.2	-0.2	15 54.8	-1.8
17.0	HL.	.	.	11 36 39.43	+0.03	63.90	-0.11	.	+2 31 31.3	-0.1	15 55.5	-1.4
21.0	M.	.	.	11 51 0.23	-0.01	63.98	-0.05	.	+0 58 30.7	+0.8	15 56.0	-1.9
25.0	P.	.	.	.. .. .	..	.. .. .	..	.	-0 34 55.1	+2.0	15 59.1	+0.1
26.0	M.	.	.	.. .. .	..	.. .. .	..	.	-0 58 21.1	-0.5	15 58.0	-1.3
27.0	HL.	.	.	12 12 34.04	-0.06	64.09	-0.06	.	-1 21 43.3	+0.8	15 57.9	-1.6
Oct. 1.0	HL.	.	.	12 27 0.46	-0.08	64.28	0.00	.	-2 55 10.8	+0.4	15 59.8	-0.8
2.0	P.	E.	.	12 30 37.86	+0.05	64.31	-0.01	.	-3 18 28.8	+0.7	16 1.5	+0.6
3.0	P.	E.	.	12 34 15.43	+0.02	64.36	-0.01	.	-3 41 45.2	+0.6	16 0.5	-0.7

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1907				h m s	s	s	s		° ' "	"	' "	"
Oct. 5.0	P.	E.	.	12 41 31.77	+0.17	64.46	-0.01	.	- 4 28 10.3	+0.6	16 1.6	-0.1
7.0	M.	.	.	12 48 49.18	-0.05	64.54	-0.04	.	- 5 14 23.0	+0.3	16 0.8	-1.5
8.0	P.	.	.	12 52 28.68	+0.04	64.68	+0.04	.	- 5 37 22.0	+1.7	16 1.7	-0.8
9.0	M.	.	.	12 56 8.46	+0.00	64.66	-0.04	.	- 6 0 19.1	+0.6	16 1.3	-1.5
10.0	P.	.	.	12 59 48.84	+0.44	64.74	-0.03	.	- 6 23 9.7	+1.4	16 2.5	-0.6
11.0	HL.	.	.	13 3 29.40	+0.01	64.78	-0.06	.	- 6 45 56.4	+0.9	16 2.3	-1.1
12.0	M.	.	.	13 7 10.56	+0.04	64.86	-0.06	.	- 7 11 11.1	+1.1	16 2.8	-1.7
15.0	HL.	.	.	13 18 16.84	-0.03	65.20	+0.05	.	- 8 16 2.1	+0.4	16 3.9	-0.9
16.0	P.	.	.	13 22 0.08	+0.06	65.26	+0.03	.	- 8 38 17.6	-0.1	16 3.5	-1.6
17.0	M.	.	.	13 25 43.72	0.00	65.23	-0.09	.	- 9 0 25.4	+0.9	16 4.0	-1.3
18.0	HL.	.	.	13 29 28.02	+0.03	65.34	-0.06	.	- 9 22 23.9	+0.5	16 7.0	+1.4
19.0	P.	.	.	13 33 12.89	+0.05	65.54	+0.05	.	- 9 44 15.6	+0.1	16 5.4	-0.8
21.0	M.	.	.	13 40 44.43	0.00	65.60	-0.07	.	-10 27 32.7	+0.4	16 5.8	-0.9
22.0	HL.	.	.	13 44 31.15	-0.04	65.73	-0.03	.	-11 10 12.0	+0.3	16 6.7	-0.3
23.0	P.	.	.	13 48 18.70	+0.09	65.88	+0.02	.	-11 31 17.0	+0.2	16 7.0	-0.2
24.0	M.	.	.	13 52 6.64	-0.09	65.93	-0.03	.	-11 52 11.7	+0.6	16 7.4	-0.1
25.0	P.	.	.	13 55 55.66	+0.09	66.10	+0.04	.	-12 12 55.1	+0.9	16 8.6	+0.4
26.0	HL.	.	.	13 59 45.17	+0.05	66.27	+0.11	.	-13 13 57.6	+0.8	16 6.1	-2.4
29.0	HL.	.	.	14 11 18.20	-0.05	66.50	+0.02	.	-13 33 54.5	+1.2	16 6.7	-2.3
30.0	P.	.	.	14 15 10.92	+0.08	66.62	+0.03	.	-14 13 8.7	+0.7	16 8.5	-1.2
Nov. 1.0	HL.	.	.	14 22 58.37	-0.05	66.79	-0.03	.	-15 10 18.4	+0.7	16 8.3	-1.7
4.0	M.	.	.	14 34 45.84	-0.01	67.10	-0.07	.	-15 28 52.3	+0.9	16 10.1	-0.1
5.0	HL.	.	.	14 38 43.38	+0.07	67.28	-0.01	.	-15 47 10.7	+0.7	16 10.4	-1.0
6.0	P.	.	.	14 42 41.72	+0.14	67.41	0.00	.	-17 14 40.0	+1.2	16 10.9	-1.0
11.0	M.	.	.	15 2 45.51	+0.04	67.97	-0.03	.	-18 3 38.6	+1.1	16 10.3	-1.8
13.0	P.	.	.	15 10 52.92	+0.09	68.34	+0.10	.	-18 19 20.3	+1.4	16 10.7	-1.6
14.0	M.	.	.	15 14 57.60	-0.16	68.34	-0.02	.	-18 34 42.9	+1.5	16 11.1	-1.4
15.0	HL.	.	.	15 19 3.62	+0.08	68.40	-0.08	.	-19 18 51.5	+0.9	16 12.3	-0.9
16.0	P.	.	.	15 23 10.29	+0.14	68.59	-0.01	.	-20 37 36.6	-1.0	16 13.4	-0.9
19.0	HL.	.	.	15 35 34.82	-0.11	68.93	-0.02	.	-20 49 23.8	+0.8	16 14.0	-0.4
25.0	M.	.	.	16 0 46.65	-0.02	69.60	0.00	.	-21 0 48.3	+1.9	16 13.7	-0.9
26.0	P.	.	.	16 5 1.48	+0.07	69.77	+0.07	.	-21 32 42.4	+1.9	16 14.2	-0.9
27.0	HL.	.	.	16 9 16.79	-0.14	69.86	+0.05	.	-21 51 57.6	+0.4	16 15.5	+0.1
30.0	P.	.	.	16 22 8.00	+0.05	70.13	+0.03	.	-22 17 38.9	+0.6	16 15.5	-0.3
Dec. 2.0	M.	.	.	16 30 45.36	-0.13	70.26	-0.02	.	-22 25 20.3	+1.4	16 15.2	-0.8
5.0	M.	.	.	16 43 46.58	-0.02	70.48	-0.04	.	-22 32 37.3	+0.7	16 14.8	-1.3
6.0	HL.	.	.	16 48 8.18	+0.04	70.60	+0.01	.	-23 25 47.1	+1.3	16 15.7	-1.7
7.0	P.	.	.	16 52 30.35	+0.12	70.74	+0.08	.	-23 26 37.9	+0.8	16 17.5	0.0
20.0	HL.	.	.	17 49 52.13	-0.05	71.20	-0.04	.	-23 26 18.9	+0.9	16 18.5	+0.8
21.0	P.	.	.	17 54 18.67	+0.10	71.26	+0.01	.	-23 23 45.9	-0.1	16 15.4	-2.4
24.0	HL.	.	.	18 7 38.06	-0.05	71.34	+0.08	.	-23 9 8.6	-0.4	16 17.0	-0.8
26.0	M.	.	.	18 16 31.09	-0.04	71.18	-0.07	.				
31.0	M.	.	.	18 38 41.73	-0.02	71.08	-0.04	.				
1908												
Jan. 2.0	M.	.	.	18 47 32.49	-0.02	70.98	-0.06	.	-23 0 1.6	+0.3	16 16.7	-1.1
3.0	P.	.	.	18 51 57.40	-0.02	71.02	+0.03	.	-22 36 17.5	+2.2	16 16.1	-1.7
6.0	M.	.	.	19 5 9.88	+0.02	70.79	-0.03	.	-22 13 49.2	+1.4	16 16.9	-0.9
9.0	M.	.	.	19 18 18.05	-0.14	70.65	+0.01	.	-22 5 25.8	+2.3	16 16.5	-1.2
10.0	P.	.	.	19 22 39.96	+0.06	70.56	0.00	.	-21 56 38.9	+0.9	16 16.4	-1.3
11.0	M.	.	.	19 27 0.94	-0.09	70.47	-0.01	.				
14.0	P.	.	.	19 40 0.90	+0.12	70.34	+0.10	.	-21 27 40.6	+1.3	16 16.9	-0.7
15.0	M.	.	.	19 44 19.42	+0.02	70.08	-0.07	.	-21 17 11.6	+1.0	16 15.4	-2.1
17.0	P.	.	.	19 52 54.75	+0.13	70.04	+0.07	.	-20 54 59.0	+1.8	16 16.5	-0.9
20.0	HL.	.	.	20 5 42.26	+0.09	69.58	-0.08	.	-20 18 43.2	+1.3	16 14.7	-2.4
21.0	M.	E.	.	20 9 56.51	-0.07	69.56	0.00	.	-20 5 51.8	+1.0	16 15.5	-1.5

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1908				h m s	"	s	s		° ' "	"	' "	"
Jan. 22.0	P.	E.	.	20 14 10.28	+0.03	69.54	+0.08	.	-19 52 38.1	+0.4	16 16.6	-0.3
28.0	M.	.	.	20 39 16.02	-0.04	68.70	-0.11	.	-18 25 38.4	+0.7	16 14.7	-1.5
29.0	P.	.	.	20 43 24.27	0.00	68.69	0.00	.	-18 9 57.3	-0.3	16 15.6	-0.5
Feb. 10.0	M.	.	.	21 31 58.98	-0.03	67.22	-0.09	.	-14 37 56.5	+0.9	16 12.2	-2.1
17.0	M.	.	.	.....	.....	.....	.....	.	-12 17 19.0	+0.7	16 11.6	-1.4
18.0	HI.	.	.	22 3 17.91	+0.03	66.48	+0.01	.	-11 56 22.7	+1.5	16 12.0	-0.8
20.0	M.	.	.	22 11 0.37	+0.04	66.18	-0.09	.	-11 14 0.6	-1.0	16 11.1	-1.2
21.0	HI.	.	.	22 14 50.56	0.00	66.08	-0.09	.	-10 52 30.4	+1.1	16 10.2	-1.9
24.0	M.	.	.	22 26 17.35	-0.06	65.86	-0.03	.	.....	.....	.....	.....
27.0	M.	.	.	.....	.....	.....	.....	.	- 8 40 22.6	0.0	16 8.7	-2.0
28.0	HI.	.	.	22 41 24.98	-0.06	65.58	+0.03	.	- 8 17 49.8	+1.9	16 9.9	-0.6
29.0	P.	.	.	22 45 10.67	+0.09	65.51	+0.04	.	- 7 55 12.7	+0.5	16 9.4	-0.8
Mar. 3.0	HI.	.	.	22 56 24.07	-0.04	65.29	+0.03	.	- 6 46 36.8	+1.2	16 7.9	-1.6
4.0	P.	.	.	23 0 7.72	+0.04	65.30	+0.11	.	- 6 23 32.6	+1.8	16 8.9	-0.3
7.0	P.	.	.	23 11 15.62	+0.02	65.02	+0.01	.	- 5 13 53.4	+0.2	16 7.1	-1.4
10.0	HI.	.	.	23 22 19.85	+0.01	64.86	+0.01	.	- 4 3 35.1	+0.9	16 6.8	-0.9
11.0	P.	.	.	23 26 0.56	+0.03	64.82	+0.02	.	- 3 40 2.8	+1.1	16 6.7	-0.8
12.0	HI.	.	.	23 29 40.79	-0.09	64.78	+0.04	.	- 3 16 28.7	+0.6	16 5.2	-2.0
14.0	P.	.	.	23 37 0.75	+0.06	64.69	+0.03	.	- 2 29 13.6	+0.2	16 6.4	-0.3
16.0	M.	.	.	23 44 19.30	-0.14	64.58	-0.02	.	- 1 41 53.1	-0.2	16 5.2	-1.0
21.0	P.	.	.	0 2 32.98	+0.03	64.52	+0.04	.	+ 0 16 36.0	-0.1	16 4.3	-0.5
24.0	Fk.	.	.	0 13 27.65	-0.07	64.36	-0.08	.	+ 1 27 33.8	+1.8	16 3.2	-0.8
25.0	P.	.	.	.....	.....	.....	.....	.	+ 1 51 7.4	+0.4	16 2.1	-1.6
26.0	M.	.	.	0 20 43.96	-0.07	64.39	-0.05	.	+ 2 14 39.1	-0.6	16 0.8	-2.6
27.0	Fk.	.	.	0 24 22.12	-0.05	64.36	-0.08	.	+ 2 38 9.5	-0.1	16 3.6	+0.5
Apr. 2.0	M.	.	.	0 46 12.19	-0.08	64.52	+0.03	.	+ 4 57 52.3	+0.3	16 0.4	-1.0
4.0	P.	.	.	0 53 29.84	+0.06	64.70	+0.16	.	+ 5 43 48.8	+1.3	16 1.3	+0.4
6.0	M.	.	.	1 0 47.91	-0.01	64.57	-0.03	.	+ 6 29 19.1	-0.1	15 58.4	-1.9
7.0	Fk.	.	.	1 4 27.26	-0.01	64.63	0.00	.	+ 6 51 56.7	+1.6	16 1.1	+1.1
9.0	M.	.	.	1 11 46.52	-0.07	64.76	+0.06	.	+ 7 36 44.7	-0.4	15 58.7	-0.8
11.0	P.	.	.	.....	.....	.....	.....	.	+ 8 21 2.9	-1.1	16 1.2	+2.2
13.0	M.	.	.	1 26 28.34	+0.08	64.83	-0.05	.	+ 9 4 48.7	-0.2	15 56.8	-1.6
14.0	Fk.	.	.	1 30 9.23	-0.19	64.93	0.00	.	+ 9 26 27.1	-0.7	15 57.2	-1.0
16.0	M.	.	.	1 37 32.70	-0.03	65.07	+0.04	.	+10 9 16.8	-0.3	15 57.2	-0.4
17.0	Fk.	.	.	1 41 14.92	-0.02	65.17	+0.09	.	+10 30 27.4	+0.4	15 58.2	+0.8
20.0	M.	E.	.	1 52 23.93	-0.05	65.25	-0.01	.	+11 32 51.9	-0.8	15 55.6	-1.0
21.0	P.	.	.	1 56 7.94	+0.10	65.41	+0.09	.	+11 53 19.0	-0.1	15 56.4	+0.1
22.0	Fk.	.	.	1 59 52.15	-0.01	65.36	-0.02	.	+12 13 34.1	+0.2	15 58.1	+2.1
May 1.0	P.	W.	.	2 33 53.47	+0.01	66.17	+0.13	.	+15 6 10.9	-1.0	15 53.4	-0.4
2.0	Fk.	.	.	2 37 42.90	+0.01	66.08	-0.04	.	+15 24 11.8	-0.7	15 52.7	-0.9
11.0	M.	.	.	3 12 32.32	+0.04	66.82	-0.02	.	+17 54 11.8	-0.5	15 50.1	-1.5
12.0	P.	.	.	3 16 27.28	+0.08	66.89	-0.04	.	+18 9 26.1	+0.3	15 50.3	-1.1
13.0	Fk.	.	.	3 20 22.67	-0.04	66.98	-0.04	.	+18 24 22.0	+1.0	15 50.8	-0.4
14.0	M.	.	.	3 24 18.72	-0.05	67.06	-0.04	.	+18 38 57.4	-0.5	15 49.7	-1.3
18.0	M.	.	.	3 40 8.66	-0.02	67.34	-0.08	.	+19 34 12.2	-1.2	15 48.5	-1.7
20.0	Fk.	.	.	3 48 7.09	+0.03	67.56	-0.02	.	+19 59 52.6	-0.3	15 48.7	-1.1
22.0	P.	.	.	3 56 7.68	0.00	67.80	+0.07	.	+20 24 11.1	+0.2	15 48.3	-1.2
25.0	M.	.	.	4 8 12.60	-0.10	67.82	-0.12	.	+20 58 0.2	-0.8	15 47.4	-1.5
26.0	P.	.	.	.....	.....	.....	.....	.	+21 8 34.8	-0.2	15 49.7	+0.9
27.0	Fk.	.	.	4 16 18.59	-0.04	68.05	-0.02	.	+21 18 47.0	-0.1	15 47.2	-1.4
28.0	M.	.	.	4 20 22.31	-0.03	68.11	-0.03	.	+21 28 36.6	-0.6	15 46.7	-1.7
June 1.0	Fk.	.	.	4 36 41.63	-0.02	68.34	-0.04	.	+22 4 13.0	+0.4	15 47.1	-0.8
2.0	P.	.	.	4 40 47.58	+0.08	68.45	+0.02	.	+22 12 8.6	-0.8	15 46.8	-0.9
5.0	P.	.	.	4 53 7.30	+0.07	68.56	-0.03	.	+22 33 38.4	-0.7	15 47.2	-0.2
8.0	M.	W.	.	5 5 29.74	-0.06	68.66	-0.06	.	+22 51 35.7	+0.6	15 45.0	-2.0

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1908				h m s	s	s	s		" "	" "	" "	" "
June 9.0	P.	W.	.	5 9 37.74	-0.13	68.82	+0.06	.	.. .. .	.. .. .	.. .. .	.. .. .
10.0	Fk.	.	.	5 13 46.07	-0.08	68.64	-0.15	.	+23 1 31.5	-0.6	15 45.4	-1.4
12.0	P.	.	.	5 22 3.34	+0.04	68.90	+0.06	.	+23 9 50.9	-0.8	15 45.9	-0.7
13.0	Fk.	.	.	5 26 12.08	-0.07	68.84	-0.02	.	+23 13 24.9	0.0	15 45.6	-1.0
16.0	P.	.	.	5 38 39.70	+0.09	68.97	+0.05	.	+23 21 35.6	-1.2	15 47.3	+1.0
17.0	Fk.	.	.	5 42 48.86	-0.14	68.83	-0.10	.	+23 23 30.6	-0.8	15 45.4	-0.8
18.0	M.	.	.	5 46 58.47	0.00	68.94	0.00	.	+23 25 0.3	-1.0	15 45.1	-1.1
19.0	P.	.	.	5 51 8.05	+0.05	69.07	+0.13	.	+23 26 6.3	-0.2	15 45.0	-1.1
22.0	M.	.	.	6 3 36.82	+0.03	68.90	-0.04	.	+23 26 52.9	-0.6	15 44.2	-1.7
23.0	Fk.	.	.	6 7 46.38	+0.02	68.86	-0.07	.	+23 26 19.1	-0.5	15 44.8	-1.1
24.0	M.	.	.	6 11 55.88	0.00	68.93	+0.01	.	+23 25 20.5	-0.4	15 44.5	-1.3
25.0	Fk.	.	.	6 16 5.28	-0.03	68.86	-0.05	.	+23 23 57.9	+0.4	15 44.5	-1.3
July 6.0	M.	.	.	7 5 42.73	+0.07	68.55	+0.06	.	+22 41 43.5	-1.1	15 44.2	-1.5
7.0	P.	.	.	7 5 42.73	+0.07	68.55	+0.06	.	+22 35 30.3	+0.2	15 45.2	-0.5
8.0	Fk.	.	.	7 9 48.72	0.00	68.36	-0.08	.	+22 28 52.5	+0.5	15 44.5	-1.2
9.0	M.	.	.	7 13 54.30	-0.07	68.34	-0.04	.	+22 21 49.7	-1.0	15 45.1	-0.7
10.0	P.	.	.	7 17 59.54	-0.05	68.42	+0.11	.	+22 14 25.7	-0.7	15 44.5	-1.3
11.0	Fk.	.	.	7 22 4.37	0.00	68.22	-0.03	.	+22 6 39.2	+0.5	15 45.5	-0.3
13.0	M.	.	.	7 30 12.44	-0.09	68.11	0.00	.	+21 49 55.6	-0.3	15 44.6	-1.3
14.0	P.	.	.	7 34 15.99	+0.08	68.18	+0.13	.	+21 40 59.6	-1.2	15 46.1	+0.1
15.0	Fk.	.	.	7 38 18.80	-0.01	67.98	0.00	.	+21 31 42.9	-0.4	15 45.4	-0.6
16.0	M.	.	.	7 42 21.17	-0.03	67.87	-0.04	.	+21 22 3.2	-0.8	15 44.5	-1.5
17.0	P.	.	.	7 46 23.12	+0.02	67.91	+0.07	.	+21 12 2.3	-0.6	15 44.8	-1.3
20.0	M.	.	.	7 58 25.65	-0.06	67.54	-0.07	.	+20 39 50.9	-0.2	15 45.4	-0.9
28.0	Fk.	.	.	8 30 8.43	0.00	66.90	-0.05	.	+18 58 58.4	-0.3	15 45.8	-1.2
30.0	Fk.	.	.	8 37 58.17	-0.05	66.76	-0.02	.	+18 30 31.3	-0.9	15 45.9	-1.3
Aug. 1.0	Fk.	.	.	8 45 45.59	+0.05	66.52	-0.09	.	+18 0 52.6	-0.1	15 45.7	-1.8
3.0	P.	.	.	8 53 30.47	+0.07	66.48	+0.05	.	+17 30 2.4	-0.1	15 47.0	-0.8
4.0	Fk.	.	.	8 57 21.90	+0.02	66.38	+0.04	.	+17 14 11.2	-0.7	15 47.9	0.0
5.0	P.	.	.	9 1 12.87	+0.12	66.25	0.00	.	+16 58 3.9	-0.4	15 46.9	-1.1
10.0	P.	.	.	9 24 5.25	+0.06	65.76	+0.02	.	+15 33 26.7	-0.3	15 48.2	-0.6
11.0	Fk.	.	.	9 31 37.98	-0.06	65.57	-0.01	.	+15 15 45.5	-0.2	15 48.7	-0.3
13.0	Fk.	.	.	9 35 23.70	+0.07	65.60	+0.10	.	+14 21 15.5	+0.2	15 48.7	-0.8
14.0	P.	.	.	9 39 8.70	0.00	65.42	0.00	.	+14 2 38.1	+0.9	15 48.2	-1.4
18.0	P.	.	.	9 50 20.93	+0.05	65.30	+0.10	.	+13 5 23.9	0.0	15 48.6	-1.6
19.0	Fk.	.	.	9 54 3.95	-0.01	65.08	-0.05	.	+12 45 53.8	-0.3	15 49.4	-1.0
20.0	P.	.	.	9 57 46.65	+0.08	65.10	+0.04	.	+12 26 11.1	-0.8	15 49.6	-1.0
21.0	Fk.	.	.	10 1 28.75	+0.02	65.01	+0.02	.	+12 6 18.5	+0.7	15 50.0	-0.7
28.0	P.	.	.	10 27 11.99	+0.12	64.61	+0.05	.	+ 9 41 53.2	-0.1	15 51.2	-1.0
29.0	Fk.	.	.	10 30 50.77	+0.01	64.50	-0.01	.	+ 9 20 35.5	-0.2	15 52.3	-0.1
Sept. 31.0	M.	.	.	10 38 7.43	-0.04	64.40	-0.01	.	+ 8 37 33.8	-0.5	15 51.9	-1.0
2.0	Fk.	.	.	10 45 22.89	+0.01	64.30	-0.03	.	+ 7 53 59.8	+0.2	15 52.3	-1.0
3.0	M.	.	.	10 49 0.05	-0.09	64.22	-0.07	.	+ 7 31 59.8	-1.0	15 51.9	-1.7
4.0	P.	.	.	10 52 37.17	+0.06	64.28	+0.03	.	+ 7 9 53.3	-1.5	15 53.8	0.0
8.0	P.	.	.	11 7 2.59	+0.07	64.20	+0.07	.	+ 5 40 24.8	-0.2	15 54.5	-0.3
9.0	Fk.	.	.	11 10 38.45	+0.07	64.08	-0.03	.	+ 5 17 48.4	+0.6	15 54.7	-0.3
11.0	P.	.	.	11 17 49.65	+0.02	64.10	+0.03	.	+ 4 32 17.6	0.0	15 54.6	-1.0
12.0	Fk.	.	.	11 21 25.17	+0.08	63.98	-0.07	.	+ 4 9 25.5	+0.3	15 54.7	-1.1
14.0	M.	.	.	11 28 35.73	-0.05	63.94	-0.09	.	+ 3 23 27.1	-0.4	15 54.9	-1.4
15.0	P.	.	.	11 35 46.33	+0.02	64.04	+0.03	.	+ 3 0 23.8	+1.0	15 55.6	-1.0
16.0	Fk.	.	.	11 35 46.33	+0.02	64.04	+0.03	.	+ 2 37 15.8	+1.1	15 56.3	-0.5
18.0	P.	.	.	11 42 56.90	+0.04	64.02	+0.01	.	+ 1 50 48.8	-0.3	15 56.4	-0.9
19.0	Fk.	.	.	11 46 32.26	+0.08	63.98	-0.04	.	+ 1 27 32.0	-0.4	15 56.2	-1.4
22.0	P.	W.	.	11 57 18.65	+0.08	64.08	+0.03	.	+ 0 17 31.6	+0.8	15 57.3	-1.1

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1908				h m s	s	s	s		° ' "	"	"	"
Sept. 23.0	Fk.	W.	.	12 0 54.24	0.00	64.04	-0.03	.	- 0 5 52.5	-0.1	15 57.6	-1.0
24.0	M.		.	12 4 30.06	+0.01	64.06	-0.03	.	- 0 29 16.8	-0.2	15 56.9	-2.0
25.0	P.		.	12 8 6.10	+0.08	64.16	+0.04	.	- 0 52 41.2	-0.2	15 58.1	-1.1
Oct. 7.0	L.		.	12 51 35.72	+0.09	64.66	+0.03	.	- 5 31 51.9	+0.5	16 2.1	-0.5
8.0	M.		.	12 55 15.17	-0.03	64.66	-0.03	.	- 5 54 47.9	+0.7	16 1.6	-1.2
12.0	M.		.	13 9 57.90	-0.10	64.94	-0.03	.	- 7 25 43.6	+0.4	16 2.4	-1.5
13.0	P.		.	13 13 40.01	+0.08	65.18	+0.13	.	- 7 48 14.1	-0.5	16 3.6	-0.6
14.0	M.		.	13 17 22.34	-0.06	65.08	-0.05	.	- 8 10 35.3	+1.4	16 4.9	+0.4
15.0	P.		.	13 21 5.54	+0.11	65.27	+0.06	.	- 8 32 52.8	+0.3	16 3.2	-1.6
16.0	M.		.	13 24 49.10	+0.07	65.24	-0.05	.	- 8 55 2.3	+0.1	16 3.9	-1.1
17.0	P.		.	13 28 33.34	+0.11	65.42	+0.04	.	- 9 17 3.9	+0.2	16 4.0	-1.3
19.0	M.		.	13 36 3.50	-0.03	65.52	-0.04	.	-10 0 44.0	-0.6	16 4.8	-1.0
20.0	P.		.	13 39 49.72	+0.08	65.70	+0.05	.	-10 22 20.4	-0.1	16 4.6	-1.5
23.0	P.		.	13 51 12.02	+0.08	65.94	+0.01	.	-11 26 14.9	-0.1	16 6.0	-0.9
26.0	M.		.	14 2 40.54	-0.01	66.18	-0.07	.	-12 28 36.9	-0.3	16 6.0	-1.7
27.0	P.		.	14 6 31.57	+0.05	66.36	0.00	.	-12 49 1.9	-0.7	16 7.9	0.0
30.0	P.		.	14 18 9.01	+0.08	66.68	0.00	.	-13 49 2.4	-0.7	16 9.4	+0.7
31.0	L.		.	14 22 2.98	+0.08	66.86	+0.07	.	-14 8 36.2	-0.3	16 8.4	-0.6
Nov. 2.0	M.		.	14 29 53.25	+0.06	67.00	-0.02	.	-14 47 2.1	+0.7	16 7.5	-2.0
3.0	P.		.	14 33 49.61	+0.08	67.18	+0.04	.	-15 5 53.9	+0.7	16 8.6	-1.1
5.0	M.		.	14 41 44.55	-0.03	67.37	-0.01	.	-15 42 52.2	+0.9	16 9.5	-0.7
6.0	P.		.	14 45 43.46	+0.12	67.53	+0.03	.	-16 0 58.6	+0.4	16 9.5	-1.0
9.0	M.		.	14 57 44.60	-0.04	67.80	-0.06	.	-16 53 38.7	+0.2	16 9.2	-2.0
10.0	P.		.	15 1 46.86	+0.09	68.00	+0.02	.	-17 10 37.4	+0.8	16 10.0	-1.4
12.0	M.		.	15 9 53.50	-0.12	68.24	+0.02	.	-17 43 44.1	-0.3	16 11.5	-0.3
13.0	P.		.	15 13 58.48	+0.16	68.49	+0.16	.	-17 59 50.2	-1.0	16 11.7	-0.3
16.0	M.		.	15 26 17.69	-0.03	68.69	0.00	.	-18 46 11.5	+0.1	16 10.7	-2.0
17.0	P.		.	15 30 25.89	-0.01	68.89	+0.09	.	-19 1 0.9	-1.1	16 13.9	+1.0
18.0	L.		.	15 34 35.05	+0.12	68.93	+0.01	.	-19 15 27.3	+0.2	16 12.3	-0.8
19.0	M.		.	15 38 44.70	-0.10	68.99	-0.04	.	-19 29 33.8	+0.6	16 11.9	-1.4
20.0	P.		.	15 42 55.65	+0.14	69.20	+0.06	.	-19 43 20.7	-0.3	16 12.5	-1.0
21.0	L.		.	15 47 7.08	+0.04	69.32	+0.07	.	-19 56 44.5	+0.5	16 13.1	-0.5
27.0	P.		.	16 12 32.81	-0.01	70.03	+0.14	.	-21 9 22.3	-1.0	16 16.2	+1.5
30.0	M.		.	16 25 25.45	-0.06	70.10	-0.07	.	-21 40 20.0	+0.4	16 12.5	-2.7
Dec. 1.0	P.		.	16 29 44.51	+0.12	70.19	-0.07	.	-21 49 51.2	-0.5	16 13.8	-1.6
2.0	M.		.	16 34 3.84	-0.05	70.40	+0.05	.	-21 58 54.9	+0.7	16 15.1	-0.5
3.0	P.		.	16 38 23.91	-0.07	70.56	+0.13	.	-22 7 36.8	-1.6	16 15.4	-0.3
8.0	P.		.	17 0 12.74	-0.04	70.88	+0.10	.	-22 44 22.8	0.0	16 15.9	-0.5
9.0	L.		.	17 4 36.19	+0.14	70.92	+0.07	.	-22 50 23.5	+1.3	16 16.0	-0.5
16.0	L.		.	.....	....	.....	....	.	-23 19 52.3	+1.3	16 16.0	-1.2
19.0	L.		.	17 48 48.58	+0.07	71.29	+0.06	.	-23 25 34.3	0.0	16 17.6	+0.2
23.0	L.		.	18 6 35.28	+0.19	71.27	+0.01	.	-23 26 33.1	+0.5	16 16.9	-0.7
26.0	L.		.	18 19 54.96	0.00	71.30	+0.07	.	-23 22 19.9	+0.9	16 17.8	0.0
28.0	M.		.	18 28 47.62	+0.04	71.12	-0.07	.	-23 17 11.1	-0.2	16 16.1	-1.7
29.0	P.		.	18 33 13.69	+0.11	71.21	+0.05	.	-23 13 52.9	+1.0	16 16.6	-1.2
31.0	M.		.	18 42 4.71	-0.08	71.08	-0.01	.	-23 5 55.9	+0.2	16 17.2	-0.7
1909												
Jan. 2.0	L.		.	18 50 54.83	+0.04	71.14	+0.15	.	-22 56 6.3	+0.9	16 17.4	-0.5
4.0	M.		.	.....	....	.....	....	.	-22 44 27.8	+1.0	16 16.7	-1.2
6.0	L.		.	19 8 30.16	-0.01	70.76	-0.03	.	-22 31 1.4	+0.8	16 16.0	-1.9
18.0	M.		.	20 0 25.90	-0.01	69.74	-0.05	.	-20 34 11.5	0.0	16 15.8	-1.4
19.0	P.		.	20 4 41.46	+0.07	69.78	+0.09	.	-20 21 46.9	+1.1	16 16.8	-0.3
20.0	L.		.	20 8 56.25	+0.11	69.63	+0.04	.	-20 9 1.3	+0.2	16 15.8	-1.2
22.0	P.		.	20 17 23.54	+0.17	69.35	-0.03	.	-19 42 19.5	+1.3	16 14.8	-2.0
25.0	M.		.	20 29 58.24	-0.07	68.95	-0.10	.	-18 59 36.7	-0.9	16 14.9	-1.6
26.0	L.		.	20 34 8.46	+0.13	69.01	+0.07	.	-18 44 38.4	+0.3	16 16.2	-0.2
27.0	P.	W.	.	20 38 17.57	+0.05	68.86	+0.03	.	-18 29 20.9	+0.3	16 15.9	-0.4

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1909				h m s	s	s	s		° ' "	"	"	"
Jan. 28.0	M.	W.	.	20 42 25.70	-0.18	68.70	-0.02	.	-18 13 44.6	-1.0	16 15.7	-0.5
Feb. 1.0	M.	.	.	20 58 50.66	-0.24	68.44	+0.18	.	-17 8 2.4	-0.9	16 16.4	+0.8
2.0	P.	.	.	21 2 55.13	+0.07	68.22	+0.08	.	-16 50 48.1	+1.8	16 15.2	-0.3
3.0	L.	.	.	21 6 58.45	+0.06	68.06	+0.03	.	-16 33 19.8	+0.9	16 15.8	+0.5
4.0	M.	.	.	21 11 0.84	-0.06	67.85	-0.06	.	-16 15 33.3	+1.1	16 11.8	-3.4
6.0	L.	.	.	21 19 3.42	-0.04	67.84	+0.16	.	-15 39 10.7	+0.9	16 14.5	-0.3
8.0	P.	.	.	21 27 2.95	+0.14	67.52	+0.07	.	-15 1 45.3	-0.4	16 13.4	-1.1
11.0	M.	.	.	21 38 55.99	+0.02	67.17	+0.05	.	-14 3 41.8	+0.2	16 12.4	-1.5
13.0	L.	.	.	21 46 47.75	+0.13	66.91	+0.01	.	-13 23 48.9	+0.5	16 12.8	-0.7
16.0	P.	.	.	.....	.....	.....	.....	.	-12 22 22.6	0.0	16 11.9	-1.0
17.0	L.	.	.	22 2 22.33	+0.14	66.58	+0.10	.	.....	.....	.....	.....
18.0	M.	.	.	22 6 14.08	0.00	66.34	-0.04	.	-11 40 24.6	-0.2	16 11.0	-1.5
25.0	M.	.	.	.....	.....	.....	.....	.	-9 8 4.7	-0.6	16 9.9	-1.1
26.0	P.	.	.	22 36 45.46	+0.06	65.78	+0.13	.	-8 45 41.2	+1.4	16 11.2	+0.5
27.0	L.	.	.	22 40 31.57	+0.04	65.66	+0.09	.	-8 23 13.3	+0.2	16 10.7	+0.2
Mar. 1.0	M.	.	.	22 48 2.07	-0.03	65.40	-0.01	.	-7 37 53.7	+0.1	16 8.0	-2.0
5.0	P.	.	.	23 2 57.17	+0.11	65.24	+0.10	.	-6 6 0.5	-0.1	16 7.8	-1.3
8.0	M.	.	.	23 14 3.40	-0.19	64.94	-0.02	.	-4 56 12.4	-0.7	16 8.8	+0.5
10.0	M.	.	.	23 21 25.94	-0.09	64.88	+0.03	.	-4 9 20.5	-0.9	16 6.9	-0.9
11.0	L.	.	.	23 25 6.85	+0.09	64.89	+0.09	.	-3 45 49.1	-0.5	16 7.7	+0.2
12.0	P.	.	.	23 28 47.29	+0.11	64.74	-0.01	.	-3 22 14.2	+0.7	16 6.3	-0.9
16.0	P.	.	.	23 43 26.29	+0.09	64.64	+0.05	.	-1 47 38.2	+1.1	16 4.7	-1.5
17.0	L.	.	.	23 47 5.35	-0.06	64.68	+0.12	.	.....	.....	.....	.....
18.0	M.	.	.	23 50 44.34	-0.09	64.53	-0.01	.	-1 0 14.3	0.0	16 3.9	-1.7
20.0	L.	.	.	23 58 2.03	+0.03	64.59	+0.09	.	-0 12 47.8	+0.6	16 5.4	+0.2
22.0	M.	.	.	0 5 18.99	-0.05	64.48	+0.01	.	+0 34 35.3	-0.1	16 2.1	-2.4
23.0	P.	.	.	0 8 57.48	+0.07	64.52	+0.07	.	+0 58 15.0	-0.5	16 4.0	-0.2
24.0	L.	.	.	0 12 35.85	+0.15	64.42	-0.02	.	+1 21 53.6	-0.2	16 2.7	-1.3
25.0	M.	.	.	0 16 13.86	-0.07	64.46	+0.02	.	+1 45 29.5	-0.5	16 2.8	-0.9
26.0	P.	.	.	0 19 52.16	+0.06	64.59	+0.16	.	+2 9 3.6	-0.1	16 1.9	-1.5
29.0	M.	.	.	0 30 46.49	-0.02	64.43	-0.01	.	+3 19 25.7	-0.8	16 3.1	+0.5
Apr. 30.0	P.	.	.	0 34 24.79	+0.12	64.52	+0.07	.	+3 42 46.7	0.0	16 1.9	-0.4
1.0	M.	.	.	0 41 41.11	-0.09	64.44	-0.04	.	+4 29 12.6	-0.9	16 1.3	-0.5
5.0	M.	.	.	0 56 15.38	-0.15	64.60	+0.03	.	+6 1 5.0	-0.9	15 59.7	-1.0
6.0	P.	.	.	0 59 54.55	+0.04	64.58	-0.02	.	+6 23 49.0	0.0	15 59.2	-1.2
7.0	L.	.	.	1 3 33.65	-0.04	64.60	-0.03	.	+6 46 26.4	+0.8	15 59.1	-1.0
9.0	P.	.	.	1 10 52.73	-0.01	64.82	+0.12	.	+7 31 16.1	-1.9	16 0.4	+0.8
10.0	L.	.	.	1 14 32.71	+0.06	64.76	+0.03	.	+7 53 33.3	+0.4	15 58.5	-0.8
12.0	M.	.	.	1 21 53.32	-0.03	64.78	-0.03	.	+8 37 38.4	-0.5	16 2.4	+3.6
15.0	M.	.	.	1 32 56.75	-0.10	64.96	+0.01	.	+9 42 43.2	-0.3	15 56.5	-1.4
16.0	P.	.	.	1 36 38.80	+0.07	65.08	+0.08	.	+10 4 6.7	+0.3	15 57.0	-0.6
17.0	L.	.	.	1 40 21.03	+0.04	65.14	+0.08	.	+10 25 19.6	0.0	15 57.5	+0.1
19.0	M.	.	.	.....	.....	.....	.....	.	+11 7 14.8	-0.2	15 55.3	-1.5
22.0	M.	.	.	.....	.....	.....	.....	.	+12 8 44.3	-0.8	15 55.3	-0.8
24.0	L.	.	.	2 6 28.24	-0.07	65.51	+0.01	.	+12 48 45.4	-0.2	15 55.4	-0.2
26.0	M.	.	.	2 14 0.05	-0.03	65.62	-0.02	.	+13 27 55.3	-0.2	15 53.4	-1.7
May 27.0	P.	W.	.	2 21 33.76	-0.01	65.78	0.00	.	+13 47 10.1	-0.4	15 53.4	-1.4
28.0	L.	E.	.	.....	.....	.....	.....	.	+14 6 11.7	-0.2	15 54.4	-0.2
11.0	P.	E.	.	.....	.....	.....	.....	.	+17 50 25.6	+0.4	15 51.8	+0.2
12.0	L.	.	.	.....	.....	.....	.....	.	+18 5 42.3	-1.1	15 52.4	+1.0
13.0	M.	.	.	3 19 24.68	-0.08	66.95	-0.04	.	+18 20 43.3	-0.3	15 49.9	-1.3
15.0	L.	.	.	3 27 17.41	-0.01	67.18	+0.03	.	+18 49 48.2	-0.2	15 50.5	-0.3
17.0	M.	.	.	3 35 12.22	-0.20	67.26	-0.06	.	+19 17 36.0	-1.3	15 50.5	+0.1
18.0	P.	.	.	3 39 10.80	+0.02	67.47	+0.07	.	.....	.....	.....	.....
25.0	P.	E.	.	4 7 14.52	+0.07	67.92	-0.01	.	+20 55 28.8	+0.2	15 50.0	+1.0
28.0	P.	E.	.	4 19 23.70	+0.18	68.14	+0.01	.	+21 26 20.2	-0.1	15 47.1	-1.4

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1909				h m s	s	s	s		° ' "	"	' "	"
June 1.0	P.	E.	.	4 35 41.92	+0.11	68.40	+0.02	.	+22 2 15.3	-0.3	15 46.7	-1.2
2.0	L.	.	.	4 39 47.44	+0.03	68.36	-0.07	.	+22 10 17.5	+0.1	15 47.5	-0.3
5.0	L.	.	.	.....	.....	.....	.....	.	+22 32 2.4	-0.3	15 46.5	-0.9
7.0	M.	.	.	.....	.....	.....	.....	.	+22 44 35.8	+0.5	15 45.7	-1.5
12.0	M.	.	.	5 21 1.94	-0.07	68.76	-0.07	.	+23 8 56.4	-0.5	15 45.4	-1.2
14.0	L.	.	.	5 29 20.18	+0.07	68.88	+0.01	.	+23 15 51.8	+0.2	15 46.0	-0.4
16.0	L.	.	.	5 37 38.82	-0.04	68.88	-0.03	.	+23 21 8.1	+0.5	15 46.3	0.0
18.0	L.	.	.	5 45 58.05	+0.02	68.92	-0.01	.	+23 24 44.9	0.0	15 45.7	-0.4
19.0	M.	.	.	5 50 7.56	-0.14	68.96	+0.02	.	+23 25 55.7	-0.6	15 46.3	+0.2
21.0	L.	.	.	5 58 27.13	+0.07	68.92	-0.02	.	+23 27 4.6	-0.1	15 45.2	-0.8
22.0	M.	.	.	6 2 36.81	+0.09	68.86	-0.08	.	+23 27 0.2	-1.4	15 44.2	-1.7
23.0	L.	.	.	6 6 46.39	+0.08	68.86	-0.07	.	+23 26 33.7	+0.1	15 45.9	0.0
24.0	M.	.	.	6 10 55.88	+0.07	68.88	-0.04	.	+23 25 40.0	-0.9	15 44.1	-1.7
25.0	L.	.	.	6 15 5.19	-0.03	68.89	-0.02	.	+23 24 23.0	-0.4	15 44.7	-1.1
26.0	M.	.	.	6 19 14.40	-0.10	68.88	-0.01	.	+23 22 41.2	+0.1	15 45.0	-0.8
28.0	L.	.	.	.....	.....	.....	.....	.	+23 18' 4.3	+1.8	15 44.5	-1.2
29.0	M.	.	.	6 31 41.22	-0.05	68.80	-0.01	.	+23 15 6.3	-0.1	15 43.8	-1.9
30.0	L.	.	.	6 35 49.83	+0.05	68.85	+0.07	.	+23 11 47.3	+1.4	15 46.4	+0.7
July 1.0	M.	.	.	6 39 58.02	-0.04	68.74	0.00	.	.....	.....	.....	.....
2.0	P.	.	.	6 44 6.20	+0.11	68.74	+0.04	.	+23 3 51.3	-0.6	15 44.6	-1.1
3.0	L.	.	.	6 48 13.89	+0.05	68.73	+0.06	.	+22 59 18.5	-0.2	15 45.3	-0.4
7.0	L.	.	.	7 4 41.79	+0.05	68.51	+0.01	.	+22 37 6.7	+0.4	15 45.4	-0.3
8.0	M.	.	.	7 8 47.84	-0.04	68.40	-0.05	.	+22 30 33.9	-0.3	15 45.3	-0.4
9.0	P.	.	.	7 12 53.74	+0.09	68.42	+0.02	.	+22 23 38.6	-0.1	15 46.2	+0.5
10.0	L.	.	.	7 16 59.10	+0.06	68.36	+0.02	.	+22 16 20.2	+0.3	15 44.9	-0.9
12.0	M.	.	.	7 25 8.56	-0.03	68.13	-0.08	.	+22 0 32.3	-1.2	15 44.9	-0.9
14.0	L.	.	.	7 33 16.42	+0.03	68.10	+0.02	.	+21 43 16.6	+0.3	15 45.4	-0.5
15.0	M.	.	.	7 37 19.48	-0.11	68.04	+0.03	.	+21 34 3.9	-0.3	15 45.0	-0.9
17.0	L.	.	.	7 45 24.62	+0.12	67.94	+0.08	.	+21 14 34.8	+0.7	15 46.7	+0.7
21.0	M.	.	.	8 1 27.79	-0.09	67.60	+0.05	.	+20 31 15.6	+0.1	15 45.8	-0.5
24.0	P.	.	.	8 13 24.59	+0.17	67.30	-0.01	.	+19 55 9.1	+0.5	15 46.6	0.0
26.0	M.	.	.	8 21 19.05	-0.05	67.08	-0.06	.	.....	.....	.....	.....
27.0	P.	.	.	8 25 15.63	+0.10	67.08	+0.02	.	+19 16 2.8	-0.1	15 45.8	-1.1
28.0	M.	.	.	8 29 11.30	-0.03	66.96	-0.01	.	+19 2 22.0	-0.4	15 45.8	-1.2
29.0	P.	.	.	8 33 6.64	+0.13	67.00	+0.11	.	+18 48 22.9	-0.2	15 46.1	-1.0
30.0	M.	.	.	8 37 1.12	+0.04	66.76	-0.04	.	+18 34 4.8	-0.6	15 45.9	-1.3
31.0	L.	.	.	8 40 55.09	+0.04	66.70	-0.01	.	+18 19 29.4	0.0	15 45.8	-1.6
Aug. 2.0	L.	.	.	8 48 41.17	+0.03	66.54	+0.01	.	+17 49 24.2	+0.4	15 47.7	+0.1
3.0	P.	.	.	8 52 33.35	+0.07	66.42	-0.02	.	+17 33 54.8	-0.1	15 46.2	-1.6
4.0	L.	.	.	8 56 24.84	+0.02	66.45	+0.10	.	+17 18 9.5	+0.7	15 48.5	+0.6
5.0	P.	.	.	9 0 15.83	+0.06	66.38	+0.11	.	+17 2 6.4	+0.6	15 47.3	-0.7
7.0	P.	.	.	9 7 56.03	+0.08	66.15	+0.05	.	+16 29 10.9	+0.5	15 47.5	-0.8
9.0	L.	.	.	9 15 33.97	+0.11	65.96	+0.03	.	+15 55 11.1	+0.2	15 48.7	+0.1
10.0	P.	.	.	9 19 22.06	+0.10	65.90	+0.06	.	+15 37 48.2	+0.4	15 48.4	-0.3
16.0	P.	.	.	9 41 59.02	-0.02	65.39	+0.03	.	+13 48 22.8	-0.6	15 49.7	0.0
17.0	L.	.	.	9 45 43.36	+0.02	65.31	+0.03	.	+13 29 21.2	0.0	15 49.2	-0.7
19.0	L.	.	.	9 53 10.49	+0.10	65.20	+0.06	.	+12 50 38.7	0.0	15 50.1	-0.2
20.0	P.	.	.	9 56 53.23	+0.07	65.15	+0.07	.	+12 30 59.8	+0.7	15 49.6	-0.9
21.0	L.	.	.	.....	.....	.....	.....	.	+12 11 7.6	0.0	15 49.6	-1.1
23.0	L.	.	.	10 7 58.59	+0.04	64.84	-0.04	.	+11 30 50.3	+0.1	15 51.3	+0.2
24.0	P.	.	.	10 11 39.55	+0.13	64.84	+0.03	.	+11 10 25.4	+0.4	15 51.3	0.0
25.0	L.	.	.	10 15 19.87	+0.02	64.76	+0.01	.	+10 49 49.5	+0.2	15 50.8	-0.8
27.0	L.	.	.	10 22 39.54	+0.10	64.66	+0.02	.	+10 8 7.6	-0.2	15 51.7	-0.3
30.0	M.	.	.	10 33 35.86	-0.05	64.43	-0.05	.	+9 4 24.1	-0.2	15 51.6	-1.0
31.0	P.	E.	.	10 37 14.17	+0.13	64.43	0.00	.	+8 42 52.7	+0.6	15 52.5	-0.4

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1909				h m s	s	s	s		° ' "	"	' "	"
Sept. 1.0	L.	E.	.	10 40 51.92	+0.07	64.39	+0.01	.	+ 8 21 11.7	+0.1	15 52.6	-0.5
2.0	M.	.	.	10 44 29.33	-0.03	64.32	-0.02	.	+ 7 59 22.4	-0.7	15 53.3	0.0
4.0	L.	.	.	10 51 43.65	+0.06	64.24	-0.01	.	+ 7 15 23.4	+0.5	15 54.0	+0.2
7.0	P.	.	.	11 2 33.33	+0.05	64.26	+0.11	.	+ 6 8 29.3	-0.4	15 55.1	+0.6
8.0	L.	.	.	11 6 9.49	+0.03	64.14	+0.01	.	+ 5 45 58.9	-0.1	15 54.9	+0.2
11.0	L.	.	.	11 16 57.12	+0.01	64.08	+0.01	.	+ 4 37 53.7	+0.7	15 55.5	+0.1
13.0	L.	.	.	11 24 8.34	+0.03	64.05	+0.01	.	+ 3 52 4.6	+0.7	15 55.9	-0.1
14.0	P.	.	.	11 27 43.91	+0.12	64.09	+0.06	.	+ 3 29 3.5	+0.6	15 55.0	-1.2
15.0	M.	.	.	.....	.....	.....	.....	.	+ 3 5 58.8	+0.7	15 54.7	-1.8
18.0	P.	.	.	11 42 5.29	+0.06	64.06	+0.04	.	+ 1 56 23.8	-0.4	15 56.5	-0.8
20.0	M.	.	.	11 49 15.97	+0.02	63.98	-0.05	.	+ 1 9 49.4	+0.5	15 55.8	-2.0
23.0	P.	.	.	.....	.....	.....	.....	.	- 0 0 15.4	+0.4	15 58.0	-0.6
25.0	P.	.	.	12 7 13.91	+0.06	64.16	+0.05	.	- 0 47 3.4	-0.4	15 59.3	+0.1
27.0	M.	.	.	12 14 25.86	-0.03	64.08	-0.09	.	- 1 33 50.3	-0.3	15 57.3	-2.4
28.0	P.	.	.	12 18 2.27	+0.07	64.23	+0.03	.	- 1 57 13.1	-0.5	15 58.6	-1.4
29.0	L.	.	.	12 21 38.77	+0.05	64.22	-0.01	.	- 2 20 33.5	+0.8	15 59.2	-1.1
Oct. 30.0	P.	.	.	12 25 15.58	+0.10	64.32	+0.05	.	- 2 43 54.6	+0.1	16 0.0	-0.6
1.0	M.	.	.	12 28 52.51	0.00	64.35	+0.03	.	- 3 7 13.4	+0.1	15 59.7	-1.1
2.0	L.	.	.	12 32 29.98	+0.12	64.32	-0.05	.	- 3 30 30.0	+0.3	16 1.0	-0.1
4.0	M.	.	.	.....	.....	.....	.....	.	- 4 16 56.7	0.0	16 0.1	-1.5
5.0	P.	.	.	12 43 24.03	+0.10	64.57	+0.07	.	- 4 40 6.6	-0.9	16 0.7	-1.2
6.0	L.	.	.	.....	.....	.....	.....	.	- 5 3 13.0	-1.6	16 2.3	+0.1
7.0	M.	.	.	12 50 41.81	-0.02	64.56	-0.05	.	- 5 26 14.1	-0.7	16 0.9	-1.6
8.0	P.	.	.	12 54 21.46	+0.06	64.71	+0.04	.	- 5 49 11.8	-0.4	16 2.2	-0.5
9.0	L.	.	.	12 58 1.49	+0.07	64.72	-0.01	.	- 6 12 5.2	0.0	16 2.8	-0.2
12.0	P.	.	.	13 9 4.41	+0.10	65.02	+0.08	.	- 7 20 15.4	+0.4	16 2.7	-1.1
13.0	L.	.	.	13 12 46.33	+0.07	65.07	+0.05	.	- 7 42 47.6	+0.3	16 4.1	0.0
15.0	P.	.	.	13 20 11.90	+0.14	65.27	+0.08	.	- 8 27 32.4	+0.4	16 4.1	-0.5
18.0	M.	.	.	13 31 24.16	-0.03	65.38	-0.06	.	- 9 33 46.0	-0.5	16 3.3	-2.2
19.0	P.	.	.	13 35 9.64	+0.13	65.56	+0.03	.	- 9 55 33.6	-0.2	16 4.9	-0.9
20.0	M.	.	.	13 38 55.45	+0.01	65.60	-0.02	.	-10 17 11.7	+0.9	16 4.7	-1.3
21.0	P.	.	.	13 42 42.15	+0.15	65.75	+0.04	.	-10 38 43.0	-0.4	16 6.0	-0.3
22.0	M.	.	.	13 46 29.18	-0.03	65.80	-0.01	.	-11 0 3.7	-0.6	16 5.6	-1.0
23.0	L.	.	.	13 50 17.16	+0.09	65.95	+0.04	.	-11 21 13.0	+0.5	16 6.4	-0.4
25.0	M.	.	.	13 57 54.76	-0.05	66.12	+0.01	.	-12 3 3.8	-1.1	16 6.8	-0.6
26.0	P.	.	.	14 1 44.94	+0.21	66.20	-0.02	.	-12 23 39.7	+1.1	16 6.9	-0.8
27.0	L.	.	.	14 5 35.42	+0.06	66.32	0.00	.	-12 44 7.3	+0.1	16 7.1	-0.8
28.0	M.	.	.	14 9 26.78	+0.05	66.44	+0.01	.	-13 4 23.5	-1.5	16 7.7	-0.5
29.0	P.	.	.	14 13 18.99	+0.13	66.66	+0.12	.	-13 24 23.2	+1.2	16 8.2	-0.2
30.0	L.	.	.	14 17 11.87	+0.10	66.61	-0.04	.	-13 44 12.6	+1.5	16 8.1	-0.6
Nov. 1.0	M.	.	.	14 24 59.95	-0.02	66.80	-0.08	.	-14 23 14.0	0.0	16 7.0	-2.2
2.0	P.	.	.	14 28 55.46	+0.18	67.02	+0.03	.	-14 42 23.6	-0.2	16 8.2	-1.2
3.0	L.	.	.	14 32 51.55	+0.13	67.18	+0.07	.	-15 1 18.0	+0.6	16 9.4	-0.3
4.0	M.	.	.	14 36 48.42	+0.03	67.20	-0.03	.	-15 19 59.7	-0.5	16 9.1	-0.8
5.0	L.	.	.	14 40 46.25	+0.06	67.47	+0.12	.	-15 38 25.0	-0.1	16 10.1	0.0
10.0	L.	.	.	15 0 48.08	+0.06	67.96	+0.01	.	-17 6 33.4	+0.7	16 10.3	-1.0
11.0	M.	.	.	15 4 50.97	+0.01	68.03	-0.04	.	-17 23 21.3	-0.1	16 9.7	-1.8
12.0	L.	.	.	15 8 54.78	+0.02	68.10	-0.09	.	-17 39 50.7	-0.4	16 10.8	-0.9
13.0	M.	.	.	15 12 59.47	+0.05	68.27	-0.04	.	-17 56 0.4	+0.6	16 10.6	-1.4
16.0	M.	.	.	15 25 18.45	-0.02	68.62	-0.05	.	-18 42 39.3	-0.2	16 10.0	-2.6
20.0	L.	.	.	15 41 55.54	+0.12	69.16	+0.05	.	-19 40 7.3	+0.9	16 14.1	+0.7
22.0	M.	.	.	15 50 18.65	-0.06	69.34	+0.01	.	-20 6 46.0	-0.8	16 12.4	-1.4
26.0	P.	.	.	16 7 14.64	+0.10	69.82	+0.05	.	-20 55 29.1	+0.8	16 14.2	-0.4
27.0	L.	.	.	16 11 30.46	+0.10	69.98	+0.11	.	-21 6 41.9	+1.1	16 13.6	-1.1
29.0	M.	E.	.	16 20 4.13	-0.05	70.04	-0.02	.	-21 27 56.6	+1.0	16 13.7	-1.4

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1909				h m s	s	s	s		° ' "	"	"	"
Nov. 30.0	P.	E.	.	16 24 22.24	+0.10	70.18	+0.03	.	.. .. .	...	.. .. .	...
Dec. 1.0	L.		.	16 28 40.80	+0.01	70.34	+0.10	.	-21 47 33.4	+1.2	16 14.9	-0.5
2.0	M.		.	16 33 0.02	-0.09	70.30	-0.03	.	-21 56 45.7	+0.1	16 15.0	-0.5
3.0	P.		.	16 37 20.26	+0.19	70.43	+0.02	.	-22 5 30.8	+0.8	16 14.8	-0.9
4.0	L.		.	16 41 40.76	+0.10	70.46	-0.03	.	-22 13 51.3	+0.7	16 15.0	-0.8
9.0	L.		.	17 3 32.03	-0.03	70.95	+0.12	.	-22 48 59.9	+1.9	16 16.2	-0.2
10.0	M.		.	17 7 55.76	-0.07	70.94	+0.05	.	-22 54 43.9	-0.2	16 15.9	-0.6
11.0	L.		.	.. .. .	....	....	....	.	-22 59 56.8	+1.8	16 16.5	-0.1
14.0	M.		.	.. .. .	....	....	....	.	-23 12 57.7	+0.6	16 16.5	-0.4
15.0	L.		.	17 30 0.38	-0.01	71.14	+0.02	.	-23 16 21.6	+1.2	16 17.2	+0.2
16.0	M.		.	17 34 26.18	-0.02	71.08	-0.07	.	-23 19 19.1	+0.1	16 15.9	-1.2
17.0	L.		.	17 38 52.24	+0.03	71.21	+0.03	.	-23 21 46.6	+1.0	16 16.5	-0.7
18.0	M.		.	17 43 18.34	-0.06	71.21	+0.01	.	-23 23 47.4	+0.5	16 15.4	-1.9
21.0	P.		.	17 56 37.76	+0.10	71.32	+0.07	.	-23 26 57.7	+1.7	16 16.5	-1.0
22.0	L.		.	.. .. .	....	....	....	.	-23 27 6.0	+0.7	16 16.9	-0.7
23.0	M.		.	18 5 30.72	-0.04	71.22	-0.04	.	.. .. .	...	.. .. .	...
24.0	P.		.	18 9 57.26	0.00	71.34	+0.08	.	-23 25 56.8	-0.6	16 18.4	+0.7
28.0	P.		.	18 27 42.52	+0.15	71.24	+0.03	.	-23 17 55.4	+1.1	16 17.6	-0.2
29.0	L.		.	18 32 8.31	0.00	71.14	-0.04	.	-23 14 45.1	+1.3	16 17.1	-0.7
30.0	M.		.	18 36 33.91	-0.13	71.18	+0.04	.	-23 11 7.2	+1.1	16 16.0	-1.9
31.0	P.		.	18 40 59.51	-0.02	71.22	+0.12	.	-23 6 59.6	+2.7	16 19.1	+1.2
1910												
Jan. 4.0	P.		.	18 58 38.84	+0.29	70.94	+0.02	.	-22 46 1.4	+1.1	16 17.5	-0.3
7.0	P.		.	19 11 49.06	+0.20	70.76	+0.02	.	-22 25 31.0	+1.2	16 16.2	-1.6
8.0	L.		.	19 16 11.36	-0.03	70.66	-0.01	.	-22 17 47.1	+1.6	16 18.2	+0.5
10.0	M.		.	19 24 54.90	-0.01	70.52	-0.01	.	-22 1 3.4	-0.2	16 16.5	-1.2
11.0	P.		.	19 29 15.92	+0.09	70.46	+0.01	.	.. .. .	...	.. .. .	...
12.0	L.		.	19 33 36.22	+0.05	70.36	-0.01	.	-21 42 32.0	+2.0	16 16.2	-1.4
15.0	L.		.	19 46 33.35	-0.03	70.17	+0.07	.	-21 11 40.9	+0.6	16 16.7	-0.7
25.0	P.		.	20 28 57.03	+0.13	69.09	+0.01	.	-19 3 13.0	+0.7	16 15.6	-1.0
Feb. 1.0	M.		.	20 57 50.40	-0.04	68.26	-0.02	.	-17 12 15.7	-0.4	16 14.0	-1.6
2.0	P.		.	21 1 55.03	+0.16	68.22	+0.06	.	-16 55 7.6	+0.6	16 14.9	-0.6
4.0	P.		.	21 10 1.42	+0.12	67.98	+0.05	.	-16 19 59.7	+1.0	16 15.8	+0.6
5.0	L.		.	21 14 3.37	+0.05	67.92	+0.11	.	-16 2 0.9	+0.4	16 14.6	-0.4
8.0	P.		.	21 26 4.65	+0.05	67.54	+0.07	.	-15 6 23.6	+1.2	16 13.7	-0.8
18.0	P.		.	22 5 18.07	+0.11	66.44	+0.02	.	-11 45 32.5	+0.5	16 12.9	+0.3
19.0	L.		.	22 9 9.30	+0.13	66.35	+0.03	.	-11 24 19.7	+0.5	16 11.8	-0.6
25.0	P.		.	22 32 2.56	0.00	65.83	+0.08	.	-9 13 33.6	+1.1	16 11.7	+0.6
26.0	L.		.	22 35 49.34	+0.02	65.62	-0.05	.	-8 51 14.5	+1.5	16 8.3	-2.5
Mar. 4.0	P.		.	22 58 18.82	+0.09	65.24	+0.03	.	-6 34 49.6	+1.7	16 9.5	+0.1
5.0	L.		.	23 2 2.00	+0.03	65.20	+0.06	.	-6 11 44.7	+0.7	16 8.6	-0.5
7.0	M.		.	23 9 27.18	-0.01	65.10	+0.07	.	-5 25 17.9	+0.5	16 8.0	-0.8
8.0	P.		.	23 13 9.33	+0.13	65.00	+0.03	.	-5 1 56.9	+1.0	16 8.3	0.0
9.0	L.		.	.. .. .	....	....	....	.	-4 38 32.8	+0.6	16 6.9	-1.1
11.0	P.		.	.. .. .	....	....	....	.	-3 51 33.5	+0.4	16 5.2	-2.3
14.0	M.		.	23 35 13.85	-0.17	64.80	+0.11	.	-2 40 44.2	+0.4	16 6.4	-0.4
15.0	L.		.	23 38 53.76	0.00	64.70	+0.05	.	-2 17 3.2	+1.2	16 6.6	+0.1
16.0	M.		.	23 42 33.19	-0.04	64.52	-0.09	.	.. .. .	...	.. .. .	...
18.0	P.		.	23 49 51.51	+0.04	64.58	+0.03	.	-1 5 56.4	+1.8	16 5.8	+0.1
19.0	M.		.	23 53 30.28	-0.02	64.56	+0.03	.	-0 42 15.1	+0.5	16 4.1	-1.3
21.0	M.		.	0 0 47.46	+0.04	64.50	+0.01	.	+0 5 9.3	+0.5	16 3.5	-1.4
22.0	P.		.	0 4 25.85	+0.07	64.50	+0.02	.	+0 28 50.1	+0.6	16 3.8	-0.8
23.0	L.		.	0 8 4.08	+0.04	64.48	+0.01	.	+0 52 29.1	+0.3	16 4.7	+0.3
24.0	M.		.	0 11 42.14	-0.06	64.43	-0.03	.	+1 16 8.0	+1.4	16 3.1	-1.0
25.0	P.	E.	.	0 15 20.36	+0.05	64.40	-0.05	.	+1 39 43.3	+0.8	16 2.6	-1.2

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1916				h m s	"	s	"		° ' "	"	" "	"
Mar. 28.0	M.	E.	.	0 26 14.44	-0.02	64.41	-0.03	.	+ 2 50 15.8	+1.1	16 2.0	-1.0
29.0	P.	.	.	0 29 52.58	+0.03	64.46	+0.02	.	+ 3 13 39.4	+0.3	16 1.7	-1.0
30.0	M.	.	.	0 33 30.67	-0.01	64.40	-0.05	.	+ 3 37 0.1	+0.3	16 0.5	-1.9
Apr. 1.0	P.	.	.	0 40 47.21	+0.01	64.50	+0.03	.	+ 4 23 31.1	+2.1	16 1.1	-0.8
2.0	L.	.	.	0 44 25.59	-0.04	64.51	+0.03	.	+ 4 46 37.1	+0.1	16 0.7	-0.9
5.0	P.	.	.	0 55 21.85	+0.04	64.54	-0.02	.	+ 5 55 29.7	+0.5	15 59.6	-1.1
8.0	P.	.	.	1 6 19.71	0.00	64.70	+0.05	.	+ 7 3 27.7	+0.5	16 0.5	+0.6
9.0	L.	.	.	1 9 59.37	-0.09	64.70	+0.01	.	+ 7 25 52.7	-0.1	15 59.2	-0.4
11.0	M.	.	.	1 17 19.71	-0.02	64.74	-0.02	.	+ 8 10 20.4	-0.6	15 57.7	-1.4
13.0	L.	.	.	1 24 41.07	-0.02	64.87	+0.02	.	+ 8 54 16.6	+0.3	15 58.2	-0.3
14.0	M.	.	.	1 28 22.15	-0.06	64.83	-0.06	.	+ 9 16 0.9	+0.3	15 57.4	-0.9
15.0	P.	.	.	1 32 3.74	+0.09	64.93	-0.01	.	+ 9 37 36.7	+1.1	15 57.2	-0.8
16.0	L.	.	.	1 35 45.36	-0.06	65.05	+0.06	.	+ 9 59 1.8	+0.9	15 57.6	-0.2
18.0	M.	.	.	1 43 9.89	-0.12	65.10	-0.01	.	+10 41 21.2	-0.1	15 55.7	-1.5
22.0	P.	.	.	1 58 3.80	-0.04	65.38	+0.03	.	+12 3 51.7	+0.2	15 56.3	+0.1
23.0	L.	.	.	2 1 48.35	0.00	65.40	-0.02	.	+12 24 1.6	+1.5	15 53.1	-2.9
25.0	M.	.	.	2 9 18.68	-0.08	65.51	-0.05	.	+13 3 39.5	-0.7	15 53.7	-1.8
26.0	P.	.	.	2 13 4.55	-0.13	65.60	-0.03	.	+13 23 12.3	+1.2	15 54.7	-0.5
27.0	L.	.	.	2 16 51.05	-0.06	65.76	+0.06	.	+13 42 29.8	+0.8	15 54.9	-0.1
28.0	M.	.	.	2 20 37.99	-0.06	65.72	-0.05	.	+14 1 34.0	+0.6	15 53.5	-1.2
29.0	P.	.	.	2 24 25.58	+0.08	65.79	-0.05	.	.....	...	.....	...
30.0	L.	.	.	2 28 13.53	+0.04	65.96	+0.04	.	+14 39 0.7	0.0	15 54.6	+0.4
May 3.0	P.	.	.	2 39 40.82	+0.05	66.16	+0.01	.	+15 33 24.3	+1.2	15 53.2	-0.3
4.0	L.	.	.	.....	.....	.....	.....	.	+15 51 0.5	0.0	15 53.1	-0.1
5.0	M.	.	.	2 47 21.74	-0.05	66.24	-0.07	.	+16 8 22.4	+0.1	15 52.3	-0.7
6.0	P.	.	.	2 51 13.22	+0.06	66.31	-0.08	.	+16 25 28.7	+0.6	15 53.5	+0.7
7.0	L.	.	.	2 55 5.09	-0.02	66.49	+0.02	.	+16 42 18.2	+0.7	15 52.6	0.0
10.0	P.	.	.	3 6 44.40	-0.01	66.75	+0.04	.	+17 31 4.8	-0.2	15 51.9	0.0
13.0	P.	.	.	3 18 28.87	+0.03	67.03	+0.06	.	+18 17 15.7	+1.6	15 50.4	-0.9
14.0	L.	.	.	3 22 24.77	+0.01	67.04	-0.02	.	+18 32 0.9	+0.4	15 49.8	-1.3
16.0	M.	.	.	3 30 18.21	-0.06	67.16	-0.06	.	+19 0 36.2	-0.3	15 48.6	-2.1
17.0	P.	.	.	3 34 15.88	+0.03	67.36	+0.06	.	+19 14 26.4	+0.7	15 50.2	-0.3
18.0	L.	.	.	3 38 13.94	-0.04	67.45	+0.07	.	+19 27 56.2	+1.0	15 49.7	-0.6
19.0	M.	.	.	3 42 12.70	+0.05	67.40	-0.06	.	+19 41 4.8	-0.1	15 49.3	-0.8
21.0	L.	.	.	3 50 17.62	-0.01	67.59	-0.03	.	+20 6 22.8	-0.9	15 49.8	0.0
24.0	M.	.	.	4 2 14.01	-0.05	67.84	+0.01	.	+20 41 46.7	+0.1	15 47.7	-1.6
26.0	M.	.	.	4 10 18.23	-0.05	67.96	-0.01	.	+21 3 35.9	-0.2	15 48.2	-0.7
27.0	P.	.	.	4 14 21.21	+0.08	68.05	+0.01	.	+21 13 58.9	+0.6	15 47.8	-1.0
28.0	L.	.	.	4 18 24.52	+0.05	68.11	0.00	.	+21 23 59.0	+0.4	15 48.4	-0.2
31.0	P.	.	.	4 30 37.51	+0.12	68.34	+0.05	.	+21 51 47.0	+0.9	15 46.9	-1.2
June 2.0	M.	.	.	4 38 48.21	-0.02	68.32	-0.09	.	+22 8 25.0	+0.5	15 46.3	-1.5
4.0	L.	.	.	4 47 0.73	0.00	68.60	+0.08	.	+22 23 31.3	+0.6	15 48.6	+1.0
6.0	M.	.	.	4 55 14.70	-0.03	68.59	-0.02	.	+22 37 3.7	+0.8	15 47.0	-0.3
7.0	P.	.	.	4 59 22.31	+0.08	68.64	-0.02	.	+22 43 13.7	+0.2	15 45.9	-1.3
8.0	L.	.	.	5 3 29.94	-0.09	68.74	+0.04	.	+22 49 1.4	+1.2	15 47.7	+0.6
14.0	M.	.	.	5 28 21.55	-0.19	68.86	-0.02	.	+23 15 10.5	-0.3	15 45.3	-1.2
16.0	M.	.	.	5 36 40.18	-0.06	68.86	-0.05	.	+23 20 38.0	0.0	15 45.3	-1.1
18.0	L.	.	.	.....	.....	.....	.....	.	+23 24 26.9	+0.5	15 44.5	-1.7
20.0	M.	.	.	5 53 18.02	-0.14	68.96	+0.02	.	+23 26 35.2	-0.2	15 45.0	-1.1
21.0	L.	.	.	5 57 27.71	+0.01	68.96	+0.01	.	+23 27 3.1	+0.2	15 45.2	-0.9
22.0	P.	.	.	6 1 37.18	-0.05	68.96	+0.01	.	+23 27 4.8	-0.9	15 46.4	+0.4
23.0	M.	.	.	6 5 46.69	-0.02	68.94	0.00	.	+23 26 43.3	-0.3	15 45.7	-0.3
24.0	L.	.	.	6 9 56.18	+0.05	68.88	-0.05	.	+23 25 56.4	-0.3	15 44.9	-1.0
29.0	M.	.	.	6 30 41.68	0.00	68.74	-0.08	.	+23 15 51.3	-0.7	15 43.6	-2.1
30.0	L.	E.	.	6 34 50.36	+0.01	68.86	+0.07	.	+23 12 37.7	+0.2	15 45.6	-0.1

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1910				h m s	s	s	s		° ' "	"	' "	"
July 1.0	M.	E.	.	6 59 37.16	-.013	68.74	+0.18	.	+23 8 58.2	-0.4	15 44.5	-1.2
2.0	L.	.	.	7 7 50.44	+0.01	68.44	-0.02	.	+23 4 55.1	-0.3	15 45.3	-0.4
6.0	L.	.	.	7 11 56.42	0.00	68.38	-0.02	.	+22 44 40.4	-0.5	15 46.3	+0.6
8.0	L.	.	.					.	+22 32 11.2	+0.4	15 45.0	-0.7
9.0	M.	.	.					.	+22 25 20.8	+0.3	15 44.8	-0.9
11.0	L.	.	.	7 20 7.14	+0.01	68.28	0.00	.	+22 10 30.3	0.0	15 45.9	+0.1
12.0	M.	.	.	7 24 11.82	0.00	68.26	+0.04	.	+22 2 30.6	-0.2	15 44.8	-1.0
14.0	M.	.	.	7 32 19.70	-0.05	68.01	-0.08	.	+21 45 23.7	-0.2	15 44.0	-1.9
15.0	L.	.	.	7 36 23.02	+0.05	67.98	-0.04	.	+21 36 17.2	+0.3	15 43.9	-2.1
20.0	M.	.	.	7 56 31.12	-0.03	67.66	+0.01	.	+20 45 16.1	+0.9	15 45.0	-1.3
21.0	P.	.	.	8 0 31.16	+0.02	67.60	+0.03	.	+20 33 59.8	+0.5	15 45.5	-0.9
22.0	M.	.	.	8 4 30.49	-0.08	67.49	0.00	.	+20 22 22.0	-0.6	15 44.2	-2.3
25.0	P.	.	.	8 16 25.46	+0.04	67.24	0.00	.	+19 45 31.5	+0.9	15 45.0	-1.7
26.0	M.	.	.	8 20 22.51	-0.05	67.11	-0.05	.	+19 32 34.6	+1.1	15 45.3	-1.5
28.0	M.	.	.	8 28 15.06	-0.05	66.95	-0.04	.	+19 5 41.7	+0.5	15 45.3	-1.7
29.0	P.	.	.	8 32 10.52	0.00	66.95	+0.04	.	+18 51 48.2	+1.8	15 46.1	-1.0
Aug. 30.0	M.	.	.	8 36 5.19	-0.16	66.76	-0.06	.	+18 37 33.5	+0.7	15 46.2	-1.0
1.0	P.	.	.	8 43 53.33	+0.09	66.68	+0.04	.	+18 8 12.8	+1.9	15 46.4	-1.0
2.0	P.	.	.	8 47 46.35	+0.05	66.50	-0.05	.	+17 53 3.4	+0.4	15 46.6	-1.0
3.0	M.	.	.	8 51 38.69	-0.07	66.46	0.00	.	+17 37 38.2	+0.7	15 46.1	-1.6
4.0	P.	.	.	8 55 30.68	+0.06	66.42	+0.05	.	+17 21 55.1	+0.4	15 47.1	-0.7
5.0	M.	.	.	8 59 21.89	+0.02	66.27	-0.02	.	+17 5 55.0	+0.1	15 46.6	-1.4
6.0	L.	.	.	9 3 12.53	+0.01	66.28	+0.08	.	+16 49 39.6	+1.0	15 48.4	+0.3
9.0	L.	.	.	9 14 40.80	-0.07	66.06	+0.11	.	+15 59 14.2	+1.4	15 49.0	+0.5
10.0	P.	.	.					.	+15 41 54.0	+1.0	15 47.4	-1.3
11.0	L.	.	.	9 22 16.75	-0.02	65.80	+0.02	.	+15 24 18.8	+0.6	15 48.0	-0.9
12.0	P.	.	.	9 26 3.87	+0.03	65.73	+0.03	.	+15 6 29.0	+0.3	15 49.7	+0.7
13.0	L.	.	.	9 29 50.31	-0.01	65.55	-0.07	.	+14 48 24.7	0.0	15 47.7	-1.5
18.0	P.	.	.	9 48 34.51	+0.07	65.26	+0.02	.	+13 14 40.6	+0.8	15 48.3	-1.8
19.0	L.	.	.	9 52 17.65	-0.02	65.20	+0.03	.	+12 55 16.9	+0.9	15 49.8	-0.5
20.0	P.	.	.	9 56 0.44	+0.04	65.14	+0.04	.	+12 35 40.2	+0.2	15 51.1	+0.6
22.0	P.	.	.	10 3 24.49	+0.05	65.00	+0.04	.	+11 55 53.7	+1.3	15 50.5	-0.4
23.0	L.	.	.	10 7 5.81	+0.02	64.91	+0.01	.	+11 35 42.5	+1.0	15 51.1	0.0
25.0	L.	.	.	10 14 27.18	-0.03	64.77	0.00	.	+10 54 47.7	+1.1	15 52.0	+0.5
27.0	L.	.	.	10 21 47.02	-0.02	64.77	+0.12	.	+10 13 10.2	+0.1	15 51.9	0.0
Sept. 30.0	L.	.	.	10 32 44.06	-0.03	64.49	0.00	.	+ 9 9 31.7	-0.3	15 52.3	-0.2
6.0	P.	.	.					.	+ 6 36 8.2	+0.2	15 53.8	-0.3
7.0	M.	.	.	11 1 42.89	+0.01	64.14	-0.02	.	+ 6 13 45.2	+0.8	15 53.6	-0.8
8.0	P.	.	.	11 5 19.26	+0.13	64.19	+0.06	.	+ 5 51 15.1	+0.4	15 54.5	-0.1
9.0	M.	.	.					.	+ 5 28 39.8	+0.5	15 53.7	-1.2
10.0	P.	.	.	11 12 31.13	+0.07	64.13	+0.05	.	+ 5 5 59.3	+0.9	15 54.5	-0.6
12.0	P.	.	.	11 19 42.44	+0.10	64.12	+0.07	.	+ 4 20 22.5	+0.8	15 55.0	-0.6
13.0	M.	.	.	11 23 17.81	+0.02	63.98	-0.06	.	+ 3 57 27.2	+0.7	15 55.0	-0.9
14.0	P.	.	.	11 26 53.28	+0.13	64.00	-0.03	.	+ 3 34 27.9	+0.7	15 54.5	-1.7
15.0	M.	.	.	11 30 28.53	+0.10	63.97	-0.05	.	+ 3 11 24.4	+0.2	15 55.2	-1.2
16.0	P.	.	.	11 34 3.73	+0.08	64.03	+0.02	.	+ 2 48 17.7	-0.1	15 56.6	-0.1
17.0	L.	.	.	11 37 38.92	+0.09	64.00	-0.01	.	+ 2 25 8.3	0.0	15 56.0	-1.0
20.0	L.	.	.					.	+ 1 15 24.5	+0.9	15 57.7	-0.1
21.0	M.	.	.	11 51 59.76	+0.04	64.01	-0.02	.	+ 0 52 4.7	+0.1	15 56.8	-1.2
22.0	L.	.	.	11 55 35.10	0.00	64.12	+0.08	.	+ 0 28 44.8	+0.8	15 58.7	+0.4
23.0	M.	E.	.	11 59 10.62	+0.03	63.98	-0.07	.	+ 0 5 22.2	+0.2	15 56.6	-2.0
26.0	M.	.	.	12 9 57.87	-0.06	64.18	+0.05	.	- 1 4 48.3	+0.4	15 57.9	-1.4
27.0	P.	.	.	12 13 34.24	+0.15	64.15	-0.01	.	- 1 28 12.3	+0.3	15 57.3	-2.3
28.0	L.	.	.	12 17 10.52	+0.06	64.25	+0.06	.	- 1 51 35.2	+1.0	16 0.6	+0.7
29.0	M.	E.	.	12 20 47.05	-0.01	64.28	+0.06	.	- 2 14 56.9	+2.1	16 0.7	+0.6

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1910				h m s	s	s	s		° ' "	"	' "	"
Sept. 30.0	P.	E.	.	12 24 24.02	+0.11	64.30	+0.04	.	- 2 38 20.1	+0.6	16 0.1	-0.3
Oct. 1.0	L.	.	.	12 28 1.08	+0.05	64.34	+0.04	.	- 3 1 39.1	+1.8	16 1.2	+0.5
3.0	M.	.	.	12 35 16.13	-0.02	64.34	-0.04	.	- 3 48 14.2	+1.4	16 0.0	-1.2
5.0	L.	.	.	12 42 32.58	+0.03	64.47	-0.01	.	- 4 34 38.7	+1.0	16 1.0	-0.8
10.0	M.	.	.	13 0 50.08	+0.03	64.75	-0.04	.	- 6 29 33.8	+0.4	16 2.3	-0.9
11.0	P.	.	.	13 4 30.92	+0.10	64.90	+0.04	.	- 6 52 19.2	-0.5	16 4.2	+0.7
12.0	L.	.	.	13 8 12.07	+0.02	65.03	+0.10	.	- 7 14 56.0	+1.6	16 3.6	-0.2
13.0	M.	.	.	13 11 53.78	+0.02	65.08	+0.07	.	- 7 37 30.8	-0.4	16 4.8	+0.7
14.0	P.	.	.	13 15 36.01	+0.04	65.09	0.00	.	- 7 59 56.3	+0.6	16 3.4	-0.9
15.0	M.	.	.	13 19 18.69	-0.02	65.18	+0.01	.	- 8 22 16.6	+0.1	16 3.0	-1.6
17.0	M.	.	.	13 26 45.78	-0.04	65.31	-0.02	.	- 9 6 33.0	+1.2	16 4.0	-1.2
18.0	P.	.	.	13 30 30.35	+0.11	65.52	+0.10	.	- 9 28 30.8	+0.5	16 5.1	-0.3
21.0	P.	.	.	13 41 47.31	+0.09	65.69	0.00	.	-10 33 31.8	0.0	16 4.7	-1.5
22.0	L.	.	.	13 45 34.29	+0.09	65.82	+0.03	.	-10 54 53.5	+0.5	16 6.0	-0.5
24.0	M.	.	.	13 53 10.18	-0.04	65.94	-0.05	.	-11 37 8.3	+0.9	16 5.7	-1.3
26.0	L.	.	.	14 0 49.21	+0.08	66.29	+0.09	.	-12 18 42.0	+0.3	16 7.8	+0.3
28.0	P.	.	.	14 8 31.09	+0.08	66.52	+0.11	.	-12 59 29.7	+1.1	16 8.3	+0.3
31.0	M.	.	.	14 20 9.61	-0.01	66.71	-0.03	.	-13 59 12.0	-0.5	16 7.3	-1.5
Nov. 1.0	P.	.	.	14 24 4.18	+0.13	66.88	+0.03	.	-14 18 38.7	+0.4	16 7.6	-1.4
5.0	L.	.	.	14 39 49.87	+0.01	67.32	0.00	.	-15 34 6.5	+0.6	16 9.9	-0.1
7.0	M.	.	.	14 51 47.90	+0.11	67.71	+0.03	.	-16 10 19.5	+0.3	16 10.0	-0.5
8.0	P.	.	.	14 55 48.77	+0.02	67.88	+0.08	.	-16 28 1.0	+0.8	16 10.1	-0.7
9.0	L.	.	.	15 3 53.17	+0.01	68.06	+0.02	.	-16 45 25.5	+1.6	16 11.1	+0.1
11.0	P.	.	.	15 7 56.71	+0.09	68.22	+0.06	.	-17 19 25.8	0.0	16 11.5	0.0
12.0	L.	.	.	15 16 5.96	-0.07	68.39	-0.01	.	-17 35 58.4	0.0	16 12.9	+1.2
14.0	M.	.	.	15 28 26.47	+0.03	68.72	-0.03	.	-18 8 7.7	+0.6	16 11.1	-1.1
15.0	P.	.	.	15 32 35.01	+0.08	68.90	+0.03	.	-18 23 43.7	+1.1	16 10.9	-1.5
17.0	M.	.	.	15 36 44.29	+0.03	68.94	-0.04	.	-18 53 59.1	+0.1	16 11.1	-1.7
18.0	P.	.	.	15 45 5.41	-0.03	69.19	-0.01	.	-19 8 36.1	+0.2	16 12.9	-0.1
19.0	L.	.	.	15 53 30.00	+0.08	69.54	+0.12	.	-19 22 51.8	+1.1	16 12.1	-1.1
21.0	M.	.	.	16 6 12.59	-0.06	69.76	+0.03	.	-19 50 21.8	+1.1	16 12.6	-1.0
23.0	L.	.	.	16 31 58.14	0.00	70.30	0.00	.	-20 16 25.2	+1.6	16 13.8	-0.1
Dec. 2.0	P.	.	.	16 36 18.08	+0.01	70.44	+0.05	.	-20 52 43.7	+0.4	16 14.8	+0.3
3.0	L.	.	.	16 53 43.65	+0.11	70.68	0.00	.	-21 54 37.9	+1.0	16 14.9	-0.5
7.0	M.	.	.	16 58 6.24	+0.03	70.73	-0.02	.	-22 3 30.0	+1.2	16 15.4	-0.2
8.0	P.	.	.	17 2 29.40	+0.06	70.79	-0.03	.	-22 34 41.8	+0.2	16 15.8	-0.3
9.0	L.	.	.	17 6 53.01	+0.11	70.84	-0.04	.	-22 41 23.2	+0.7	16 14.6	-1.7
10.0	P.	.	.	17 15 41.23	+0.03	71.09	+0.10	.	-22 47 38.8	+0.1	16 14.7	-1.7
12.0	M.	.	.	17 28 56.13	-0.05	71.13	+0.01	.	-22 53 25.9	+1.0	16 15.8	-0.7
13.0	M.	.	.	17 33 21.74	+0.01	71.15	0.00	.	-23 3 40.5	+0.9	16 15.1	-1.7
16.0	P.	.	.	17 37 47.48	-0.05	71.19	+0.01	.	-23 8 6.2	+1.3	16 15.4	-1.5
17.0	L.	.	.	17 55 32.53	+0.05	71.25	0.00	.	-23 15 35.6	+1.3	16 16.1	-1.0
21.0	M.	.	.	17 59 59.01	-0.01	71.31	+0.05	.	-23 18 39.1	+0.7	16 16.8	-0.3
22.0	P.	.	.	18 22 11.83	+0.07	71.24	+0.01	.	-23 21 13.5	+1.3	16 18.7	+1.5
27.0	M.	.	.	18 31 4.10	-0.10	71.12	-0.06	.	-23 26 52.5	+1.5	16 16.8	-0.7
29.0	P.	.	.	18 39 55.93	+0.07	71.08	-0.02	.	-23 27 7.4	+0.9	16 18.0	+0.5
31.0	M.	.	.	18 57 35.58	-0.02	70.98	+0.05	.	-23 21 13.3	+2.5	16 17.8	+0.1
1911				19 1 59.49	-0.10	70.92	+0.05	.	-23 15 36.2	+0.8	16 15.8	-2.0
Jan. 4.0	L.	.	.	19 6 23.25	+0.12	70.85	+0.04	.	-23 8 2.8	+3.5	16 17.0	-0.8
5.0	M.	.	.	19 10 46.20	+0.01	70.78	+0.03	.	-22 47 30.9	+1.5	16 18.0	+0.2
6.0	P.	.	.	19 23 52.43	+0.15	70.54	0.00	.	-22 41 14.6	+0.9	16 16.6	-1.2
7.0	L.	.	.	19 49 48.25	-0.09	70.07	+0.04	.	-22 34 30.5	+1.1	16 17.0	-0.8
10.0	M.	.	.	19 58 21.85	+0.06	69.85	+0.01	.	-22 27 19.6	+1.3	16 16.7	-1.1
16.0	L.	.	.	20 2 37.45	-0.02	69.86	+0.12	.	-22 3 9.7	+0.6	16 18.5	+0.8
18.0	M.	E.	.	20 6 52.46	+0.03	69.64	0.00	.	-21 3 19.5	+0.6	16 16.1	-1.3
19.0	P.	.	.	20 19 32.90	+0.02	69.39	+0.07	.	-20 40 5.2	+2.0	16 17.0	-0.2
20.0	M.	.	.					.	-20 27 54.7	+0.6	16 16.3	-0.9
23.0	M.	.	.					.	-20 15 19.4	+0.9	16 15.9	-1.2
								.	-19 35 20.4	-0.9	16 15.7	-1.1

SUN.

[No correction for personal equation, see pages A CXLVI and A CXLIX, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1911				h m s	s	s	s		° ' "	"	' "	"
Jan. 24.0	P.	E.	.	20 23 44.87	+0.02	69.27	+0.06	.	-19 21 14.0	+1.1	16 16.4	-0.2
25.0	L.	.	.	20 27 56.13	+0.09	69.15	+0.05	.	-19 6 48.1	+1.2	16 16.9	+0.4
27.0	P.	.	.	20 36 16.05	-0.02	68.87	-0.01	.	-18 36 53.5	+1.3	16 14.9	-1.4
28.0	L.	.	.	20 40 24.85	-0.04	68.82	+0.05	.	-18 21 24.9	+1.9	16 17.0	+0.8
30.0	M.	.	.	20 48 40.03	-0.06	68.55	+0.01	.	-17 49 30.0	+1.5	16 14.8	-1.1
Feb. 3.0	P.	.	.	.....	.....	.....	.....	.	-16 41 53.8	+1.4	16 15.9	+0.6
4.0	L.	.	.	.....	.....	.....	.....	.	-16 24 15.6	+0.9	16 14.4	-0.8
7.0	P.	.	.	21 21 7.75	+0.12	67.67	+0.05	.	-15 29 40.0	+0.6	16 14.0	-0.7
10.0	P.	.	.	.....	.....	.....	.....	.	-14 32 42.3	+0.9	16 13.1	-1.1
11.0	M.	.	.	21 37 1.53	-0.02	67.15	-0.02	.	-14 13 13.9	+0.8	16 11.4	-2.6
13.0	L.	.	.	21 44 53.84	+0.08	66.94	-0.01	.	-13 33 34.4	+1.5	16 13.5	-0.2
17.0	P.	.	.	.....	.....	.....	.....	.	-12 11 41.2	+0.9	16 12.3	-0.6
21.0	P.	.	.	22 15 53.61	+0.05	66.17	+0.03	.	-10 46 40.6	+0.7	16 12.1	+0.1
23.0	M.	.	.	22 23 31.88	+0.04	66.02	+0.07	.	-10 3 8.6	0.0	16 9.7	-1.8
24.0	P.	.	.	22 27 20.03	-0.03	65.92	+0.06	.	-9 41 6.7	+1.4	16 10.4	-0.9
25.0	L.	.	.	22 31 7.62	-0.07	65.86	+0.09	.	-9 18 56.4	+2.4	16 11.9	+0.8
27.0	M.	.	.	22 38 41.19	-0.03	65.59	-0.02	.	-8 34 14.9	+0.5	16 9.2	-1.4
Mar. 1.0	L.	.	.	22 46 12.53	+0.01	65.55	+0.10	.	-7 48 58.9	+2.5	16 9.5	-0.6
3.0	P.	.	.	.....	.....	.....	.....	.	-7 3 19.4	+0.9	16 9.0	-0.6
9.0	M.	.	.	23 15 58.00	+0.01	64.99	+0.06	.	-4 44 7.5	+0.6	16 6.6	-1.6
10.0	P.	.	.	23 19 39.24	0.00	64.91	+0.03	.	-4 20 40.5	+1.0	16 7.5	-0.4
11.0	L.	.	.	23 23 20.08	-0.04	64.86	+0.03	.	-3 57 10.6	+1.2	16 9.2	+1.5
15.0	L.	.	.	23 38 0.55	+0.07	64.70	+0.04	.	-2 22 46.6	+2.1	16 6.5	-0.1
16.0	M.	.	.	.....	.....	.....	.....	.	-1 59 7.8	+0.7	16 5.0	-1.4
17.0	P.	.	.	23 45 19.11	+0.01	64.64	+0.05	.	-1 35 26.1	+1.1	16 5.6	-0.5
20.0	M.	.	.	23 56 15.53	-0.08	64.55	+0.03	.	-0 24 20.2	+0.4	16 3.9	-1.4
21.0	P.	.	.	23 59 54.20	+0.05	64.53	+0.03	.	-0 0 38.5	+0.2	16 5.2	+0.2
22.0	L.	.	.	0 3 32.65	+0.06	64.42	-0.06	.	+0 23 2.7	+0.1	16 3.0	-1.7
23.0	M.	.	.	.....	.....	.....	.....	.	+0 46 42.9	0.0	16 3.1	-1.3
24.0	P.	.	.	0 10 49.22	+0.01	64.49	+0.04	.	+1 10 22.6	+0.8	16 6.2	+2.1
25.0	L.	.	.	0 14 27.43	0.00	64.43	-0.01	.	+1 33 59.6	+0.7	16 2.3	-1.6
27.0	M.	.	.	0 21 43.82	0.00	64.45	+0.01	.	+2 21 7.1	+0.7	16 1.5	-1.8
28.0	P.	.	.	0 25 22.02	0.00	64.52	+0.08	.	+2 44 36.7	+0.6	16 3.5	+0.5
29.0	L.	.	.	0 29 0.29	+0.05	64.39	-0.05	.	+3 8 4.3	+1.7	15 59.3	-3.4
30.0	M.	.	.	0 32 38.50	-0.01	64.46	+0.01	.	+3 31 26.1	+0.6	16 1.2	-1.2
31.0	P.	.	.	.....	.....	.....	.....	.	+3 54 45.9	+1.5	16 2.1	-0.1
Apr. 1.0	L.	.	.	0 39 55.22	-0.02	64.49	+0.02	.	+4 17 59.3	+0.3	16 1.9	0.0
6.0	M.	E.	.	0 58 8.75	-0.06	64.59	+0.01	.	+6 12 52.4	-0.5	15 58.8	-1.8
10.0	M.	E.	.	1 12 46.64	-0.05	64.79	+0.08	.	+7 42 52.0	-0.3	15 58.1	-1.4

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correc- tion to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1903														
Sept. 5.5	Ei.-Y.	W.	I	h m s	s	s	s	s		° ' "	"	"	"	"
6.5	R.			22 16 15.44	+0.04	-0.04	.....	.....		- 7 37 44.8	+0.5	-1.3	14 50.9	-1.7
10.6	R.		II	23 4 19.49	+0.02	-0.04	61.92	-0.09	N.	.....	.....	.....	.....	.....
11.7	L.		II	2 24 2.57	-0.15	-0.21	.....	.....	N.	+11 28 0.1	+0.7	-0.9	.....	.....
12.7	R.		II	3 18 27.68	+0.01	-0.09	.....	.....	N.	+14 28 37.1	+0.3	-1.0	.....	.....
			II	4 15 22.54	+0.11	-0.03	.....	.....	N.	+16 43 34.7	-0.3	-1.2	.....	.....
13.7	L.		II	5 14 40.16	+0.28	+0.09	.....	.....	N.	+18 0 9.8	+0.1	-0.4	.....	.....
15.8	L.		II	7 17 56.76	+0.29	+0.03	.....	.....	S.	+17 2 9.4	+2.6	+3.1	.....	.....
24.1	L.		I	15 4 41.45	+0.18	+0.03	.....	.....		.....	.....	.....	.....	.....
25.2	R.		I	15 59 24.95	+0.15	+0.03	.....	.....	N.	-16 10 31.4	-1.9	-2.4	.....	.....
26.2	L.		I	16 53 31.58	+0.22	+0.11	.....	.....	N.	-17 39 24.3	-1.5	-2.1	.....	.....
28.3	L.		I	18 39 7.24	+0.18	+0.08	.....	.....	S.	-17 50 53.8	+2.0	+1.1	.....	.....
Oct. 30.3	L.		I	20 20 22.98	+0.30	+0.20	.....	.....	S.	-14 42 2.5	+0.5	-0.8	.....	.....
4.4	L.		I	23 34 39.14	+0.18	+0.12	.....	.....	S.	- 1 25 21.6	+3.1	+0.8	.....	.....
5.5	R.		I	0 23 51.32	+0.19	+0.13	.....	.....	S.	+ 2 36 43.9	+3.1	+0.8	.....	.....
6.5	Br.		II	1 14 21.43	0.00	-0.06	.....	.....		+ 6 36 7.8	+2.0	-0.2	15 21.3	-1.4
12.7	Br.		II	6 57 58.22	+0.23	+0.01	.....	.....	S.	+17 31 6.1	-0.5	-0.2	.....	.....
13.8	R.		II	7 58 42.43	+0.14	-0.11	.....	.....	S.	+15 39 9.6	+0.6	+1.5	.....	.....
14.8	L.		II	8 58 32.47	+0.23	-0.03	.....	.....	S.	+12 44 27.8	+0.2	+1.4	.....	.....
26.2	L.		I	19 9 19.94	+0.22	+0.12	.....	.....	S.	-17 18 0.2	+4.7	+3.9	.....	.....
27.2	Br.		I	20 0 8.15	+0.21	+0.11	.....	.....	S.	-15 38 31.3	+1.3	+0.2	.....	.....
28.3	R.		I	20 49 38.03	+0.16	+0.06	.....	.....	S.	-13 17 8.7	+0.5	-1.0	.....	.....
Nov. 29.3	L.		I	21 38 8.30	+0.12	+0.03	.....	.....	S.	-10 20 27.0	+1.4	-0.5	.....	.....
3.5	Ei.-Y.		I	1 44 51.21	+0.12	+0.02	.....	.....	S.	+ 8 51 2.3	+3.4	+0.9	.....	.....
6.6	Ei.-Y.		II	4 35 57.30	-0.02	-0.18	.....	.....		+17 21 37.8	+1.2	-1.2	16 0.6	-0.8
7.6	R.		II	5 37 16.02	+0.21	+0.02	.....	.....	S.	+18 16 47.8	+1.4	+0.8	.....	.....
8.6	L.		II	6 39 14.93	+0.19	-0.01	.....	.....		.....	.....	.....	.....	.....
9.7	Br.		II	7 40 44.60	+0.09	-0.12	.....	.....	S.	+16 26 50.5	0.0	+0.5	.....	.....
10.7	R.		II	8 40 51.82	+0.12	-0.10	.....	.....	S.	+13 50 7.6	+0.6	+1.4	.....	.....
11.8	L.		II	9 39 11.59	+0.20	-0.02	.....	.....	S.	+10 21 7.4	+2.2	+3.3	.....	.....
12.8	Br.		II	10 35 47.62	+0.08	-0.13	.....	.....	S.	+ 6 15 21.3	-0.8	+0.3	.....	.....
24.2	Br.		I	20 29 27.57	+0.05	-0.09	.....	.....	S.	-14 31 7.3	+1.3	+0.1	.....	.....
25.2	R.		I	21 18 19.29	+0.35	+0.21	.....	.....		.....	.....	.....	.....	.....
26.2	L.		I	22 6 9.15	+0.20	+0.06	.....	.....	S.	- 8 35 43.6	+3.0	+1.0	.....	.....
27.3	Br.		I	22 53 31.88	+0.18	+0.05	.....	.....	S.	- 4 59 15.2	+2.8	+0.4	.....	.....
28.3	R.		I	23 41 8.83	+0.23	+0.09	.....	.....	S.	- 1 6 22.9	+3.0	+0.3	.....	.....
30.4	L.		I	1 20 10.58	+0.18	+0.01	.....	.....	S.	+ 6 55 14.7	+4.5	+1.7	.....	.....
Dec. 1.4	Br.		I	2 13 7.20	+0.19	0.00	.....	.....	S.	+10 42 19.8	+3.5	+0.8	.....	.....
3.5	Ei.-Y.		I	4 8 23.83	+0.35	+0.10	.....	.....	S.	+16 34 53.4	+1.8	0.0	.....	.....
5.6	Br.		II	6 14 10.95	+0.21	-0.07	.....	.....	S.	+18 22 19.8	+0.1	-0.3	.....	.....
6.6	R.		II	7 18 6.18	+0.16	-0.11	.....	.....	S.	+17 19 3.4	-0.1	0.0	.....	.....
7.6	Ei.-Y.		II	8 20 45.53	+0.05	-0.20	.....	.....	S.	+15 1 55.9	-0.8	-0.2	.....	.....
9.7	Br.		II	10 19 15.17	+0.09	-0.11	.....	.....	S.	+ 7 45 13.7	-1.4	-0.5	.....	.....
10.7	R.			.....	.....	.....	.....	.....	S.	+ 3 22 0.3	-1.1	-0.4	.....	.....
11.8	Br.		II	12 9 28.15	+0.04	-0.12	.....	.....	S.	- 1 7 55.1	-1.7	-1.2	.....	.....
22.1	Br. 1		I	20 59 37.02	+0.16	-0.01	.....	.....		.....	.....	.....	.....	.....
23.2	R.		I	21 47 48.60	+0.21	+0.03	.....	.....	S.	-10 8 53.1	+1.6	-0.1	.....	.....
26.2	R.		I	0 9 6.10	+0.38	+0.18	.....	.....	S.	+ 0 55 49.6	+2.9	+0.1	.....	.....
28.3	M.		I	1 47 50.84	+0.20	-0.06	.....	.....	S.	+ 8 43 54.1	+4.1	+1.2	.....	.....
29.3	Br.		I	2 41 2.63	+0.40	+0.10	.....	.....	S.	+12 15 59.1	+3.8	+1.1	.....	.....
30.4	R.		I	3 37 39.45	+0.53	+0.18	.....	.....	S.	+15 14 40.1	+1.9	-0.4	.....	.....
31.4	Br.		I	4 37 51.75	+0.49	+0.10	.....	.....	S.	+17 22 46.9	+0.4	-1.2	.....	.....
1904														
Jan. 24.2	Br.		I	1 27 42.92	+0.32	+0.05	.....	.....	S.	+ 6 57 51.6	+4.0	+1.2	.....	.....
25.3	M.		I	2 18 8.84	+0.41	+0.08	.....	.....	S.	+10 33 26.8	+4.0	+1.3	.....	.....
27.3	Ei.-Y.	W.	I	4 7 54.05	+0.61	+0.18	.....	.....	S.	+16 15 8.4	+2.6	+0.7	.....	.....

MOON.

[No correction for personal equation nor for equinox, see page A cliv, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1904				h m s	s	s	s	s		° ' "	"	"	' "	"
Jan. 30.4	Ei.-Y.	W.	I	7 15 46.97	+0.54	+0.02	.....	.....	S.	+17 25 53.3	-0.7	-0.1	16 36.0	-1.0
Feb. 2.6	R.		II	10 27 6.00	+0.43	+0.02	.....	.....	S.	+ 7 34 31.2	-2.8	-1.2	.....	.....
3.6	Br.		II	11 26 51.97	+0.28	-0.07	.....	.....	S.	+ 2 53 18.5	-2.2	-0.9	.....	.....
8.8	Br.		II	16 4 22.83	-0.04	-0.14	.....	.....	S.	-16 2 43.1	-0.3	-0.9	.....	.....
10.9	Br.		II	17 51 24.82	+0.08	0.00	.....	.....	.	.. .. .	.. .. .	.. .. .	.....	.....
20.1	R.		I	1 11 49.97	+0.31	+0.04	.....	.....	S.	+12 28 46.9	+2.8	+0.4	.....	.....
22.2	Ei.		I	2 52 2.01	+0.60	+0.23	.....	.....	S.	+15 11 54.9	+1.4	-0.5	.....	.....
23.2	Ei.		I	3 45 42.55	+0.48	+0.05	.....	.....	S.	+17 9 7.9	+2.1	+0.8	.....	.....
24.3	Ei.		I	4 42 17.03	+0.47	-0.02	.....	.....	S.	+18 7 22.2	+0.9	+0.5	.....	.....
25.3	Ei.-R.		I	5 41 43.34	+0.61	+0.08	.....	.....	S.	.. .. .	.. .. .	.. .. .	.....	.....
27.3	Ei.-M.		I	7 46 42.49	+0.54	-0.02	.....	.....	N.	+16 27 35.4	-1.7	-0.5	.....	.....
Mar. 1.5	Ei.-M.		II	10 54 22.50	+0.36	-0.08	70.01	-0.03	.	+ 5 31 45.4	-2.4	-0.4	16 43.2	-0.2
3.6	M.		II	12 52 56.56	+0.16	-0.18	.....	.....	S.	- 8 26 32.5	-1.0	-0.6	.....	.....
4.6	R.		II	13 50 29.50	+0.14	-0.15	.....	.....	S.	-18 1 12.7	+2.5	+1.7	.....	.....
8.8	R.		II	17 33 1.30	+0.09	-0.04	.....	.....	S.	.. .. .	.. .. .	.. .. .	.....	.....
24.3	R.		I	6 20 12.90	+0.80	+0.21	.....	.....	N.	+18 6 45.2	-1.3	-0.9	.....	.....
25.3	Ei.-Y.		I	7 20 46.33	+0.54	-0.05	.....	.....	N.	+17 11 14.3	-2.4	-1.1	.....	.....
27.4	Br.		I	9 22 50.88	+0.57	+0.03	.....	.....	N.	+11 54 52.7	-2.8	-0.4	.....	.....
28.4	Ei.-Y.		I	10 23 12.00	+0.55	+0.06	.....	.....	N.	+ 7 52 34.1	-2.5	0.0	.....	.....
29.5	Ei.-Y.		I	11 22 47.36	+0.40	-0.04	.....	.....	N.	+ 3 16 22.6	-3.5	-1.3	.....	.....
Apr. 1.6	M.		II	14 18 17.72	+0.16	-0.14	.....	.....	S.	-13 46 24.5	+1.9	+2.0	.....	.....
2.6	M.		II	15 16 6.92	+0.12	-0.13	.....	.....	S.	-16 15 29.0	+0.3	0.0	.....	.....
3.6	R.		II	17 9 53.32	+0.14	-0.04	.....	.....	S.	-17 43 43.0	+3.0	+2.4	.....	.....
4.7	Br.		II	18 5 5.61	-0.04	-0.20	.....	.....	N.	-18 11 10.5	-0.5	-1.3	.....	.....
5.7	M.		II	20 40 51.79	+0.08	-0.06	.....	.....	N.	-14 14 19.0	-0.7	-2.2	.....	.....
8.8	M.		II	22 17 23.66	+0.19	+0.04	.....	.....	.	.. .. .	.. .. .	.. .. .	.....	.....
10.9	R.		II	6 2 10.14	+0.77	+0.17	.....	.....	N.	+17 42 6.8	-2.6	-1.6	.....	.....
20.2	M.		I	7 1 50.70	+0.79	+0.16	.....	.....	N.	+16 0 31.2	-2.3	-0.5	.....	.....
21.2	R.		I	8 1 43.21	+0.66	+0.02	.....	.....	N.	.. .. .	.. .. .	.. .. .	.....	.....
22.2	Br.		I	16 43 3.37	+0.03	-0.17	.....	.....	N.	-17 15 20.8	+0.9	+0.7	15 37.0	-1.3
May 2.6	Br.		II	17 39 59.41	+0.09	-0.08	.....	.....	N.	-18 13 20.6	+1.0	+0.5	.....	.....
3.7	M.		II	18 35 30.71	+0.03	-0.12	.....	.....	N.	-18 9 23.4	-0.3	-1.0	.....	.....
4.7	Ei.-Y.		II	19 29 11.33	+0.10	-0.04	.....	.....	N.	-17 8 45.9	+0.3	-0.6	.....	.....
5.7	Br.		II	20 20 51.30	+0.03	-0.11	.....	.....	N.	-15 19 6.1	+2.1	+0.9	.....	.....
7.8	R.		II	21 58 55.16	+0.01	-0.13	.....	.....	.	.. .. .	.. .. .	.. .. .	.....	.....
23.3	M.		I	11 35 41.77	+0.50	-0.06	.....	.....	N.	- 2 9 8.2	-3.2	-0.6	.....	.....
24.3	Ei.-Y.		I	12 31 20.58	+0.50	-0.01	.....	.....	N.	- 6 37 2.4	-1.9	+0.1	.....	.....
25.4	Br.		I	13 27 1.43	+0.44	-0.02	.....	.....	N.	-10 39 40.4	-1.6	-0.2	.....	.....
26.4	Ei.		I	14 23 10.42	+0.42	+0.01	.....	.....	N.	.. .. .	.. .. .	.. .. .	.....	.....
27.5	Ei.-Y.		I	15 19 58.05	+0.35	0.00	.....	.....	N.	-14 1 58.9	-1.4	-0.7	.....	.....
28.5	Ei.-Y.		.	16 17 14.25	+0.24	-0.05	67.95	-0.05	N.	-16 31 42.0	-0.6	-0.3	.....	.....
30.6	Br.		II	18 11 0.15	+0.09	-0.10	.....	.....	N.	-18 26 51.0	+0.6	+0.2	.....	.....
June 3.7	Br.		II	21 39 38.56	+0.01	-0.11	.....	.....	N.	-11 17 29.8	+0.9	-0.4	.....	.....
6.8	R.		II	0 1 3.18	+0.18	+0.06	.....	.....	.	.. .. .	.. .. .	.. .. .	.....	.....
8.9	R.		II	1 37 11.03	+0.15	-0.02	.....	.....	.	.. .. .	.. .. .	.. .. .	.....	.....
20.3	R.		I	12 15 1.71	+0.52	0.00	.....	.....	N.	- 9 13 45.0	-0.8	+0.9	.....	.....
22.3	Ei.-Y.		I	14 4 54.13	+0.38	-0.09	.....	.....	N.	-12 49 15.2	-0.9	+0.2	.....	.....
23.4	Ei.-Y.		I	15 0 15.50	+0.44	0.00	.....	.....	N.	-15 38 27.0	-0.7	-0.1	.....	.....
24.4	M.		I	15 56 11.25	+0.32	-0.07	.....	.....	N.	.. .. .	.. .. .	.. .. .	.....	.....
26.5	R.		I	17 48 41.96	+0.34	+0.05	.....	.....	N.	-18 25 34.6	0.0	-0.2	.....	.....
July 2.7	R.		II	22 56 11.49	+0.07	-0.02	.....	.....	N.	- 6 2 1.3	+2.3	+0.9	.....	.....
3.7	R.		.	.. .. .	.....	.....	.....	.....	N.	- 2 16 32.9	+1.1	-0.5	.....	.....
5.8	M.		.	.. .. .	.....	.....	.....	.....	N.	+ 5 27 27.9	+1.2	-0.9	.....	.....
7.8	Br.	W.	II	2 57 13.51	+0.14	-0.07	.....	.....	.	.. .. .	.. .. .	.. .. .	.....	.....

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correc- tion to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1904				h m s	s	s	s	s		° ' "	"	"	"	"
July 20.3	T.	W.	I	14 43 51.72	+0.52	+0.12	.....	.....	N.	-11 37 12.1	+0.2	+1.0	.....	.....
22.4	Br.		I	16 34 38.86	+0.25	-0.10	.....	.....	N.	-16 54 9.4	-0.3	-0.3	.....	.....
24.4	T.		I	18 25 6.25	+0.29	0.00	.....	.....	.	-17 41 28.8	+2.3	+1.6	14 59.5	-2.6
25.5	Ei.-Y.		I	19 19 4.90	+0.33	+0.08	.....	.....	N.	-16 6 34.4	+1.2	+0.3	.....	.....
26.5	T.		.	20 11 35.83	+0.21	0.00	64.31	-0.10	N.	-13 46 56.1	+0.6	-0.3	.....	.....
27.5	Ei.-Y.		II	21 2 24.74	+0.08	-0.09	.....	.....	N.	-7 29 36.5	+0.6	-0.5	.....	.....
29.6	Ei.-Y.		II	22 39 14.91	+0.01	-0.09	.....	.....	N.	-0 1 8.5	+1.3	-0.1	.....	.....
31.6	M.		II	0 12 17.72	0.00	-0.07	.....	.....	N.	+7 32 21.1	+0.1	-1.6	.....	.....
Aug. 2.7	T.	W.	II	1 46 30.80	-0.06	-0.16	.....	.....	N.	+10 59 54.4	+1.1	-0.6	.....	.....
3.7	M.		II	2 35 53.39	-0.04	-0.18	.....	.....	N.	-17 15 36.0	-3.2	-3.8	.....	.....
Sept. 15.2	T.	E.	I	16 53 51.69	+0.20	-0.01	.....	.....	N.	-18 11 43.0	+0.1	-0.7	.....	.....
16.3	M.		I	17 50 1.64	+0.17	-0.01	.....	.....	N.	-18 7[32.9]	[-3.7]	[-4.7]	.....	.....
17.3	T.		I	18 44 50.97	+0.12	-0.04	.....	.....	S.	-9 46 41.3	+3.1	+1.7	.....	.....
21.4	M.		I	22 7 40.40	+0.12	0.00	.....	.....	S.	-6 19 43.8	+5.2	+3.6	.....	.....
22.5	T.		I	22 54 56.60	+0.09	-0.01	.....	.....	S.	-2 36 56.2	+2.6	+1.0	14 42.6	-2.2
23.5	M.		I	23 41 35.14	+0.04	-0.05	.....	.....	N.	+5 1 46.0	-0.2	-1.8	.....	.....
25.5	M.		II	1 15 4.27	-0.04	-0.12	.....	.....	N.	+18 3 8.2	-3.5	-3.7	.....	.....
26.6	T.		II	2 2 59.94	-0.14	-0.23	.....	.....	N.	+18 16 28.0	-1.4	-1.0	.....	.....
30.7	T.		II	5 32 53.60	+0.18	-0.07	.....	.....	S.	+17 22 51.5	-0.6	+0.4	.....	.....
Oct. 1.7	M.		II	6 30 33.94	+0.33	+0.04	.....	.....	S.	+15 20 31.2	-0.4	+1.2	.....	.....
2.8	M.		II	7 29 43.47	+0.17	-0.16	.....	.....	S.	-18 21 21.0	+2.0	+1.2	.....	.....
3.8	Br.		II	8 29 45.18	+0.25	-0.10	.....	.....	S.	-17 41 2.3	+4.5	+3.6	.....	.....
4.9	M.		II	9 30 3.12	+0.18	-0.19	.....	.....	S.	-16 7 45.2	+1.5	+0.5	.....	.....
14.2	Br.		I	18 23 47.57	+0.25	+0.09	.....	.....	S.	-13 50 5.7	+2.8	+1.6	.....	.....
15.2	Y.		I	19 18 46.53	+0.22	+0.09	.....	.....	S.	-10 56 58.1	+2.7	+1.4	.....	.....
16.3	Br.		I	20 11 35.73	+0.13	+0.02	.....	.....	S.	-7 36 44.5	+4.3	+2.8	.....	.....
17.3	Ei.-Y.		I	21 2 18.99	+0.11	+0.01	.....	.....	S.	-0 7 34.7	+3.7	+1.9	.....	.....
18.3	Ei.-Y.		I	21 51 13.75	+0.14	+0.06	.....	.....	S.	+3 44 51.4	+4.7	+2.8	.....	.....
19.4	Ei.-M.		I	22 38 47.02	+0.16	+0.08	.....	.....	S.	+7 30 28.2	+2.8	+0.9	.....	.....
21.4	Br.		I	0 12 2.53	+0.09	+0.02	.....	.....	S.	+10 59 16.0	+1.7	-0.1	15 0.7	-1.9
22.5	Ei.-M.		I	0 58 56.30	+0.07	-0.01	.....	.....	S.	+16 22 28.1	+0.7	-0.5	15 16.5	-0.7
23.5	Br.		.	1 46 47.25	+0.10	+0.01	62.29	-0.02	S.	+17 54 49.4	+0.7	+0.1	.....	.....
24.5	Ei.-Y.		II	2 36 5.77	-0.13	-0.25	.....	.....	S.	+18 28 25.3	+3.5	+3.6	.....	.....
26.6	Y.		II	4 20 29.60	+0.10	-0.09	.....	.....	S.	+17 57 15.4	+0.2	+0.9	.....	.....
27.6	Br.		II	5 15 43.49	+0.19	-0.04	.....	.....	S.	+16 19 56.4	+0.1	+1.4	.....	.....
28.7	Y.		II	6 12 37.81	+0.28	+0.01	.....	.....	S.	+13 39 45.0	-1.2	+0.5	.....	.....
29.7	Br.		II	7 10 39.18	+0.27	-0.02	.....	.....	S.	+10 4 52.2	-1.2	+0.8	.....	.....
30.7	M.		II	8 9 9.46	+0.05	-0.25	.....	.....	S.	-12 19 46.9	+1.9	+0.8	.....	.....
31.8	Br.		II	9 7 37.52	+0.20	-0.12	.....	.....	S.	-9 7 0.5	+1.9	+0.6	.....	.....
Nov. 1.8	M.		II	10 5 46.06	+0.13	-0.19	.....	.....	S.	-5 32 36.3	+4.1	+2.6	.....	.....
14.3	M.		I	21 32 42.40	+0.16	+0.07	.....	.....	S.	-1 44 32.8	+4.7	+3.0	.....	.....
15.3	Br.		I	22 21 2.41	+0.01	-0.07	.....	.....	S.	+2 9 23.6	+3.1	+1.2	.....	.....
16.3	M.		I	23 8 4.65	+0.06	-0.01	.....	.....	S.	+6 1 0.4	+3.6	+1.6	.....	.....
17.3	Y.		I	23 54 30.50	+0.16	+0.09	.....	.....	S.	+9 40 50.7	+2.6	+0.6	.....	.....
18.4	Br.		I	0 41 3.00	+0.14	+0.07	.....	.....	S.	+12 58 7.6	+2.0	+0.1	.....	.....
19.4	Y.		I	1 28 24.86	+0.21	+0.12	.....	.....	S.	+18 33 53.6	+0.4	-0.1	.....	.....
20.4	Br.		I	2 17 14.88	+0.14	+0.02	.....	.....	S.	+11 30 48.8	-3.6	-2.0	.....	.....
21.5	M.		I	3 8 5.21	+0.26	+0.10	.....	.....	S.	+3 0 13.4	-2.2	-0.6	.....	.....
24.6	Br.		II	5 54 10.03	+0.29	+0.01	.....	.....	S.	-10 46 30.3	+2.9	+1.9	.....	.....
28.7	Br.		II	9 48 7.78	+0.23	-0.06	.....	.....	S.	-7 18 26.3	+3.7	+2.5	.....	.....
30.8	Br.		II	11 41 0.05	+0.21	-0.06	.....	.....	S.	-3 34 4.2	+4.6	+3.1	.....	.....
Dec. 12.2	M.		I	22 1 18.80	+0.20	+0.06	.....	.....	S.	.....	.....	.....	.....	.....
13.2	Br.		I	22 49 13.19	+0.12	0.00	.....	.....	S.	.....	.....	.....	.....	.....
14.3	M.		I	23 35 54.59	+0.04	-0.07	.....	.....	S.	.....	.....	.....	.....	.....
16.3	Ei.-M.	E.	I	1 8 44.22	+0.19	+0.07	.....	.....	S.	.....	.....	.....	.....	.....

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.		Correction to—		Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correc- tion to Am. Eph.	
				h	m	s	Am. Eph.					Ross's Tables.	Am. Eph.			Ross's Tables.
1904																
Dec. 18.4	Br.	E.	I	2	46	2.95	+0.37	+0.18	.....	S.	+11 28 25.8	+3.9	+1.8	.....	...
19.4	Ei.-M.		I	3	38	5.11	+0.42	+0.19	.....	S.	+14 30 26.0	+4.3	+2.4	.....	...
20.4	Br.		I	4	32	52.61	+0.32	+0.04	.....	S.	+16 51 51.5	+1.1	-0.4	.....	...
21.5	Ei.-M.		I	5	30	19.53	+0.44	+0.12	.....	S.	+18 19 37.3	+1.5	+0.6	.....	...
22.5	Br.		II	6	29	49.36	+0.36	+0.02	.....	S.	+18 42 21.1	+0.9	+0.7	.....	...
28.7	Br.		II	12	20	32.71	+0.12	-0.12	.....	S.	- 0 2 18.9	-1.1	0.0	.....	...
29.8	M.		II	13	15	56.24	+0.12	-0.10	.....	S.	- 4 39 57.6	-2.3	-1.5	.....	...
30.8	Br.		II	14	11	39.91	+0.20	-0.01	.....	S.	- 8 59 35.2	-2.0	-1.5	.....	...
1905																
Jan. 14.3	Ei.-M.		I	2	24	8.40	+0.46	+0.22	.....	S.	+ 9 45 42.0	+5.0	+2.8	.....	...
15.3	Br.		I	3	14	8.72	+0.47	+0.18	.....	S.	+13 0 0.4	+3.4	+1.3	.....	...
16.3	Ei.-Y.		I	4	6	47.98	+0.59	+0.25	.....	S.	+15 41 38.0	+2.9	+1.1	.....	...
18.4	Ei.-M.		I	6	0	52.68	+0.68	+0.24	.....	S.	+18 36 8.1	+2.7	+2.2	.....	...
19.5	Ei.-Y.		I	7	1	31.45	+0.56	+0.11	.....	S.	+18 25 9.2	+0.4	+0.7	16 1.6	-1.2
20.5	Br.		.	8	3	16.33	+0.45	+0.01	70.76	-0.05	S.	+16 59 48.5	-0.5	+0.5
21.5	Br.		II	9	4	55.07	+0.38	-0.04	.....	S.	+14 22 54.1	-1.3	+0.1	.....	...
22.6	Y.		II	10	5	31.18	+0.34	-0.03	.....	S.	+10 45 39.9	-1.8	-0.1	.....	...
Feb. 7.1	Br.		I	23	45	30.38	+0.14	-0.04	.....	.	.....	.....	.....	.....	...
10.2	Br.		I	2	4	50.19	+0.34	+0.08	.....	S.	+ 8 12 15.9	+2.5	+0.5	.....	...
11.2	M.		I	2	53	7.70	+0.49	+0.17	.....	S.	+11 33 38.2	+2.4	+0.4	.....	...
13.3	Y.		I	4	36	21.94	+0.57	+0.11	.....	S.	+16 43 14.0	+2.1	+0.7	.....	...
14.3	Br.		I	5	32	4.75	+0.56	+0.04	.....	S.	+18 9 34.6	+0.9	+0.2	.....	...
15.4	M.		I	6	30	28.38	+0.57	+0.01	.....	.	+18 35 0.8	-1.0	-0.8	15 49.5	-0.8
16.4	Y.		I	7	30	58.08	+0.62	+0.04	.....	S.	+17 50 32.6	+1.8	+2.9	.....	...
17.4	Ei.-Y.		I	8	32	38.17	+0.60	+0.03	.....	.	+15 52 15.5	-2.3	-0.5	16 19.7	-0.7
18.5	Ei.-M.		I	9	34	28.23	+0.56	+0.03	.....	.	+12 44 31.2	-2.7	-0.4	16 31.0	-0.5
20.5	Br.		II	11	35	54.37	+0.32	+0.11	.....	S.	+ 3 57 59.1	-1.3	+0.9	.....	...
23.6	Br.		II	14	31	49.54	+0.07	-0.19	.....	S.	-10 7 21.4	-1.3	-1.0	.....	...
24.6	M.		II	15	29	49.61	0.00	-0.21	.....	S.	-13 43 11.9	+2.5	+2.2	.....	...
Mar. 1.9	Y.		II	20	11	18.20	+0.08	-0.01	.....	.	.....	.....	.....	.....	...
11.2	M.		I	3	24	38.34	+0.42	+0.05	.....	.....	.....	.....	.....	.....	...
13.2	Y.		I	5	8	51.23	+0.59	+0.07	.....	S.	+17 40 59.0	+1.6	+0.7	.....	...
14.3	Br.		I	6	4	27.55	+0.60	+0.01	.....	.....	+18 32 21.3	+0.9	+0.9	15 30.3	+0.1
15.3	M.		I	7	2	12.01	+0.64	+0.01	.....	N.	+18 21 8.6	-1.0	0.0	.....	...
16.4	Ei.-Y.		I	8	1	34.49	+0.62	-0.03	.....	N.	+17 1 22.6	-2.5	-0.5	.....	...
17.4	Y.		I	9	1	55.51	+0.72	+0.08	.....	N.	+14 32 2.3	-2.8	-0.2	.....	...
18.4	M.		I	10	2	37.19	+0.69	+0.07	.....	N.	+10 58 47.5	-4.2	-1.2	.....	...
19.5	Br.		I	11	3	14.17	+0.57	+0.01	.....	N.	+ 6 34 46.6	-3.1	0.0	.....	...
25.7	Br.		II	17	4	16.78	+0.08	-0.13	.....	S.	-17 36 19.4	+3.9	+3.2	.....	...
27.8	Br.		II	18	59	49.66	0.00	-0.12	.....	N.	-18 25 20.0	-0.7	-1.7	.....	...
28.8	M.		II	19	54	41.73	-0.05	-0.15	.....	.	.....	.....	.....	.....	...
30.9	Br.		II	21	37	48.88	+0.03	-0.05	.....	.	.....	.....	.....	.....	...
Apr. 8.1	M.		I	3	58	44.17	+0.54	+0.14	.....	I	.....	.....	.....	.....	...
13.3	Y.		I	8	35	48.12	+0.75	+0.09	.....	N.	+15 52 44.5	-2.8	-0.3	.....	...
16.4	Br.		I	11	32	0.36	+0.57	-0.01	.....	N.	+ 4 20 11.1	-3.0	+0.2	.....	...
17.5	Ei.-Y.		I	12	31	25.29	+0.53	-0.01	.....	N.	- 0 39 50.5	-3.3	-0.3	.....	...
18.5	Br.		I	13	31	31.94	+0.43	-0.07	.....	N.	- 5 40 10.6	-1.5	+0.9	.....	...
19.5	Ei.-M.		II	14	32	29.68	+0.25	-0.20	.....	.	-10 16 37.6	-0.7	+0.9	16 38.6	-0.6
20.6	Ei.-Y.		II	15	34	11.28	+0.29	-0.11	.....	.	-14 6 43.4	-0.3	+0.4	16 27.9	-1.7
23.7	Y.		II	18	37	6.66	+0.15	-0.08	.....	N.	-18 47 9.4	+0.3	-0.5	.....	...
24.7	Br.		II	19	34	30.01	+0.11	-0.08	.....	N.	-17 59 36.5	+0.5	-0.5	.....	...
27.8	Br.		II	22	10	41.99	-0.06	-0.18	.....	.	.....	.....	.....	.....	...
May 8.1	Y.		I	6	23	25.26	+0.82	+0.23	.....	.	.....	.....	.....	.....	...
12.3	Br.		I	10	10	35.55	+0.61	-0.01	.....	N.	+10 46 3.4	-3.6	-0.3	.....	...
16.4	Br.	E.	I	14	1	33.29	+0.47	-0.02	.....	.	.....	.....	.....	.....	...

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Camp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1905				h m s	s	s	s	s		° ' "	"	"	"	"
May 18.5	Br.	E.	II	16 4 4.73	+0.33	-0.08	.....	.....	N.	-17 57 5.8	+0.1	+0.2	.....	.....
19.6	Ei.-Y.		II	17 6 34.11	+0.22	-0.14	.....	.....	N.	-18 57 10.2	-0.2	-0.6	.....	.....
20.6	M.		II	18 8 30.82	+0.21	-0.10	.....	.....	N.	-18 41 55.6	+0.9	+0.2	.....	.....
21.6	Br.		II	19 8 42.24	+0.24	-0.02	.....	.....	N.	-15 3 35.7	+2.3	+1.4	.....	.....
23.7	M.		II	21 0 41.86	0.00	-0.19	.....	.....	N.	.....	.....	.....	.....	.....
June 24.7	Hi.		II	21 52 13.86	-0.04	-0.20	.....	.....	N.	+ 8 10 57.7	-4.1	-0.8	.....	.....
9.2	Br.		I	10 49 33.98	+0.54	-0.08	.....	.....	N.	-10 22 17.0	-2.2	-0.3	.....	.....
13.4	Br.		I	14 35 46.48	+0.44	-0.05	.....	.....	N.	-14 10 23.0	-1.5	-0.3	.....	.....
14.4	Ei.-Y.		I	15 35 31.71	+0.47	+0.02	.....	.....	N.	-17 1 9.6	-2.6	-2.0	.....	.....
15.5	M.		I	16 36 44.26	+0.32	-0.09	.....	.....	N.	.....	.....	.....	.....	.....
Aug. 16.5	Br.	E. W.	II	17 38 37.49	+0.40	+0.04	70.91	+0.04	N.	-18 41 17.4	-1.2	-1.2	.....	.....
18.6	Ei.-Y.		II	19 39 33.58	+0.18	-0.09	.....	.....	N.	-18 15 50.1	+0.5	-0.1	.....	.....
19.6	Hi.		II	20 36 27.59	+0.04	-0.19	.....	.....	N.	-16 23 16.3	+1.0	+0.3	.....	.....
15.5	Hi.		II	22 29 37.28	+0.03	-0.21	.....	.....	N.	- 9 58 45.8	-1.4	-2.5	.....	.....
17.6	Br.		II	0 6 5.37	+0.15	-0.04	.....	.....	N.	- 2 15 7.8	+2.1	+1.0	.....	.....
Sept. 18.6	Hi.		II	0 52 39.97	+0.03	-0.16	.....	.....	N.	+1 45 18.7	+0.5	-0.7	.....	.....
21.7	Br.		II	3 13 56.44	+0.09	-0.17	.....	.....	N.	+12 36 17.8	+1.8	+0.4	.....	.....
22.7	Hi.		II	4 3 43.57	+0.10	-0.21	.....	.....	N.	.....	.....	.....	.....	.....
5.2	Hi.		I	17 35 4.90	+0.21	-0.23	.....	.....	N.	-16 46 41.2	-1.4	-1.2	.....	.....
6.3	Hi.		I	.....	.....	.....	.....	.....	N.	-18 29 37.0	+0.3	-0.1	.....	.....
7.3	Bs.		I	18 33 52.02	+0.33	-0.09	.....	.....	S.	.....	.....	.....	.....	.....
8.3	Hi.		I	19 31 21.73	+0.28	-0.11	.....	.....	S.	-18 27 12.0	+4.2	+3.0	.....	.....
9.4	Bs.		I	20 26 59.26	+0.38	+0.02	.....	.....	S.	-16 50 34.8	+1.2	-0.2	.....	.....
12.5	Bs.		I	23 0 55.89	+0.28	+0.02	.....	.....	S.	.....	.....	.....	.....	.....
13.5	Bs.		I	.....	.....	.....	.....	.....	S.	- 3 42 39.7	+2.9	+1.4	14 50.5	-1.5
Oct. 15.6	Bs.		II	1 21 51.98	+0.27	+0.05	.....	.....	N.	+ 4 16 19.9	+0.2	-1.4	.....	.....
18.7	Bs.		II	3 44 33.59	+0.28	-0.02	.....	.....	N.	+14 27 13.1	+0.7	-0.7	.....	.....
21.8	Hi.		II	6 21 47.01	+0.30	-0.14	.....	.....	S.	.....	.....	.....	.....	.....
22.8	Bs.		I	.....	.....	.....	.....	.....	S.	+18 44 43.3	+2.0	+3.0	.....	.....
23.8	Hi.		I	.....	.....	.....	.....	.....	S.	+17 18 19.9	+0.3	+2.0	.....	.....
24.9	Bs.		II	9 14 2.75	+0.42	-0.05	.....	.....	S.	.....	.....	.....	.....	.....
25.9	Hi.		II	10 12 56.10	+0.36	-0.09	.....	.....	S.	.....	.....	.....	.....	.....
4.2	Bs.		I	18 14 53.86	+0.31	-0.05	.....	.....	S.	-19 6 45.4	+3.5	+2.7	.....	.....
5.3	Hi.		I	19 13 43.10	+0.28	-0.06	.....	.....	S.	-18 52 13.4	+4.8	+3.7	.....	.....
6.3	Br.		I	20 10 16.81	+0.25	-0.07	.....	.....	S.	-17 32 36.0	+2.1	+0.7	.....	.....
7.3	Bs.		I	21 4 18.27	+0.27	-0.03	.....	.....	S.	-15 18 16.5	+2.8	+1.3	.....	.....
8.4	Bs.		I	21 55 51.48	+0.26	-0.02	.....	.....	S.	-12 20 57.6	+2.9	+1.3	.....	.....
9.4	Hi.		I	22 45 16.68	+0.28	+0.02	.....	.....	S.	- 8 52 7.2	+4.4	+2.8	.....	.....
12.5	Bs.		I	1 6 5.58	+0.28	+0.05	60.90	-0.07	S.	+ 2 58 40.3	+4.3	+2.5	.....	.....
13.5	Bs.		II	1 52 31.16	+0.24	0.00	.....	.....	S.	+ 6 51 51.0	+3.5	+1.6	14 41.9	-1.7
14.5	Bs.		II	2 39 37.14	+0.22	-0.04	.....	.....	S.	+10 28 3.1	+2.6	+0.8	14 43.2	-0.7
15.6	Hi.		II	3 27 50.78	+0.09	-0.21	.....	.....	S.	+13 38 23.2	+1.5	-0.2	14 43.8	-2.1
16.6	Br.		II	4 17 32.88	+0.27	-0.07	.....	.....	S.	+16 14 3.4	+1.3	-0.1	14 50.6	+0.7
21.8	Hi.		II	8 48 15.71	+0.34	-0.14	.....	.....	S.	+16 11 35.9	-0.2	+2.0	.....	.....
22.8	Hi.		II	9 45 5.43	+0.32	-0.14	.....	.....	S.	+13 8 44.2	-1.8	+0.9	.....	.....
Nov. 1.2	Bs.		I	18 51 2.15	+0.32	+0.03	.....	.....	S.	-19 19 25.3	+6.2	+5.4	.....	.....
2.2	Hi.		I	19 50 18.12	+0.26	-0.01	.....	.....	S.	-18 21 53.5	+1.2	+0.2	.....	.....
6.3	Bs.		I	23 18 9.00	+0.30	+0.09	.....	.....	S.	- 6 26 36.1	+3.3	+1.8	.....	.....
7.4	Hi.		I	0 4 57.97	+0.31	+0.11	.....	.....	S.	- 2 27 25.6	+6.0	+4.4	.....	.....
8.4	Bs.		I	0 51 5.92	+0.28	+0.08	.....	.....	S.	+ 1 35 51.2	+3.9	+2.1	.....	.....
10.5	Bs.		I	2 24 0.47	+0.36	+0.12	.....	.....	S.	+ 9 20 13.3	+3.8	+1.8	.....	.....
11.5	Hi.		I	3 11 54.70	+0.18	-0.09	62.50	-0.08	S.	.....	.....	.....	.....	.....
12.5	Hi.		II	4 1 19.26	+0.15	-0.17	.....	.....	S.	+15 34 54.1	+0.8	-1.0	14 47.6	-1.3
14.6	Bs.		II	5 45 4.49	+0.44	+0.03	.....	.....	S.	+19 6 13.5	+0.2	-0.5	.....	.....
16.7	Br.	W.	II	7 33 51.96	+0.50	+0.03	.....	.....	S.	+18 54 13.7	+1.1	+2.1	.....	.....

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1905				h m s	s	s	s	s		° ' "	"	"	' "	"
Nov. 20.8	Br.	W.	II	11 14 53.93	+0.34	-6.10	.....	.....	S.	+ 6 52 2.3	-2.6	+0.4	.....	.....
21.8	Bs.		II	12 10 53.03	+0.34	-0.08	.....	.....	S.	+ 2 4 33.0	-3.5	-0.6	.....	.....
22.9	HL.		II	13 8 4.83	+0.27	-0.13	.....	.....	S.	.....	.....	.....	.....	.....
Dec. 1.2	Br.		I	21 18 48.90	+0.25	+0.04	.....	.....	S.	-15 3 22.8	+2.2	+1.3	.....	.....
4.3	HL.		I	23 49 0.20	+0.08	-0.09	.....	.....	S.	- 4 5 59.0	+6.1	+4.9	.....	.....
5.3	Br.		I	0 35 26.14	+0.20	+0.03	.....	.....	S.	- 0 0 30.8	+5.2	+3.9	.....	.....
6.3	Bs.		I	1 21 26.28	+0.32	+0.14	.....	.....	S.	+ 4 2 53.8	+5.4	+3.8	.....	.....
7.4	Ei.-Y.		I	2 7 47.03	+0.40	+0.19	.....	.....	S.	+ 7 56 7.4	+4.5	+2.7	.....	.....
10.5	HL.		I	4 34 47.90	+0.38	+0.06	.....	.....	S.	+17 7 22.7	+2.3	+0.7	.....	.....
11.5	Br.		.	5 27 25.93	+0.48	+0.12	65.76	-0.03	S.	+18 49 52.3	+1.0	-0.1	.....	.....
12.5	Bs.		II	6 21 39.22	+0.42	+0.02	.....	.....	S.	+19 36 48.0	+1.1	+0.7	.....	.....
13.6	HL.		II	7 16 54.39	+0.24	-0.18	.....	.....	S.	+19 22 21.6	+3.7	+4.1	.....	.....
16.7	HL.		II	10 2 44.37	+0.11	-0.31	.....	.....	S.	+12 32 45.3	-2.0	+0.3	.....	.....
18.8	HL.		II	11 51 16.54	+0.15	-0.25	.....	.....	S.	+ 4 3 27.2	-1.9	+0.7	.....	.....
21.9	Bs.		II	14 39 50.09	+0.30	-0.09	.....	.....	S.	-10 18 39.7	+2.3	+3.9	.....	.....
30.2	HL.		I	22 40 10.60	+0.15	-0.05	.....	.....	S.	- 9 58 21.4	+3.4	+2.7	.....	.....
1906														
Jan. 1.2	HL.		I	0 17 23.03	+0.20	+0.03	.....	.....	S.	- 1 51 40.3	+4.3	+3.4	.....	.....
2.3	Br.		.	.....	.....	.....	.....	.....	S.	+ 2 16 32.4	+4.5	+3.4	.....	.....
5.4	Ei.-Y.		I	3 24 59.52	+0.50	+0.23	.....	.....	S.	+13 20 42.9	+3.3	+1.5	.....	.....
9.5	Ei.-Y.		I	6 56 18.98	+0.57	+0.17	.....	.....	.	+19 36 22.4	+1.5	+1.5	15 16.3	-1.5
10.5	Ei.-Y.		II	7 52 48.67	+0.38	-0.02	.....	.....	S.	+18 43 4.6	+0.6	+1.3	.....	.....
12.6	HL.		II	9 45 31.74	+0.14	-0.21	.....	.....	S.	+13 47 8.7	-2.2	-0.5	.....	.....
16.7	Bs.		II	13 24 21.99	+0.32	+0.02	.....	.....	S.	- 3 59 10.1	-0.9	+0.7	.....	.....
18.8	Br.		II	15 17 42.12	+0.22	-0.11	.....	.....	S.	-12 48 28.0	+2.0	+2.8	.....	.....
30.2	Br.		I	1 30 52.47	+0.29	+0.07	.....	.....	S.	+ 4 30 26.5	+4.4	+3.2	.....	.....
31.2	Bs.		I	2 17 34.04	+0.38	+0.14	.....	.....	S.	+ 8 23 28.0	+2.8	+1.4	.....	.....
Feb. 2.3	Br.		I	3 53 42.62	+0.52	+0.18	.....	.....	S.	+14 56 27.0	+1.9	+0.4	.....	.....
3.3	HL.		I	4 44 18.24	+0.52	+0.13	.....	.....	S.	+17 19 57.7	+1.8	+0.5	.....	.....
4.4	HL.		I	5 36 59.42	+0.60	+0.15	.....	.....	S.	+18 56 9.7	-0.7	-1.5	.....	.....
5.4	Bs.		I	6 31 41.30	+0.64	+0.16	.....	.....	.	+19 36 15.0	+0.5	+0.4	15 14.5	-0.6
7.5	Ei.-Y.		I	8 25 9.81	+0.55	+0.08	.....	.....	N.	+17 42 48.6	-0.9	+0.5	.....	.....
9.5	HL.		II	10 19 27.37	+0.22	-0.16	.....	.....	S.	+11 34 46.2	-0.1	+1.9	.....	.....
16.8	HL.		II	16 58 42.23	+0.04	-0.16	.....	.....	S.	-17 51 41.3	+3.5	+3.1	.....	.....
Mar. 1.2	HL.		I	3 33 13.73	+0.42	+0.08	.....	.....	S.	+13 46 54.7	+3.0	+1.6	.....	.....
2.2	Br.		I	4 22 39.15	+0.51	+0.11	.....	.....	S.	+16 26 34.7	+1.0	-0.3	.....	.....
4.3	HL.		I	6 6 50.17	+0.66	+0.12	.....	.....	.	+19 27 53.2	-0.2	-0.4	15 4.6	-0.8
6.4	Br.		I	7 57 44.77	+0.58	-0.02	.....	.....	N.	+18 35 58.0	-2.6	-1.0	.....	.....
8.5	HL.		I	9 52 1.82	+0.58	+0.03	.....	.....	N.	+13 24 21.6	-4.0	-1.2	.....	.....
9.5	Ei.-Y.		I	10 49 18.50	+0.53	+0.03	.....	.....	N.	+ 9 22 29.9	-3.2	-0.3	.....	.....
10.5	Ei.-Y.		II	11 46 28.99	+0.25	-0.19	.....	.....	.	+ 4 40 14.6	-2.9	-0.2	16 18.6	-1.6
15.7	Br.		II	.....	.....	.....	.....	.....	S.	-17 15 50.1	+3.4	+2.9	.....	.....
17.8	Bs.		II	18 41 57.61	+0.11	+0.03	.....	.....	N.	-19 42 25.2	-0.6	-1.5	.....	.....
19.9	Br.		II	20 38 49.23	+0.07	0.00	.....	.....	.	.....	.....	.....	.....	.....
20.9	Bs.		II	21 33 46.95	+0.02	-0.06	.....	.....	.	.....	.....	.....	.....	.....
Apr. 2.3	Bs.		I	7 32 43.00	+0.58	-0.04	.....	.....	N.	+19 19 36.3	-2.1	-0.8	.....	.....
6.4	Ei.-Y.		I	11 17 4.02	+0.61	0.00	.....	.....	N.	+ 7 12 42.5	-3.5	+0.3	.....	.....
7.5	Ei.-Y.		I	12 14 21.29	+0.61	+0.05	.....	.....	N.	+ 2 43 51.6	-4.9	-1.3	.....	.....
9.5	Br.		II	14 12 6.98	+0.42	-0.05	.....	.....	N.	- 8 7 17.8	-2.7	-0.4	.....	.....
10.6	Ei.-Y.		II	15 13 11.45	+0.28	-0.12	.....	.....	S.	-12 41 33.8	+2.0	+3.3	.....	.....
12.7	Br.		II	17 18 50.39	+0.08	-0.17	.....	.....	S.	-18 46 44.8	+5.0	+4.7	.....	.....
15.8	Bs.		II	20 21 51.48	-0.04	-0.08	.....	.....	N.	-18 5 53.1	+0.3	-0.4	.....	.....
16.8	Br.		II	21 17 44.77	-0.14	-0.19	.....	.....	.	.....	.....	.....	.....	.....
27.1	Br.		I	5 26 50.94	+0.53	+0.12	.....	.....	.	.....	.....	.....	.....	.....
28.2	Bs.	W.	I	6 19 10.34	+0.69	+0.21	.....	.....	N.	+19 58 40.7	-3.5	-3.7	.....	.....

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1906				h m s	s	se	s	s		° ' "	"	"	' "	"
Apr. 30.2	Bs.	W.	I	8 6 28.92	+0.64	+0.06	.....	.....	N.	+18 45 26.4	-3.5	-1.8	.....	...
May 1.3	Br.		I	9 0 49.56	+0.58	-0.07	.....	.....	N.	+16 37 38.9	-4.5	-1.8	.....	...
2.3	Bs.		I	9 55 22.88	+0.64	-0.02	.....	.....	N.	+13 32 4.0	-3.4	0.0	.....	...
4.4	Br.		I	11 45 39.50	+0.64	-0.01	.....	.....	N.	+ 4 55 49.3	-5.1	-0.9	.....	...
June 29.3	Br.		I	12 51 58.83	+0.58	-0.02	.....	.....	N.	- 0 40 53.9	-4.4	-0.9	.....	...
July 1.3	Bs.		I	14 43 55.09	+0.56	0.00	.....	.....	N.	-10 25 37.8	-1.5	+1.0	.....	...
5.5	Ei.-Y.		I	18 58 14.52	+0.48	+0.04	73.30	-0.08	N.	-20 17 19.7	+0.4	+0.1	.....	...
6.5	Bs.		II	20 2 48.81	+0.40	+0.02	.....	.....	N.	-19 14 49.2	+1.6	+1.0	.....	...
7.6	Ei.-Y.		II	21 4 24.96	+0.21	-0.11	.....	.....					.....	...
Aug. 31.4	Br.		I	21 9 28.04	+0.28	-0.08	.....	.....	S.	-16 40 29.7	+4.2	+2.9	.....	...
Sept. 2.5	Hi.		II	23 0 36.52	+0.07	-0.18	.....	.....	S.	- 9 16 18.9	+2.5	+1.6	.....	...
3.5	Br.		II	23 52 14.52	+0.21	+0.04	.....	.....		- 4 50 37.0	+2.2	+1.5	15 24.5	-0.8
4.6	P.		II	0 41 56.19	+0.04	-0.11	.....	.....					.....	...
5.6	Hi.			.....	.....	.....	.....	.....	N.	+ 4 10 28.6	+0.1	-0.4	.....	...
9.7	Hi.		II	4 45 5.90	+0.11	-0.14	.....	.....					.....	...
10.8	P.			.....	.....	.....	.....	.....	N.	+19 32 52.0	-0.8	-1.2	.....	...
21.1	Hi.		I	14 44 59.20	+0.24	-0.33	.....	.....					.....	...
22.2	P.		I	15 44 2.57	+0.42	-0.17	.....	.....					.....	...
24.2	Hi.		I	17 46 45.70	+0.40	-0.17	.....	.....	N.	-19 52 14.4	-0.4	-0.5	.....	...
25.3	P.		I	18 48 58.37	+0.55	+0.01	.....	.....	S.	-20 28 7.8	+4.6	+3.8	.....	...
Oct. 6.6	Hi.		II	4 24 54.95	+0.08	-0.18	.....	.....	N.	+17 6 57.8	+0.1	-0.8	.....	...
7.7	Hi.		II	5 15 33.89	+0.22	-0.09	.....	.....		+19 10 18.2	+0.7	+0.1	14 47.4	+0.5
11.8	Hi.		II	8 47 19.11	+0.31	-0.13	.....	.....	S.	+17 55 52.5	+1.4	+3.3	.....	...
12.8	P.		II	9 41 18.22	+0.36	-0.08	.....	.....	S.	+15 6 28.0	-0.1	+2.5	.....	...
25.3	Hi.	W.	I	21 29 44.60	+0.37	+0.05	.....	.....	S.	-15 53 39.5	+3.0	+1.5	.....	...
1907														
Apr. 18.2	M.	E.	I	6 28 9.39	+0.62	+0.14	.....	.....	N.	+20 13 27.6	-2.4	-0.9	.....	...
20.3	P.		I	8 13 19.18	+0.71	+0.16	.....	.....	N.	+18 5 56.6	-2.2	+0.1	.....	...
21.3	Hi.		I	9 5 31.93	+0.50	-0.05	.....	.....	N.	+ 6 37 29.4	-1.9	+2.1	.....	...
24.4	P.		I	11 40 29.56	+0.66	+0.14	.....	.....	N.	+ 1 34 44.1	-4.8	-0.9	.....	...
25.4	M.		I	12 32 48.50	+0.50	0.00	.....	.....	N.				.....	...
May 30.6	P.		II	17 26 20.08	+0.03	-0.31	.....	.....		-20 22 5.7	+2.4	+2.6	16 24.7	-2.2
4.8	Hi.		I	21 37 45.81	-0.10	-0.16	.....	.....					.....	...
17.2	Hi.		I	7 53 25.39	+0.56	+0.03	.....	.....					.....	...
20.3	M.		I	10 27 10.48	+0.70	+0.15	.....	.....	N.	+13 8 46.6	-4.2	-0.7	.....	...
21.3	Hi.		I	11 17 31.82	+0.62	+0.07	.....	.....	N.	+ 8 56 43.5	-4.6	-0.6	.....	...
23.4	M.		II	13 0 9.61	+0.69	+0.15	.....	.....	N.	- 0 58 22.9	-4.8	-0.6	.....	...
27.5	P.		II	16 55 43.62	+0.39	-0.10	.....	.....	N.	-19 20 13.7	-0.2	+1.0	.....	...
28.6	M.		II	18 2 24.82	+0.32	-0.11	.....	.....		-21 22 33.8	+1.5	+1.7	16 37.7	-1.3
29.6	M.		II	19 9 45.45	+0.18	-0.17	.....	.....	N.	-21 45 3.6	+0.8	+0.3	.....	...
June 3.8	P.		II	0 2 41.55	-0.03	-0.07	.....	.....	N.	- 4 47 53.9	-0.1	-0.1	.....	...
5.9	P.		II	1 40 46.31	-0.06	-0.11	.....	.....					.....	...
6.9	M.		II	2 29 3.60	+0.10	+0.02	.....	.....					.....	...
17.2	M.		I	10 58 34.96	+0.63	+0.07	.....	.....					.....	...
20.3	P.		I	13 29 4.68	+0.71	+0.14	.....	.....	N.	- 3 41 34.6	-4.2	-0.2	.....	...
21.4	M.		I	14 22 58.40	+0.66	+0.08	.....	.....	N.	- 8 48 39.0	-4.2	-0.6	.....	...
22.4	P.		I	15 20 23.30	+0.71	+0.13	.....	.....	N.	-13 35 51.2	-2.1	+0.7	.....	...
23.4	P.		I	16 21 56.28	+0.58	+0.02	.....	.....	N.	-17 38 56.7	-2.3	-0.4	.....	...
24.5	M.		I	17 27 27.20	+0.64	+0.11	.....	.....		-20 30 59.8	-0.4	+0.4	16 43.7	+0.7
25.5	P.		II	18 35 35.63	+0.49	+0.02	.....	.....		-21 48 55.8	+2.0	+2.0	16 43.2	-2.1
26.6	Hi.		II	19 44 1.13	+0.13	-0.25	.....	.....	N.	-21 21 50.7	0.0	-0.6	.....	...
27.6	P.		II	20 50 14.97	+0.12	-0.18	.....	.....	N.	-19 15 28.1	+1.1	+0.3	.....	...
30.7	P.		II	23 44 52.93	+0.07	-0.04	.....	.....	N.	- 6 38 45.0	+0.8	+0.7	.....	...
2.8	P.		II	1 25 33.18	+0.04	-0.04	.....	.....	N.	+ 3 18 27.8	+0.3	+0.2	.....	...
3.8	P.		II	2 14 5.51	+0.04	-0.05	.....	.....	N.	+ 7 58 0.9	-0.8	-1.0	.....	...
4.8	Hi.	E.	II	3 2 37.94	-0.04	-0.16	.....	.....					.....	...

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1907				h m s	s	s	s	s		° ' "	"	"	' "	"
July 5.9	M.	E.	II	3 51 50.24	+0.02	-0.16	.....	.....	.	.....	.....	.....	.....	.....
15.2	HL.		I	11 31 32.00	+0.62	+0.06	.....	.....	.	.....	.....	.....	.....	.....
16.2	M.		I	12 20 15.34	+0.68	+0.11	.....	.....	.	.....	.....	.....	.....	.....
19.3	M.		I	14 54 53.77	+0.61	-0.01	.....	.....	N.	-11 32 8.1	-3.3	-0.1	.....	.....
20.3	M.		I	15 52 34.54	+0.66	+0.04	.....	.....	N.	-15 50 20.9	-2.7	-0.4	.....	.....
21.4	HL.		I	16 54 27.24	+0.87	+0.27	.....	.....	N.	-19 14 43.0	-2.0	-0.7	.....	.....
23.5	P.		I	19 8 7.95	+0.54	+0.06	.....	.....	.	-21 49 4.2	+1.4	+0.9	16 41.8	-1.1
25.5	HL.		II	21 21 31.44	+0.10	-0.21	.....	.....	.	-17 42 53.4	+1.8	+0.8	16 33.1	-1.9
26.6	P.		II	22 23 13.05	+0.05	-0.18	.....	.....	N.	-13 40 30.8	+2.1	+1.4	.....	.....
27.6	HL.		II	23 20 50.86	+0.15	-0.02	.....	.....	N.	-8 52 53.6	-1.3	-1.7	.....	.....
29.7	HL.		II	1 6 28.01	-0.05	-0.16	.....	.....	N.	+1 24 7.0	-1.3	-1.3	.....	.....
30.7	P.		II	1 56 24.44	+0.08	-0.03	.....	.....	N.	+6 18 26.2	+0.4	+0.5	.....	.....
Aug. 1.8	HL.		II	3 35 8.15	-0.13	-0.29	.....	.....	N.	+14 39 35.6	-1.4	-1.8	.....	.....
2.8	P.		II	4 25 15.74	+0.17	-0.04	.....	.....	.	.....	.....	.....	.....	.....
14.2	HL.		I	13 44 9.53	+0.56	-0.04	.....	.....	.	.....	.....	.....	.....	.....
15.2	P.		I	14 36 4.16	+0.62	-0.01	.....	.....	N.	-10 0 35.9	-3.5	-0.2	.....	.....
18.3	P.		I	17 31 12.50	+0.88	+0.23	.....	.....	N.	-20 40 53.3	-0.2	+0.4	.....	.....
19.4	P.		I	18 36 16.36	+0.64	+0.04	.....	.....	.	-21 51 42.4	+2.2	+1.8	16 26.7	-1.1
20.4	P.		I	19 42 45.13	+0.65	+0.13	.....	.....	S.	-21 25 5.6	+2.3	+1.4	.....	.....
22.5	P.		I	21 51 54.86	+0.35	+0.01	.....	.....	S.	-15 51 35.5	+4.4	+3.1	.....	.....
24.6	P.		II	23 48 32.44	+0.22	+0.02	.....	.....	N.	-6 13 58.4	+0.5	-0.1	.....	.....
25.6	HL.		II	0 42 21.39	-0.08	-0.24	.....	.....	N.	-0 54 59.1	+1.6	+1.3	.....	.....
26.6	P.		II	1 34 12.64	+0.19	+0.05	.....	.....	N.	+4 16 25.9	+0.2	+0.1	.....	.....
28.7	M.		II	3 15 21.98	+0.08	-0.07	.....	.....	N.	+13 19 26.8	-1.1	-1.3	.....	.....
29.7	HL.		II	4 6 2.23	-0.05	-0.23	.....	.....	N.	+16 50 22.0	-0.1	-0.4	.....	.....
30.8	M.		II	4 57 20.15	+0.15	-0.09	.....	.....	N.	+19 30 31.2	-0.8	-1.2	.....	.....
Sept. 31.8	M.		II	5 49 20.96	+0.22	-0.07	.....	.....	.	.....	.....	.....	.....	.....
12.2	M.		I	15 13 48.48	+0.59	0.00	.....	.....	.	.....	.....	.....	.....	.....
13.2	HL.		I	16 10 25.89	+0.56	-0.08	.....	.....	N.	-17 13 33.7	-2.5	-0.7	.....	.....
14.2	P.		I	17 10 11.27	+0.93	+0.28	.....	.....	N.	-20 8 53.7	-1.3	-0.5	.....	.....
15.3	HL.-P.		I	18 12 41.55	+0.84	+0.20	.....	.....	.	-21 47 27.5	+2.3	+2.0	16 9.7	-2.1
16.3	M.		I	19 16 51.09	+0.65	+0.05	.....	.....	S.	-21 56 22.9	+2.3	+1.2	.....	.....
20.5	P.		I	23 21 20.18	+0.34	+0.03	.....	.....	S.	-8 45 2.2	+3.5	+1.9	.....	.....
21.5	P.		II	0 16 11.52	+0.22	-0.04	.....	.....	.	-3 27 27.2	+3.1	+1.9	15 59.4	-1.6
23.6	HL.		II	2 0 59.72	+0.06	-0.13	.....	.....	.	.....	.....	.....	.....	.....
24.6	P.		II	2 52 22.66	+0.25	+0.07	.....	.....	N.	+11 40 13.1	+1.8	+1.4	.....	.....
25.6	M.		II	3 43 50.98	+0.12	-0.07	.....	.....	N.	+15 37 9.1	-0.7	-1.1	.....	.....
26.7	HL.		II	4 35 45.46	+0.10	-0.12	.....	.....	N.	+18 43 42.1	-0.1	-0.5	.....	.....
27.7	P.		II	5 28 11.87	+0.24	-0.02	.....	.....	N.	+20 53 3.1	0.0	-0.3	.....	.....
29.8	M.		II	7 13 54.66	+0.24	-0.11	.....	.....	S.	+22 4 44.1	+1.5	+1.8	.....	.....
Oct. 30.8	HL.		II	8 6 28.15	+0.24	-0.14	.....	.....	.	.....	.....	.....	.....	.....
1.8	P.		II	8 58 22.08	+0.54	+0.14	.....	.....	.	.....	.....	.....	.....	.....
10.1	P.		I	15 52 18.31	+0.54	+0.01	.....	.....	.	.....	.....	.....	.....	.....
12.2	M.		I	17 53 51.87	+0.72	+0.17	.....	.....	.	.....	.....	.....	.....	.....
13.2	HL.		I	18 57 18.92	+0.51	-0.03	.....	.....	S.	-22 18 31.7	+4.7	+3.8	.....	.....
14.3	M.		I	20 0 42.61	+0.54	+0.05	.....	.....	S.	-21 22 43.3	+2.4	+0.8	.....	.....
15.3	HL.		I	21 2 36.12	+0.37	-0.08	.....	.....	S.	-18 59 54.8	+3.6	+1.6	.....	.....
16.4	P.		I	22 2 4.16	+0.43	+0.04	.....	.....	S.	-15 23 48.3	+3.8	+1.7	.....	.....
17.4	M.		I	22 58 51.18	+0.28	-0.07	.....	.....	S.	-10 52 53.2	+4.4	+2.4	.....	.....
18.4	HL.		I	23 53 15.81	+0.30	-0.01	.....	.....	S.	-5 47 25.0	+5.2	+3.3	.....	.....
19.5	P.		I	0 45 55.60	+0.31	+0.03	.....	.....	S.	-0 27 20.5	+3.4	+1.8	.....	.....
20.5	HL.		.	1 37 34.82	+0.11	-0.15	64.95	-0.10	S.	+4 48 56.9	+5.2	+3.8	.....	.....
21.5	HL.		II	2 28 55.89	+0.04	-0.21	.....	.....	.	+9 44 46.0	+1.8	+0.6	15 27.1	-1.8
23.6	M.		II	4 12 43.76	+0.19	-0.08	.....	.....	N.	+17 40 19.3	-0.3	-1.2	.....	.....
24.6	M.	E.	II	5 5 34.26	+0.25	-0.04	.....	.....	.	+20 18 54.8	-0.2	-0.9	15 0.2	-0.2

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1907														
Oct. 25.7	Hl.	E.	II	h m s 5 58 51.29	+0.20	-0.11	s	s	.	+21 55 25.2	+0.3	-0.2	14 53.1	-0.5
29.8	P.		II	9 28 7.80	+0.56	+0.16	.....	.....	S.	+17 44 28.8	0.0	+1.9	.....	.....
31.9	Hl.		II	11 7 37.99	+0.37	-0.05	.....	.....	.	.....	.....	.....	.....	.....
Nov. 13.3	P.		I	22 41 45.89	+0.23	-0.05	.....	.....	S.	-12 34 6.7	+3.4	+1.8	.....	.....
14.3	M.		I	23 35 49.12	+0.23	-0.02	.....	.....	S.	-7 40 53.4	+4.0	+2.4	.....	.....
15.4	Hl.		I	0 27 46.06	+0.10	-0.14	.....	.....	S.	-2 28 3.2	+3.6	+2.2	.....	.....
16.4	P.		I	1 18 30.43	+0.38	+0.14	.....	.....	S.	+2 47 29.8	+4.2	+2.8	.....	.....
17.4	Hl.		I	2 8 52.55	+0.21	-0.03	.....	.....	S.	+7 50 19.9	+4.5	+3.2	.....	.....
19.5	Hl.		I	3 51 7.17	+0.13	-0.15	65.37	-0.14	S.	+16 22 20.4	+0.8	-0.5	15 7.5	-2.4
24.7	M.		II	8 16 31.67	+0.32	-0.07	.....	.....	S.	+21 16 17.1	-1.3	-0.6	.....	.....
26.7	Hl.		II	9 57 40.82	+0.25	-0.15	.....	.....	S.	+16 4 29.8	-0.1	+2.0	.....	.....
27.8	M.		II	10 46 32.26	+0.35	-0.06	.....	.....	S.	+12 17 28.0	-2.5	+0.2	.....	.....
28.8	Hl.		II	11 34 52.38	+0.38	-0.04	.....	.....	.	.....	.....	.....	.....	.....
29.8	P.		II	12 23 26.76	+0.56	+0.12	.....	.....	S.	+3 1 19.7	-0.9	+2.8	.....	.....
Dec. 1.9	M.		II	14 5 2.05	+0.46	-0.04	.....	.....	.	.....	.....	.....	.....	.....
7.1	P.		I	19 15 30.48	+0.64	+0.18	.....	.....	.	.....	.....	.....	.....	.....
10.2	Hl.		I	22 24 25.68	+0.21	-0.03	.....	.....	S.	-14 9 59.4	+3.7	+2.5	.....	.....
12.3	Hl.		I	0 12 37.41	+0.20	+0.03	.....	.....	S.	-4 11 54.0	+4.5	+3.7	.....	.....
18.5	P.		I	5 17 15.96	+0.33	+0.03	.....	.....	.	+20 54 51.1	+1.7	+0.7	14 53.9	-1.1
19.5	Hl.		II	6 10 41.76	+0.24	-0.10	.....	.....	.	+22 21 0.4	+1.9	+1.1	14 47.8	-2.4
20.5	P.		II	7 4 17.50	+0.41	+0.05	.....	.....	.	+22 40 51.7	+1.1	+0.7	14 46.0	-0.8
21.6	Hl.		II	7 57 17.78	+0.14	-0.24	.....	.....	S.	+21 54 47.7	+0.8	+1.0	.....	.....
23.6	Hl.		II	9 39 23.30	+0.18	-0.21	.....	.....	S.	+17 24 24.8	-0.5	+0.9	.....	.....
24.7	P.		II	10 28 12.45	+0.52	+0.14	.....	.....	S.	+13 55 24.2	+0.2	+2.2	.....	.....
25.7	M.		II	11 15 56.22	+0.35	-0.04	.....	.....	S.	+9 48 32.8	-2.2	+0.4	.....	.....
27.8	P.		II	12 51 0.63	+0.53	+0.10	.....	.....	S.	+0 16 24.0	-0.4	+3.0	.....	.....
1908														
Jan. 6.1	M.		I	21 59 25.67	+0.37	+0.03	.....	.....	.	.....	.....	.....	.....	.....
9.2	M.		I	0 46 45.38	+0.30	+0.12	.....	.....	S.	-0 43 20.1	+4.1	+3.5	.....	.....
10.3	P.		I	1 37 27.75	+0.26	+0.11	.....	.....	S.	+4 32 34.6	+3.8	+3.4	.....	.....
12.3	P.		I	3 17 27.10	+0.31	+0.15	.....	.....	S.	+13 47 44.6	+1.2	+0.7	.....	.....
14.4	P.		I	.....	.....	.....	.....	.....	S.	+20 12 0.2	+2.2	+1.5	.....	.....
15.4	M.		I	5 52 51.10	+0.30	+0.03	.....	.....	.	+21 58 42.9	-0.2	-0.8	14 48.4	-1.2
16.5	P.		I	6 46 9.70	+0.35	+0.04	.....	.....	.	+22 41 1.1	+1.2	+0.8	14 45.2	-0.9
17.5	M.-P.		I	7 39 19.07	+0.36	+0.02	.....	.....	.	+22 17 13.4	+0.3	+0.2	14 43.2	-1.0
18.5	P.-M.		II	8 31 37.21	+0.49	+0.14	.....	.....	.	+20 49 43.1	-0.2	+0.2	14 42.6	-1.1
19.6	Hl.		II	9 22 32.81	+0.33	-0.03	.....	.....	S.	+18 24 24.2	+0.4	+1.3	.....	.....
21.6	P.		II	10 59 53.19	+0.46	+0.11	.....	.....	S.	+11 14 26.9	-1.1	+0.9	.....	.....
22.7	M.		II	11 46 55.30	+0.29	-0.06	.....	.....	S.	+6 48 55.9	-0.4	+2.0	.....	.....
25.7	P.		II	14 10 23.67	+0.48	+0.05	.....	.....	S.	-7 52 10.8	+1.0	+3.8	.....	.....
26.8	P.		II	15 2 20.93	+0.66	+0.19	.....	.....	S.	-12 35 57.5	+0.5	+3.0	.....	.....
Feb. 6.2	P.		I	1 16 51.88	+0.26	+0.03	.....	.....	S.	+2 30 58.0	+2.3	+1.6	.....	.....
7.2	P.		I	2 8 36.62	+0.16	-0.05	.....	.....	S.	+7 45 17.7	+2.7	+2.2	.....	.....
8.2	P.		I	2 59 46.14	+0.28	+0.08	.....	.....	S.	+12 26 24.4	+2.4	+2.0	.....	.....
9.3	Hl.		I	3 51 3.82	+0.22	+0.01	.....	.....	S.	+16 23 48.2	+1.9	+1.5	.....	.....
12.4	M.		I	6 28 39.06	+0.29	0.00	.....	.....	.	+22 37 54.7	-0.1	-0.3	14 47.6	-0.2
16.5	Hl.		I	9 55 43.64	+0.36	+0.01	63.64	-0.09	N.	+16 16 33.1	-2.9	-1.5	.....	.....
17.5	M.		II	10 44 20.91	+0.37	+0.03	.....	.....	S.	+12 30 47.3	-1.9	-0.1	14 50.8	-0.2
20.6	Hl.		II	13 5 57.76	+0.25	-0.09	.....	.....	S.	-1 28 46.9	+2.4	+4.8	.....	.....
24.8	Hl.		II	16 33 53.74	+0.32	-0.12	.....	.....	S.	-19 8 9.0	+3.9	+4.7	.....	.....
Mar.														
7.2	P.		I	3 29 33.39	+0.22	-0.04	.....	.....	S.	+15 3 47.1	+0.6	0.0	.....	.....
10.3	Hl.		I	6 9 34.04	+0.26	-0.08	.....	.....	.	+22 34 57.9	+0.2	0.0	14 52.8	-1.7
11.3	P.		I	7 3 4.54	+0.32	-0.04	.....	.....	N.	+22 53 57.6	-1.1	-1.0	.....	.....
12.4	Hl.		I	7 55 57.71	+0.40	+0.03	.....	.....	N.	+22 6 36.7	-2.0	-1.4	.....	.....
13.4	M.	E.	I	8 47 46.69	+0.40	+0.02	.....	.....	N.	+20 16 46.2	-2.1	-1.0	.....	.....

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1908														
Mar.	14.4	P.	E.	I	h m s	s	s	s	N.	+17 30 39.8	-2.0	-0.4	"	"
	17.5	P.		II	9 38 16.00	+0.47	+0.09	.....	N.	+ 5 1 15.2	-0.9	+1.7	.....	.....
	20.6	P.		II	12 2 55.80	+0.54	+0.19	.....	S.	- 9 58 25.1	+2.3	+4.4	.....	.....
	21.6	Fk.		II	14 28 26.88	+0.57	+0.22	.....		.....	.....	.....	.....	.....
	24.8	P.		II	15 20 39.52	+0.31	-0.05	.....		.....	.....	.....	.....	.....
Apr.	25.8	M.		II	18 16 8.72	+0.50	+0.16	.....		-22 49 54.8	+2.8	+2.1	16 3.2	+0.2
	26.8	Fk.		II	19 19 44.77	+0.21	-0.10	.....		.....	.....	.....	.....	.....
	4.1	P.		I	20 23 46.43	+0.02	-0.26	.....		.....	.....	.....	.....	.....
	6.2	M.		I	3 58 2.74	+0.31	+0.02	.....		.....	.....	.....	.....	.....
	7.2	Fk.		I	5 47 17.95	+0.40	+0.04	.....	N.	+23 10 24.8	-2.4	-2.4	.....	.....
	8.3	P.		I	6 41 50.69	+0.48	+0.09	.....		.....	.....	.....	.....	.....
	9.3	M.		I	7 35 37.57	+0.46	+0.05	.....	N.	+21 20 0.1	-3.3	-2.2	.....	.....
	10.3	P.		I	8 28 9.76	+0.50	+0.07	.....		.....	.....	.....	.....	.....
	11.4	P.		I	9 19 11.33	+0.54	+0.11	.....	N.	+15 34 20.3	-2.9	-0.6	.....	.....
	12.4	Fk.		I	10 8 43.10	+0.54	+0.11	.....	N.	+11 32 51.1	-4.9	-2.1	.....	.....
May	13.4	M.		I	10 57 2.09	+0.51	+0.09	.....	N.	+ 6 57 46.6	-3.5	-0.3	.....	.....
	16.5	Fk.		II	11 44 38.53	+0.59	+0.18	.....		- 8 19 30.9	-0.7	+2.2	15 29.4	-1.4
	17.6	P.		II	14 10 18.24	+0.39	-0.01	.....		-13 10 4.6	-1.4	+0.8	15 40.2	+0.6
	19.6	M.		II	15 2 29.42	+0.60	+0.20	.....	S.	-20 42 13.7	+1.3	+1.9	.....	.....
	20.7	M.		II	16 56 6.51	-0.34	-0.02	.....		-22 45 3.4	+2.3	+2.0	16 0.0	-0.8
	21.7	Fk.	E. W.	II	17 57 28.24	+0.35	+0.04	.....		.....	.....	.....	.....	.....
	9.3	Fk.		I	19 0 40.68	+0.08	-0.18	.....	N.	+13 28 39.6	-4.2	-1.4	.....	.....
	10.3	P.		I	10 37 28.44	+0.60	+0.14	.....	N.	+ 9 6 38.6	-3.6	-0.2	.....	.....
	11.4	M.		I	11 24 55.85	+0.57	+0.10	.....	N.	+ 4 16 38.1	-5.1	-1.3	.....	.....
	12.4	P.		I	12 12 3.28	+0.61	+0.14	.....	N.	- 0 51 20.0	-3.2	+0.8	.....	.....
June	17.6	P.		II	12 59 41.61	+0.59	+0.11	.....		.....	.....	.....	.....	.....
	23.8	P.		II	17 35 12.79	+0.48	+0.06	.....		-22 18 34.0	+0.7	+1.1	16 7.6	-1.3
	24.8	M.		II	23 41 44.82	+0.09	+0.06	.....		.....	.....	.....	.....	.....
	2.1	P.		I	0 34 43.04	-0.12	-0.15	.....		.....	.....	.....	.....	.....
	5.2	P.		I	7 45 19.20	+0.51	+0.11	.....	N.	+15 13 16.2	-4.0	-1.8	.....	.....
July	7.3	P.		I	10 18 9.24	+0.62	+0.16	.....	N.	+ 6 30 19.3	-4.6	-1.0	.....	.....
	8.3	M.		I	11 52 9.88	+0.65	+0.16	.....	N.	+ 1 32 17.8	-5.0	-1.0	.....	.....
	9.3	P.		I	12 38 45.70	+0.71	+0.20	.....	N.	- 3 37 23.1	-3.6	+0.6	.....	.....
	11.4	M.		I	13 26 21.86	+0.78	+0.25	.....	N.	-13 40 41.0	-3.5	-0.1	.....	.....
	12.4	P.		I	15 8 49.83	+0.68	+0.09	.....	N.	-17 58 43.8	-1.2	+1.3	.....	.....
	13.5	P.		I	16 5 36.71	+0.64	+0.04	.....		.....	.....	.....	.....	.....
	14.5	M.		II	17 6 42.82	+0.77	+0.20	.....		-21 17 8.8	+0.7	+2.0	16 13.1	-1.1
	15.6	P.		II	18 11 30.95	+0.55	+0.03	.....		-23 11 45.4	+0.1	+0.4	16 22.1	-0.6
	16.6	Fk.		II	19 18 17.80	+0.48	+0.06	.....	N.	-23 24 47.7	+1.4	+0.8	.....	.....
	18.7	P.		II	20 24 39.16	+0.02	-0.29	.....	N.	-21 52 2.4	+1.1	0.0	.....	.....
July	20.8	P.		II	22 28 44.03	+0.05	-0.06	.....	N.	-14 23 38.4	+0.5	-0.3	.....	.....
	21.8	M.		II	0 19 10.98	+0.14	+0.13	.....	N.	- 3 40 45.2	-1.7	-1.7	.....	.....
	22.8	Fk.		II	1 11 10.07	-0.06	-0.08	.....	N.	+ 7 23 24.3	-1.7	-1.5	.....	.....
	23.9	M.		II	2 2 25.80	-0.04	-0.05	.....		.....	.....	.....	.....	.....
	2.1	Fk.		I	2 53 54.94	-0.04	-0.08	.....		.....	.....	.....	.....	.....
	7.3	P.		I	9 59 58.33	+0.56	+0.12	.....		.....	.....	.....	.....	.....
	8.3	Fk.		I	13 53 43.52	+0.68	+0.12	.....	N.	- 6 30 5.8	-3.9	+0.1	.....	.....
	9.4	M.		I	15 37 33.51	+0.78	+0.14	.....	N.	-11 26 44.3	-4.6	-1.0	.....	.....
	10.4	P.		I	16 35 44.78	+0.72	+0.07	.....	N.	-15 59 20.1	-3.1	-0.2	.....	.....
	11.4	Fk.		I	17 38 33.74	+0.78	+0.14	.....	N.	-19 47 12.8	-0.6	+1.4	.....	.....
July	13.5	P.		II	19 53 4.55	+0.57	+0.08	.....	N.	-22 25 52.6	0.0	+0.8	.....	.....
	15.6	M.		II	22 3 54.65	+0.06	-0.22	.....	N.	-22 48 54.2	-0.4	-1.4	.....	.....
	16.6	P.		II	23 3 56.31	+0.15	-0.04	.....	N.	-16 19 16.5	+0.6	-0.8	.....	.....
	18.7	P.		II	0 54 12.05	+0.06	-0.02	.....	N.	-11 16 16.4	+0.2	-0.8	.....	.....
	19.7	M.	W.	II	1 46 26.65	-0.06	-0.12	.....	N.	+ 0 9 12.9	-0.1	-0.2	.....	.....
									N.	+ 5 46 24.8	-0.7	-0.6	.....	.....
									N.	+ 5 46 24.8	-0.7	-0.6	.....	.....

MOON

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1908				h m s	s	s	s	s		° ' "	"	"	"	"
July 20.8	P.	W.	II	2 38 11.32	+0.12	+0.07	.....	.....	N.	+10 56 55.3	-1.0	-0.8	.....	.....
Aug. 3.2	P.		I	13 35 23.92	+0.63	+0.10	.....	.....	N.	- 4 41 35.0	-4.4	-0.8	.....	.....
4.2	Fk.		I	14 23 16.64	+0.61	+0.04	.....	.....	N.	- 9 36 24.3	-3.7	-0.3	.....	.....
7.3	P.		I	17 7 34.24	+0.79	+0.15	.....	.....	N.	-21 24 27.7	+0.7	+1.9	.....	.....
9.4	Fk.		I	19 17 39.58	+0.64	+0.05	.....	.....	S.	-23 26 59.4	+3.1	+2.1	.....	.....
10.5	P.		I	20 25 18.42	+0.54	+0.04	.....	.....	S.	-21 50 10.1	+3.0	+1.3	.....	.....
11.5	Fk.		I	21 31 33.98	+0.29	-0.12	73.74	-0.14	S.	-18 30 1.5	+4.2	+2.3	.....	.....
12.5	Fk.		II	22 34 49.04	+0.19	-0.13	.....	.....	N.	-13 47 25.5	+1.8	0.0	.....	.....
13.6	P.		II	23 34 35.11	+0.27	+0.02	.....	.....	N.	- 8 11 25.3	+0.9	-0.5	.....	.....
15.7	P.		II	1 25 51.80	+0.20	+0.04	.....	.....	N.	+ 3 44 34.5	+0.8	+0.3	.....	.....
20.8	Fk.		II	5 54 48.87	+0.08	-0.15	.....	.....		.....	.....	.....	.....	.....
Sept. 31.1	M.		I	14 7 0.35	+0.62	+0.06	.....	.....		.....	.....	.....	.....	.....
2.2	Fk.		I	15 47 48.51	+0.77	+0.12	.....	.....	N.	-17 4 50.2	-2.3	+0.1	.....	.....
3.2	M.		I	16 43 29.87	+0.77	+0.10	.....	.....	N.	-20 30 24.1	-1.0	+0.4	.....	.....
4.3	M.		I	17 43 15.09	+0.89	+0.23	.....	.....	N.	-22 50 12.5	-0.2	0.0	.....	.....
6.4	P.		I	19 52 3.15	+0.70	+0.14	.....	.....	S.	-22 59 10.9	+2.9	+1.2	.....	.....
7.4	M.		I	20 57 44.14	+0.49	+0.01	.....	.....	S.	-20 29 49.1	+4.5	+2.3	.....	.....
8.5	P.		I	22 1 50.21	+0.47	+0.07	.....	.....	S.	-16 26 39.3	+4.2	+1.9	.....	.....
9.5	Fk.		I	23 3 21.42	+0.39	+0.06	.....	.....	S.	-11 11 37.5	+5.4	+3.2	.....	.....
10.5	P.		II	0 2 12.63	+0.47	+0.19	.....	.....	S.	- 5 13 22.8	+2.8	+1.0	.....	.....
11.6	Fk.		II	0 58 55.99	+0.21	-0.04	.....	.....	N.	+ 0 58 40.4	+0.8	-0.5	.....	.....
12.6	P.		II	1 54 21.42	+0.33	+0.10	.....	.....	N.	+ 6 57 58.1	+1.2	+0.2	.....	.....
14.7	P.		II	3 44 19.46	+0.44	+0.22	.....	.....	N.	+16 55 36.5	-0.1	-0.5	.....	.....
15.7	Fk.		II	4 39 45.03	+0.19	-0.05	.....	.....	N.	+20 24 59.4	+0.1	-0.2	.....	.....
16.7	M.		II	5 35 27.86	+0.12	-0.14	.....	.....		.....	.....	.....	.....	.....
17.8	P.		II	6 31 0.97	+0.34	+0.04	.....	.....		.....	.....	.....	.....	.....
Oct. 18.8	Fk.		II	7 25 44.86	+0.12	-0.21	.....	.....		.....	.....	.....	.....	.....
6.4	P.		I	22 33 42.53	+0.52	+0.11	.....	.....	S.	-13 59 25.4	+6.3	+3.5	.....	.....
7.4	L.		I	23 32 29.00	+0.42	+0.06	.....	.....	S.	- 8 22 42.0	+4.6	+1.9	.....	.....
11.6	M.		II	3 17 20.87	+0.31	+0.02	.....	.....		.....	.....	.....	.....	.....
12.6	P.		II	4 14 4.92	+0.46	+0.16	.....	.....	N.	+19 11 0.4	+1.4	+0.6	.....	.....
13.7	M.		II	5 11 18.59	+0.31	-0.01	.....	.....	N.	+22 7 40.4	-0.6	-1.1	.....	.....
14.7	P.		II	6 8 29.30	+0.50	+0.16	.....	.....	N.	+23 45 23.9	-1.2	-1.5	.....	.....
15.7	M.		II	7 4 48.61	+0.23	-0.13	.....	.....	S.	+24 3 51.8	+0.6	+0.7	.....	.....
16.8	P.		II	7 59 31.30	+0.54	+0.16	.....	.....	S.	+23 7 42.2	+0.8	+1.3	.....	.....
30.2	P.		I	19 7 19.98	+0.78	+0.12	.....	.....	S.	-24 10 31.5	+5.3	+4.1	.....	.....
Nov. 31.2	L.		I	20 9 55.54	+0.70	+0.09	.....	.....	S.	-22 56 34.2	+3.7	+1.6	.....	.....
1.3	P.		I	21 11 32.39	+0.68	+0.14	.....	.....	S.	-20 10 28.3	+4.8	+2.0	.....	.....
2.3	M.		I	22 11 12.77	+0.52	+0.04	.....	.....	S.	-16 4 15.7	+4.5	+1.4	.....	.....
5.4	M.		I	0 59 13.94	+0.36	0.00	.....	.....	S.	+ 1 0 26.5	+5.5	+2.8	.....	.....
6.5	P.		I	1 53 53.20	+0.46	+0.10	.....	.....	S.	+ 7 2 21.9	+3.7	+1.4	.....	.....
8.5	M.		II	3 45 43.04	+0.31	-0.06	.....	.....		+17 21 18.1	+2.2	+0.6	15 52.1	-1.5
9.6	P.		II	4 43 24.40	+0.58	+0.19	.....	.....		+20 59 50.4	+1.0	-0.2	15 40.7	-0.5
10.6	L.		II	5 41 44.72	+0.49	+0.09	.....	.....		+23 20 1.2	+1.1	+0.3	15 27.1	-1.2
11.6	L.			.....	.....	.....	.....	.....		+24 16 55.7	+1.6	+1.2	15 15.2	-0.8
11.6	M.		II	6 39 46.49	+0.36	-0.06	.....	.....		.....	.....	.....	.....	.....
12.7	P.		II	7 36 24.89	+0.60	+0.17	.....	.....	S.	+23 52 50.1	+0.6	+0.8	.....	.....
13.7	L.		II	8 30 48.44	+0.54	+0.11	.....	.....	S.	+22 15 42.3	+0.8	+1.5	.....	.....
14.7	P.		II	9 22 34.86	+0.66	+0.23	.....	.....	S.	+19 36 24.2	-1.8	-0.5	.....	.....
15.8	M.		II	10 11 49.97	+0.33	-0.10	.....	.....	S.	+16 6 36.1	-2.5	-0.5	.....	.....
16.8	P.		II	10 59 3.83	+0.60	+0.17	.....	.....	S.	+11 57 8.9	-1.3	+1.3	.....	.....
18.9	M.		II	12 30 27.44	+0.43	-0.02	.....	.....	S.	+ 2 17 49.9	-3.9	-0.3	.....	.....
19.9	P.		II	13 16 26.10	+0.60	+0.13	.....	.....		.....	.....	.....	.....	.....
27.1	P.		I	19 50 55.84	+0.80	+0.21	.....	.....		.....	.....	.....	.....	.....
29.2	P.		I	21 53 47.24	+0.60	+0.11	.....	.....	S.	-17 33 49.6	+5.0	+2.2	.....	.....
30.3	M.	W.	I	22 51 13.25	+0.46	+0.02	.....	.....	S.	-12 45 24.0	+4.6	+1.5	.....	.....

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correc- tion to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1908														
Dec. 1.3	P.	W.	I	h m s	s	s	s	s	S.	° ' "	" "	" "	" "	" "
2.3	M.		I	23 46 14.38	+0.46	+0.05	.....	.....	S.	- 7 13 17.6	+5.5	+2.6	.....	...
3.4	P.		I	0 39 41.54	+0.38	-0.01	.....	.....	S.	- 1 18 30.0	+5.7	+2.8	.....	...
5.4	L.		I	1 32 37.12	+0.41	+0.02	.....	.....	S.	+ 4 38 43.1	+5.0	+2.3	.....	...
7.5	P.		II	3 20 41.30	+0.51	+0.09	.....	.....	S.	+15 21 46.5	+3.8	+1.7	.....	...
				5 14 46.65	+0.52	+0.05	.....	.....	.	+22 27 29.4	+1.4	0.0	15 32.0	+0.1
8.5	L.		II	6 13 12.91	+0.53	+0.04	.....	.....	.	+24 4 20.9	+1.2	+0.3	15 20.3	-1.5
18.9	L.		II	14 30 25.26	+0.63	+0.09	.....	.....	.	.....	.....	.....	.....	...
28.2	M.		I	23 29 51.52	+0.43	+0.06	.....	.....	S.	- 8 57 46.4	+5.0	+2.4	.....	...
29.2	P.		I	0 23 53.63	+0.39	+0.03	.....	.....	S.	- 3 5 58.9	+5.5	+3.0	.....	...
31.3	M.		I	2 8 51.52	+0.30	-0.07	.....	.....	S.	+ 8 32 50.7	+5.0	+2.8	.....	...
1909														
Jan. 1.3	P.		I	3 1 55.30	+0.39	-0.01	.....	.....	S.	+13 43 49.0	+3.9	+2.0	.....	...
2.4	L.		I	3 56 23.71	+0.52	+0.08	.....	.....	S.	+18 7 14.3	+2.8	+1.0	.....	...
3.4	P.		I	4 52 29.79	+0.56	+0.09	.....	.....	S.	+21 28 20.2	+2.1	+0.7	.....	...
6.5	M.		II	7 44 14.78	+0.36	-0.17	.....	.....	.	+23 46 46.6	-1.7	-1.7	15 2.6	-1.6
12.7	L.		II	12 37 22.61	+0.52	+0.02	.....	.....	S.	+ 1 31 19.5	-1.2	+2.2	.....	...
17.9	M.		II	16 45 50.76	+0.57	-0.07	.....	.....	.	.....	.....	.....	.....	...
25.2	M.		I	0 4 26.02	+0.31	-0.02	.....	.....	.	.....	.....	.....	.....	...
26.2	L.		I	0 58 58.98	+0.33	+0.01	.....	.....	S.	+ 1 0 4.6	+3.6	+1.6	.....	...
27.2	P.		I	1 52 22.37	+0.37	+0.04	.....	.....	S.	+ 6 56 18.4	+3.7	+1.8	.....	...
28.3	M.		I	2 45 39.87	+0.42	+0.07	.....	.....	S.	+12 21 42.6	+1.7	+0.2	.....	...
31.4	P.		I	5 31 14.53	+0.52	+0.06	.....	.....	.	+23 7 41.3	+0.9	+0.1	15 16.8	-1.3
Feb. 1.4	L.		I	6 28 7.05	+0.43	-0.06	.....	.....	.	+24 18 6.6	+0.4	0.0	15 9.3	-0.3
2.4	P.		I	7 24 33.57	+0.50	-0.01	.....	.....	N.	+24 9 3.7	-0.9	-0.9	.....	...
3.5	L.		I	8 19 31.44	+0.40	-0.12	.....	.....	N.	+22 44 40.3	-1.5	-0.9	.....	...
4.5	P.		.	9 12 15.09	+0.47	-0.04	65.67	+0.09	N.	+20 13 58.3	-2.2	-1.1	.....	...
11.7	P.		II	14 36 55.67	+0.77	+0.20	.....	.....	S.	-11 39 49.8	+1.8	+5.0	.....	...
26.2	P.		I	4 16 41.96	+0.36	-0.02	.....	.....	S.	+19 49 44.3	+2.3	+1.4	.....	...
28.3	P.		I	6 10 38.76	+0.44	-0.01	.....	.....	.	+24 16 40.8	+1.3	+1.0	15 12.6	-1.8
Mar. 1.4	M.		I	7 7 15.21	+0.49	+0.02	.....	.....	.	.....	.....	.....	.....	...
2.4	P.		I	8 2 26.82	+0.44	-0.04	.....	.....	.	.....	.....	.....	.....	...
5.5	P.		I	10 34 26.52	+0.60	+0.15	.....	.....	N.	+14 7 36.7	-2.2	-0.2	.....	...
7.5	M.		II	12 5 45.36	+0.49	+0.05	.....	.....	.	+ 4 45 44.9	-2.7	0.0	14 43.7	-0.3
11.7	P.		II	15 8 40.48	+0.66	+0.13	.....	.....	S.	-14 52 22.5	+0.6	+3.1	.....	...
13.7	P.		II	16 53 57.58	+0.78	+0.18	.....	.....	S.	-22 2 20.4	+2.3	+3.2	.....	...
14.8	M.		II	17 52 8.74	+0.64	+0.04	.....	.....	S.	-24 5 1.8	+2.5	+2.3	.....	...
15.8	P.		II	18 53 36.38	+0.70	+0.12	.....	.....	.	.....	.....	.....	.....	...
17.9	M.		II	21 0 55.21	+0.15	-0.35	.....	.....	.	.....	.....	.....	.....	...
26.2	P.		I	4 51 10.34	+0.44	+0.03	.....	.....	S.	+22 0 40.1	+1.6	+0.8	.....	...
28.3	P.		I	6 48 7.77	+0.49	+0.04	.....	.....	N.	+24 49 52.2	-1.1	-1.0	.....	...
29.3	M.		I	7 44 38.65	+0.47	+0.01	.....	.....	N.	+24 9 19.8	-3.1	-2.6	.....	...
30.3	P.		I	8 38 46.92	+0.54	+0.07	.....	.....	N.	+22 15 44.2	-2.1	-1.0	.....	...
31.4	L.		I	9 30 13.37	+0.56	+0.10	.....	.....	N.	+19 20 32.3	-2.6	-1.0	.....	...
Apr. 2.4	P.		I	11 5 48.32	+0.59	+0.15	.....	.....	N.	+11 13 52.7	-3.4	-0.9	.....	...
3.5	L.		I	11 51 2.63	+0.59	+0.17	.....	.....	N.	+ 6 25 20.3	-3.9	-1.1	.....	...
4.5	P.		I	12 35 33.98	+0.64	+0.22	.....	.....	N.	+ 1 20 57.9	-2.7	+0.2	.....	...
5.5	P.		II	13 20 11.95	+0.64	+0.22	.....	.....	.	- 3 48 45.2	-2.0	+1.0	14 49.0	-0.7
6.5	L.		II	14 5 47.75	+0.55	+0.12	.....	.....	.	- 8 52 48.8	-1.1	+1.7	14 52.9	-1.6
7.6	M.		II	14 53 12.18	+0.46	+0.02	.....	.....	S.	-13 39 8.9	+0.1	+2.5	.....	...
8.6	P.		II	15 43 11.79	+0.66	+0.20	.....	.....	S.	-17 54 13.2	+0.3	+2.1	.....	...
10.7	P.		II	17 32 49.46	+0.77	+0.29	.....	.....	S.	-23 48 26.8	+4.8	+4.8	.....	...
11.7	M.		II	18 32 14.84	+0.55	+0.08	.....	.....	N.	-24 55 42.1	+1.3	+0.4	.....	...
15.9	P.		II	22 36 5.21	+0.39	+0.04	.....	.....	.	.....	.....	.....	.....	...
24.2	L.		I	6 23 39.34	+0.42	-0.04	.....	.....	.	.....	.....	.....	.....	...
25.2	P.		I	7 22 34.65	+0.53	+0.06	.....	.....	N.	+24 48 17.8	-2.1	-1.9	.....	...
26.3	M.	W.	I	8 18 55.26	+0.46	-0.01	.....	.....	N.	+23 19 22.0	-3.4	-2.6	.....	...

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1909				h m s	s	s	s	s		° ' "	"	"	"	"
Apr. 28.3	L.	W.	.	.....	.....	.....	.....	.....	N.	+17 11 5.3	-3.1	-1.2	.....	.....
29.3	M.	W.	I	10 49 47.91	+0.51	+0.06	.....	.....	N.	+12 58 34.9	-5.2	-2.8	.....	.....
May 9.7	M.	E.	.	.....	.....	.....	.....	.....	N.	-24 59 5.7	+1.1	-0.2	.....	.....
11.8	L.		II	21 16 39.37	+0.17	-0.06	.....	.....	N.	-20 31 0.8	+2.0	-0.1	.....	.....
12.8	M.		II	22 15 11.47	-0.03	-0.23	.....	.....	N.	-16 12 15.0	+0.5	-1.6	.....	.....
16.9	M.		II	1 57 9.84	+0.08	-0.20	.....	.....	N.	.....	.....	.....	.....	.....
28.3	P.		I	12 3 3.27	+0.61	+0.15	.....	.....	N.	+ 5 17 31.3	-3.3	-0.2	.....	.....
29.3	L.		I	12 47 22.26	+0.64	+0.16	.....	.....	N.	+ 0 8 14.4	-4.4	-0.9	.....	.....
30.4	P.		I	13 32 6.83	+0.60	+0.10	.....	.....	N.	- 5 4 24.7	-3.5	+0.2	.....	.....
31.4	L.		I	14 18 18.43	+0.64	+0.12	.....	.....	N.	-10 10 4.4	-3.1	+0.5	.....	.....
June 6.6	M.		.	.....	.....	.....	.....	.....	N.	-24 10 53.6	+0.4	-0.9	.....	.....
11.8	M.		II	0 42 56.36	-0.10	-0.18	.....	.....	N.	- 0 39 56.0	-0.8	-1.8	.....	.....
21.1	L.		I	9 20 30.59	+0.48	+0.04	.....	.....	N.	.....	.....	.....	.....	.....
24.2	M.		I	11 44 54.27	+0.51	+0.07	.....	.....	N.	+ 7 19 20.0	-5.3	-2.8	.....	.....
26.3	M.		I	13 13 33.57	+0.62	+0.13	.....	.....	N.	- 2 57 1.4	-4.2	-0.8	.....	.....
28.3	L.		I	14 45 52.71	+0.68	+0.11	.....	.....	N.	-12 58 49.1	-1.2	+2.3	.....	.....
29.4	M.		I	15 36 3.14	+0.71	+0.09	.....	.....	N.	-17 25 42.0	-2.9	0.0	.....	.....
30.4	L.		I	16 30 1.27	+0.68	+0.04	.....	.....	N.	-21 8 44.2	-1.1	+1.0	.....	.....
July 1.5	M.		I	17 28 3.33	+0.79	+0.16	.....	.....	N.	-23 48 23.7	+0.1	+0.9	15 38.0	-0.9
2.5	P.		I	18 29 34.55	+0.55	-0.02	.....	.....	N.	-25 4 56.9	+0.7	+0.4	15 50.8	+0.6
3.5	L.		II	19 33 4.50	+0.51	+0.02	.....	.....	N.	-24 43 49.2	+1.6	+0.4	15 58.9	-1.2
4.6	M.		II	22 36 48.77	+0.10	-0.06	.....	.....	N.	-22 41 9.7	+1.7	0.0	16 8.0	+0.2
6.6	L.		II	23 32 50.98	-0.04	-0.13	.....	.....	N.	-14 16 14.6	+0.9	-0.8	.....	.....
7.6	M.		II	0 26 54.41	+0.13	+0.08	.....	.....	N.	- 8 35 44.2	-1.9	-3.0	.....	.....
8.7	P.		II	.....	.....	.....	.....	.....	N.	- 2 27 40.4	-0.3	-1.0	.....	.....
9.7	L.		II	1 20 3.86	+0.06	+0.02	.....	.....	N.	+ 3 45 42.6	-1.0	-1.4	.....	.....
10.8	P.		II	2 13 29.49	+0.07	+0.03	.....	.....	N.	+ 9 43 48.2	-1.5	-1.7	.....	.....
24.2	P.		I	13 39 46.21	+0.73	+0.23	.....	.....	N.	- 6 7 9.3	-3.4	-0.3	.....	.....
25.3	P.		.	.....	.....	.....	.....	.....	N.	-11 4 51.0	-3.2	-0.1	.....	.....
27.3	P.		I	16 5 4.55	+0.73	+0.09	.....	.....	N.	-19 41 21.0	-1.2	+1.1	.....	.....
28.4	M.		I	17 0 39.73	+0.94	+0.27	.....	.....	N.	-22 49 4.8	-1.0	+0.2	.....	.....
29.4	P.		I	18 0 21.52	+0.71	+0.05	.....	.....	S.	-24 44 13.1	-0.7	-0.6	.....	.....
30.4	M.		I	19 3 17.30	+0.67	+0.03	.....	.....	S.	-25 7 58.8	+2.8	+1.8	.....	.....
Aug. 1.5	P.		II	22 12 54.57	+0.32	-0.03	.....	.....	S.	-20 47 16.0	+3.4	+0.9	.....	.....
2.6	L.		II	.....	.....	.....	.....	.....	S.	-16 17 29.5	+2.3	-0.2	16 26.6	-0.4
4.6	L.		II	0 7 52.16	+0.09	-0.10	.....	.....	N.	- 4 29 57.4	+0.3	-1.3	.....	.....
5.7	P.		II	1 2 31.74	+0.16	+0.03	.....	.....	N.	+ 1 54 28.9	+0.8	-0.2	.....	.....
6.7	L.		II	1 56 41.95	+0.08	-0.02	.....	.....	N.	+ 8 6 37.0	-0.4	-0.9	.....	.....
7.7	P.		II	2 51 26.29	+0.16	+0.08	.....	.....	N.	+13 45 17.4	-0.6	-0.7	.....	.....
8.8	L.		II	3 47 31.67	+0.04	-0.04	.....	.....	N.	+18 31 41.0	-1.0	-0.9	.....	.....
21.2	L.		I	14 7 20.03	+0.50	-0.01	.....	.....	N.	- 9 24 45.5	-2.7	+0.1	.....	.....
22.2	P.		I	14 53 47.35	+0.70	+0.14	.....	.....	N.	-14 7 40.5	-3.1	-0.4	.....	.....
23.2	L.		I	15 42 57.88	+0.77	+0.17	.....	.....	N.	-18 20 2.6	-2.1	+0.1	.....	.....
24.3	P.		I	16 35 40.35	+0.79	+0.14	.....	.....	N.	-21 47 34.7	-1.4	0.0	.....	.....
25.3	L.		I	17 32 20.57	+0.86	+0.20	.....	.....	N.	-24 13 11.8	+0.9	+1.2	15 30.1	-0.3
26.3	P.		I	18 32 43.37	+0.74	+0.08	.....	.....	S.	-25 18 40.9	+1.0	+0.2	.....	.....
27.4	L.		I	19 35 42.64	+0.72	+0.11	.....	.....	S.	-24 48 22.8	+2.5	+0.5	.....	.....
30.5	M.		.	22 43 22.17	+0.42	+0.03	71.20	-0.03	S.	-13 28 45.6	+4.9	+1.8	.....	.....
31.5	P.		II	23 42 1.02	+0.45	+0.13	.....	.....	S.	- 7 18 36.7	+3.3	+0.6	.....	.....
Sept. 1.6	L.		II	0 38 55.48	+0.35	+0.08	.....	.....	N.	- 0 41 19.7	+2.7	+0.5	.....	.....
2.6	M.		II	1 34 59.76	+0.09	-0.14	.....	.....	N.	+ 5 54 4.0	+0.7	-0.8	.....	.....
5.7	M.		II	4 26 47.15	+0.10	-0.07	.....	.....	N.	+21 23 51.7	-0.6	-0.8	.....	.....
6.8	P.		II	5 28 16.05	+0.20	+0.03	.....	.....	N.	+24 7 35.2	-1.5	-1.5	.....	.....
18.1	P.		I	14 37 9.89	+0.58	+0.03	.....	.....	N.	.....	.....	.....	.....	.....
21.2	P.	E.	I	17 9 30.99	+0.84	+0.16	.....	.....	N.	-23 40 19.9	-1.0	-0.3	.....	.....

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correc- tion to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1909														
Sept. 22.3	M.	E.	I	h m s 18 6 58.97	s +0.77	s +0.09	s	s	S.	° ' "	"	"	"	"
23.3	P.		I	19 7 15.50	+0.77	+0.13	.....	.....	S.	-25 28 31.2	+2.5	+0.8	.....	.....
24.3	M.		I	20 9 6.30	+0.76	+0.18	.....	.....	S.	-24 3 31.0	+4.5	+1.8	.....	.....
25.4	P.		I	21 11 2.87	+0.75	+0.25	.....	.....	S.	-21 0 23.7	+4.1	+0.8	.....	.....
26.4	P.		I	22 11 54.79	+0.53	+0.09	.....	.....	S.	-16 27 18.5	+4.6	+1.0	.....	.....
28.5	P.		I	0 9 9.48	+0.47	+0.14	.....	.....	S.	- 4 9 28.3	+6.2	+3.1	.....	.....
29.5	L.		II	1 6 27.03	+0.36	+0.06	.....	.....	S.	+ 2 41 6.4	+3.0	+0.4	16 44.5	-1.1
30.6	P.		II	2 3 59.70	+0.46	+0.17	.....	.....	N.	+ 9 19 20.9	+2.0	0.0	.....	.....
Oct. 1.6	M.		II	3 2 34.62	+0.25	-0.03	.....	.....	N.	+15 16 9.6	0.0	-1.4	.....	.....
2.6	P.		II	4 2 36.27	+0.48	+0.21	.....	.....	N.	+20 6 31.2	-0.5	-1.3	.....	.....
4.7	P.		II	6 5 20.21	+0.39	+0.13	.....	.....	S.	+25 21 30.6	+2.2	+2.2	.....	.....
6.8	M.		II	8 3 48.92	+0.12	-0.14	.....	.....	S.	+24 19 58.9	-1.4	-1.0	.....	.....
7.8	P.		II	8 58 40.66	+0.31	+0.04	.....	.....	S.	+21 49 40.4	-0.4	+0.2	.....	.....
8.9	L.		II	9 50 9.53	+0.20	-0.09	.....	.....	S.	.....	.....	.....	.....	.....
19.2	P.		I	17 47 13.22	+0.90	+0.17	.....	.....	N.	-25 6 37.5	-3.4	-3.4	.....	.....
20.2	M.		I	18 45 29.51	+0.83	+0.12	.....	.....	S.	-25 48 31.5	+1.7	+0.5	.....	.....
22.3	M.		I	20 45 18.81	+0.62	+0.03	.....	.....	S.	-22 40 48.4	+4.8	+1.5	.....	.....
24.4	P.		I	22 42 31.41	+0.63	+0.19	.....	.....	S.	-13 46 54.1	+4.9	+0.9	.....	.....
25.4	M.		I	23 39 21.85	+0.54	+0.15	.....	.....	S.	- 7 42 40.3	+5.7	+1.9	.....	.....
26.4	P.		I	0 35 44.81	+0.53	+0.17	.....	.....	S.	- 1 2 26.3	+5.7	+2.3	.....	.....
27.5	L.		I	1 32 36.65	+0.49	+0.15	.....	.....	S.	+ 5 46 44.9	+4.2	+1.3	.....	.....
28.5	M.		II	2 30 54.50	+0.35	+0.02	.....	.....	S.	+12 15 7.4	+4.0	+1.7	16 40.4	-0.4
29.6	L.		II	3 31 17.76	+0.40	+0.07	.....	.....	N.	+17 52 24.7	+1.6	0.0	.....	.....
30.6	P.		II	4 33 46.59	+0.63	+0.30	.....	.....	N.	+22 11 45.1	+1.2	+0.1	.....	.....
31.6	M.		II	5 37 27.42	+0.25	-0.08	.....	.....	N.	+24 53 58.9	-1.0	-1.6	.....	.....
Nov. 1.7	P.		II	6 40 43.55	+0.49	+0.17	.....	.....	S.	+25 51 48.0	+1.4	+1.3	.....	.....
3.7	M.		II	8 39 17.10	+0.25	-0.06	.....	.....	S.	+23 2 52.2	-0.5	0.0	.....	.....
4.8	L.		II	9 32 50.35	+0.35	+0.04	.....	.....	S.	+19 48 7.3	-2.5	-1.6	.....	.....
19.2	P.		I	21 24 20.72	+0.81	+0.22	.....	.....	S.	-20 27 12.2	+4.2	+0.5	.....	.....
20.3	L.		I	22 20 58.23	+0.67	+0.14	.....	.....	S.	-15 55 58.7	+4.5	+0.3	.....	.....
22.3	M.		I	0 10 23.62	+0.58	+0.14	.....	.....	S.	- 4 10 9.6	+5.7	+1.5	.....	.....
25.5	M.		I	2 58 54.47	+0.53	+0.12	.....	.....	S.	+15 0 47.7	+3.0	+0.4	.....	.....
26.5	L.		I	4 0 1.06	+0.52	+0.10	.....	.....	S.	+20 4 38.6	+1.7	-0.2	16 26.2	-0.7
27.5	P.		II	5 3 44.34	+0.67	+0.25	.....	.....	S.	+23 43 10.4	+1.5	+0.2	16 16.3	-1.1
28.6	M.		II	6 8 40.32	+0.36	-0.05	.....	.....	S.	+25 38 13.4	0.0	-0.7	16 3.2	-1.4
29.6	P.		II	7 12 41.13	+0.52	+0.12	.....	.....	S.	+25 45 15.9	+0.4	+0.2	15 47.5	-2.3
30.7	L.		II	8 13 42.96	+0.43	+0.04	.....	.....	S.	+24 13 39.6	+1.8	+2.1	.....	.....
Dec. 1.7	M.		II	9 10 34.23	+0.35	-0.02	.....	.....	S.	+21 21 41.9	-2.3	-1.6	.....	.....
2.7	P.		II	10 3 5.41	+0.51	+0.15	.....	.....	S.	+17 30 15.6	-1.7	-0.7	.....	.....
3.8	L.		II	10 51 51.01	+0.36	0.00	.....	.....	S.	+12 57 47.5	-1.3	+0.2	.....	.....
4.8	P.		II	11 37 49.57	+0.52	+0.15	.....	.....	S.	+ 7 59 8.2	-1.9	0.0	.....	.....
5.8	M.		II	12 22 6.25	+0.33	-0.06	.....	.....	S.	+ 2 45 59.0	-3.7	-1.3	.....	.....
7.9	M.		II	13 49 59.83	+0.54	+0.07	.....	.....	S.	- 7 45 3.9	-2.7	+0.4	.....	.....
8.9	L.		II	14 35 42.80	+0.64	+0.13	.....	.....	S.	.....	.....	.....	.....	.....
16.1	M.		I	21 7 1.68	+0.73	+0.15	.....	.....	S.	.....	.....	.....	.....	.....
17.2	L.		I	22 4 6.13	+0.65	+0.12	.....	.....	S.	.....	.....	.....	.....	.....
18.2	M.		I	22 59 0.54	+0.50	+0.01	.....	.....	S.	-12 11 23.2	+5.5	+1.3	.....	.....
20.3	M.		I	1 38 17.72	+0.68	+0.21	.....	.....	S.	+ 0 2 52.0	+5.9	+1.9	.....	.....
21.3	P.		I	2 33 23.83	+0.59	+0.10	.....	.....	S.	+ 6 25 59.2	+5.3	+1.6	.....	.....
22.4	L.		I	.....	.....	.....	.....	.....	S.	+12 31 2.0	+3.5	+0.3	.....	.....
24.4	P.		I	4 32 22.00	+0.72	+0.19	.....	.....	S.	+22 8 48.1	+3.1	+1.2	.....	.....
26.5	M.		II	6 40 33.75	+0.55	+0.02	.....	.....	S.	+25 53 17.8	-1.1	-1.6	15 56.7	-0.1
27.6	P.		II	7 43 43.79	+0.59	+0.08	.....	.....	S.	+25 8 3.2	-1.9	-1.8	.....	.....
31.7	M.	E.	II	11 18 20.03	+0.36	-0.07	.....	.....	S.	+10 3 49.0	-2.2	-0.4	.....	.....

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1910				h m s	s	s	s	s		° ' "	"	"	"	"
Jan. 3.8	P.	E.	II	13 31 42.13	+0.72	+0.25	.....	.....	S.	- 5 43 52.2	-3.3	-0.4	.....	.....
15.2	L.		I	23 36 3.89	+0.44	+0.04	.....	.....	S.	- 7 58 49.2	+4.3	+0.8	.....	.....
16.2	P.		I	0 29 5.28	+0.51	+0.11	.....	.....	S.	- 1 42 10.6	+4.9	+1.5	.....	.....
19.3	L.		I	3 10 58.35	+0.62	+0.13	.....	.....	S.	+16 17 52.7	+4.7	+2.2	.....	.....
20.3	M.		I	4 9 17.36	+0.60	+0.07	.....	.....	S.	+20 50 31.7	+0.7	-1.3	.....	.....
22.4	M.		I	6 13 10.29	+0.58	0.00	.....	.....	N.	+25 43 29.9	-0.5	-1.2	.....	.....
23.5	P.		I	7 15 59.47	+0.65	+0.07	.....	.....	N.	+25 40 34.3	-0.8	-0.8	.....	.....
25.5	P.		II	9 14 8.90	+0.74	+0.20	.....	.....		+20 58 40.6	-1.2	-0.2	15 24.5	-0.1
26.6	M.		II	10 7 31.28	+0.50	-0.01	.....	.....	S.	+16 54 39.7	-3.5	-2.0	.....	.....
27.6	P.		II	10 57 12.95	+0.58	+0.09	.....	.....	S.	+12 8 42.3	-1.3	+0.5	.....	.....
29.7	P.		II	12 28 53.82	+0.59	+0.11	.....	.....	S.	+ 1 36 27.3	-2.7	-0.2	.....	.....
30.7	M.		II	13 12 57.60	+0.56	+0.06	.....	.....	S.	- 3 44 38.1	-2.7	0.0	.....	.....
Feb. 1.7	P.		II	14 42 54.95	+0.76	+0.20	.....	.....	S.	-13 46 54.0	-0.2	+2.5	.....	.....
3.8	P.		II	16 21 58.29	+0.91	+0.26	.....	.....	S.	-21 45 53.6	+2.0	+3.7	.....	.....
14.2	P.		I	1 58 12.42	+0.62	+0.23	.....	.....	S.	+ 9 9 46.3	+3.0	+0.4	.....	.....
15.2	P.		I	2 53 47.32	+0.62	+0.20	.....	.....	S.	+14 58 32.1	+1.7	-0.5	.....	.....
16.2	P.		I	3 51 24.18	+0.73	+0.28	.....	.....	S.	+19 50 56.6	+0.9	-0.8	.....	.....
18.3	P.		I	5 52 47.46	+0.62	+0.10	.....	.....		+25 33 51.4	+0.5	0.0	15 45.0	-1.6
19.4	L.		I	6 54 38.26	+0.58	+0.05	.....	.....	N.	+26 1 35.8	-1.9	-1.8	.....	.....
22.5	P.		I	9 46 51.76	+0.64	+0.13	.....	.....	N.	+18 36 17.6	-2.4	-0.9	.....	.....
24.5	P.		II	11 25 8.20	+0.66	+0.17	.....	.....		+ 8 59 8.5	-2.6	-0.4	14 58.7	-0.6
25.6	P.		II	12 10 40.84	+0.63	+0.15	.....	.....	S.	+ 3 37 24.7	-2.0	+0.4	.....	.....
26.6	L.		II	12 55 3.38	+0.57	+0.08	.....	.....	S.	- 1 48 27.3	-1.8	+0.8	.....	.....
3.7	P.		II	16 52 31.82	+0.97	+0.32	.....	.....	S.	-23 40 51.6	+1.4	+2.3	.....	.....
4.8	L.		II	17 48 14.81	+0.90	+0.23	.....	.....		.....	.....	.....	.....	.....
5.8	P.		II	18 46 51.90	+0.83	+0.17	.....	.....		.....	.....	.....	.....	.....
6.9	M.		II	19 47 18.48	+0.71	+0.08	.....	.....		.....	.....	.....	.....	.....
15.2	L.		I	3 30 47.83	+0.57	+0.12	.....	.....		.....	.....	.....	.....	.....
16.2	M.		I	4 31 33.47	+0.62	+0.15	.....	.....	S.	+22 42 56.5	+1.6	+0.4	.....	.....
17.2	L.		I	5 33 48.25	+0.53	+0.04	.....	.....	S.	+25 21 12.0	+1.8	+1.3	.....	.....
18.3	P.		I	6 36 14.75	+0.59	+0.04	.....	.....	N.	+26 18 10.7	-0.9	-0.8	.....	.....
19.3	M.		I	7 37 13.49	+0.52	+0.02	.....	.....	N.	+25 35 51.1	-2.5	-1.9	.....	.....
21.4	M.		I	9 29 54.21	+0.47	-0.01	.....	.....	N.	+20 1 56.5	-2.9	-1.4	.....	.....
22.4	P.		I	10 20 54.16	+0.63	+0.16	.....	.....	N.	+15 44 24.9	-2.0	-0.2	.....	.....
23.5	L.		I	11 8 52.10	+0.53	+0.07	.....	.....	N.	+10 49 18.7	-2.2	-0.1	.....	.....
24.5	M.		I	11 54 36.57	+0.55	+0.09	.....	.....	N.	+ 5 31 36.3	-4.1	-1.7	.....	.....
25.5	P.		II	12 39 2.21	+0.62	+0.16	.....	.....		+ 0 4 29.0	-2.3	+0.3	14 48.7	+0.3
26.5	L.		II	13 23 4.76	+0.58	+0.11	.....	.....	S.	- 5 20 21.8	+0.2	+2.9	.....	.....
27.6	M.		II	14 7 38.99	+0.55	+0.06	.....	.....	S.	-10 32 0.7	-3.4	-0.8	.....	.....
28.6	P.		II	14 53 36.71	+0.66	+0.15	.....	.....	S.	-15 19 17.8	-0.9	+1.5	.....	.....
31.7	P.		II	17 26 20.49	+0.77	+0.18	.....	.....	S.	-25 15 35.6	+2.6	+2.7	.....	.....
13.2	L.		I	5 9 0.09	+0.57	+0.04	.....	.....		.....	.....	.....	.....	.....
14.2	M.		I	6 13 45.47	+0.56	+0.02	.....	.....		.....	.....	.....	.....	.....
19.4	P.		I	10 54 19.87	+0.62	+0.17	.....	.....	N.	+12 31 6.1	-2.5	-0.3	.....	.....
23.5	L.		I	13 52 40.03	+0.52	+0.05	.....	.....	N.	- 8 51 33.6	-2.3	+0.4	.....	.....
25.6	P.		II	15 25 26.92	+0.66	+0.15	.....	.....	S.	-18 16 57.3	-1.0	+1.0	.....	.....
26.6	L.		II	16 15 24.96	+0.66	+0.14	.....	.....	S.	-21 59 16.3	+2.1	+3.4	.....	.....
27.6	M.		II	17 8 11.52	+0.52	0.00	.....	.....	S.	-24 43 42.5	+0.5	+0.9	.....	.....
28.7	P.		II	18 3 32.91	+0.80	+0.29	.....	.....		-26 17 13.5	+0.5	-0.1	15 1.5	+0.1
29.7	L.		II	19 0 43.31	+0.65	+0.17	.....	.....		.....	.....	.....	.....	.....
30.7	P.		II	19 58 37.17	+0.66	+0.22	.....	.....	N.	-25 14 19.5	+2.2	-0.1	.....	.....
May 4.9	M.		II	23 42 13.18	+0.40	+0.04	.....	.....		.....	.....	.....	.....	.....
5.9	P.		II	0 36 46.13	+0.54	+0.17	.....	.....		.....	.....	.....	.....	.....
13.2	P.		I	7 53 46.37	+0.60	+0.04	.....	.....	N.	+25 25 7.7	-3.9	-3.2	.....	.....
14.2	L.	E.	I	8 53 19.39	+0.63	+0.10	.....	.....	N.	+22 43 24.7	-2.4	-1.1	.....	.....

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1910				h m s	s	s	s	s		° ' "	" "	" "	" "	" "
May	15.3	P.	E.	I	9 48 4.19	+0.65	+0.14	.....	N.	+18 52 43.5	-2.5	-0.7	.....	.....
	16.3	M.		I	10 38 29.54	+0.59	+0.10	.....	N.	+14 14 44.9	-3.9	-1.8	.....	.....
	17.3	P.		I	11 25 34.30	+0.65	+0.17	.....	N.	+ 9 7 10.7	-3.3	-0.9	.....	.....
	18.4	L.		I	12 10 26.63	+0.62	+0.15	.....	N.	+ 3 43 46.3	-3.6	-0.8	.....	.....
	19.4	M.		I	12 54 14.88	+0.62	+0.14	.....	N.	- 1 44 12.0	-3.9	-1.0	.....	.....
	21.4	L.		I	14 22 52.20	+0.58	+0.07	.....	N.	-12 13 11.0	-2.0	+0.9	.....	.....
	23.5	M.			15 58 48.14	+0.59	+0.05	65.67	+0.01	-20 52 31.0	-0.7	+1.2	14 47.6	-1.4
	26.6	P.		II	18 42 48.10	+0.77	+0.30	.....		-26 35 37.0	+1.3	+0.4	15 5.4	-0.8
	27.6	L.		II	19 40 33.53	+0.56	+0.15	.....	N.	-25 48 3.6	+2.5	+0.8	.....	.....
	28.7	P.		II	20 37 52.32	+0.56	+0.22	.....	N.	-23 33 59.2	+2.1	-0.4	.....	.....
June	31.8	L.		II	23 21 7.82	+0.24	0.00	.....	N.	- 9 37 1.2	+2.8	-0.3	.....	.....
	3.9	L.		II	2 2 6.57	+0.38	+0.05	.....		.....	.....	.....	.....	.....
	19.4	M.		I	15 41 6.57	+0.73	+0.14	.....		.....	.....	.....	.....	.....
	20.4	L.		I	16 32 25.08	+0.71	+0.11	.....	N.	-23 0 39.6	-1.3	+0.3	.....	.....
	21.5	P.		I	17 26 47.97	+0.88	+0.29	.....		-25 23 48.0	0.0	+0.6	14 59.5	-0.7
	22.5	M.		II	18 23 42.07	+0.72	+0.17	.....	S.	-26 30 0.7	+1.1	+0.7	.....	.....
	23.6	L.		II	19 21 57.63	+0.62	+0.14	.....		-26 9 44.2	+1.2	-0.2	15 15.8	+0.8
	24.6	M.		II	20 20 6.54	+0.47	+0.07	.....		-24 20 26.3	+1.6	-0.5	15 22.5	-0.7
	25.6	L.		II	21 16 53.95	+0.22	-0.10	.....	N.	-21 7 29.3	+2.4	-0.1	.....	.....
	26.7	M.		II	22 11 42.76	+0.04	-0.21	.....		.....	.....	.....	.....	.....
July	27.7	L.		II	23 4 39.17	+0.26	+0.05	.....	N.	-11 20 40.4	+1.6	-1.0	.....	.....
	28.7	M.		II	23 56 23.49	+0.17	-0.02	.....	N.	- 5 18 41.4	+1.3	-1.2	.....	.....
	29.8	L.		II	0 48 0.20	+0.12	-0.07	.....	N.	+ 1 5 46.3	-0.3	-2.6	.....	.....
	9.1	M.		I	9 54 24.91	+0.59	+0.12	.....		.....	.....	.....	.....	.....
	14.3	M.		I	13 49 19.76	+0.64	+0.11	.....	N.	- 8 39 40.6	-3.0	-0.3	.....	.....
	15.3	L.		I	14 34 40.80	+0.72	+0.16	.....	N.	-13 39 50.2	-3.1	-0.5	.....	.....
	19.4	L.		I	18 1 35.42	+0.93	+0.30	.....		.....	.....	.....	.....	.....
	20.5	M.		I	18 59 56.97	+0.74	+0.16	.....	S.	-26 27 47.8	+3.0	+1.8	.....	.....
	21.5	P.			19 59 0.19	+0.68	+0.17	70.93	-0.05	-25 7 53.4	+3.3	+1.3	.....	.....
	22.5	M.		II	20 57 14.95	+0.32	-0.10	.....	S.	-22 18 43.0	+3.0	+0.4	15 33.4	-1.9
Aug.	23.6	P.		II	21 53 39.90	+0.28	-0.06	.....	N.	-18 10 16.3	+2.3	-0.5	.....	.....
	24.6	M.		II	22 47 57.00	+0.16	-0.07	.....	N.	-12 58 18.3	+2.2	-0.6	.....	.....
	25.6	P.		II	23 40 30.62	+0.42	+0.20	.....	N.	- 7 1 26.7	+1.6	-0.9	.....	.....
	26.7	P.		II	0 32 13.29	+0.36	+0.16	.....	N.	- 0 39 14.2	+1.3	-0.8	.....	.....
	27.7	M.		II	1 24 15.06	+0.13	-0.06	.....	N.	+ 5 48 22.0	+0.6	-1.2	.....	.....
	28.7	P.		II	2 17 52.25	+0.20	0.00	.....	N.	+12 0 33.6	0.0	-1.5	.....	.....
	30.8	P.		II	4 14 5.70	+0.37	+0.12	.....	N.	+22 7 3.7	-0.4	-1.2	.....	.....
	31.9	P.		II	5 17 20.60	+0.32	+0.03	.....		.....	.....	.....	.....	.....
	9.2	L.		I	12 46 0.96	+0.52	+0.05	.....		.....	.....	.....	.....	.....
	10.2	P.		I	13 30 41.48	+0.61	+0.11	.....	N.	- 6 42 45.4	-2.3	-0.1	.....	.....
Sept.	11.2	L.		I	14 15 45.84	+0.60	+0.07	.....	N.	-11 54 52.8	-3.9	-1.5	.....	.....
	13.3	L.		I	15 51 1.52	+0.70	+0.09	.....		.....	.....	.....	.....	.....
	16.4	P.		I	18 34 50.63	+0.82	+0.20	.....	S.	-26 41 56.6	+1.2	+0.2	.....	.....
	19.5	L.		I	21 30 42.98	+0.65	+0.22	.....	S.	-19 59 47.8	+3.6	+0.4	.....	.....
	20.5	P.		II	22 26 46.72	+0.37	0.00	.....		-15 2 45.9	+2.8	-0.5	15 56.8	-0.9
	21.6	L.		II	23 21 2.67	+0.31	+0.01	.....	N.	- 9 10 0.8	+2.0	-1.2	.....	.....
	22.6	P.		II	0 14 7.87	+0.42	+0.16	.....	N.	- 2 42 55.8	+1.1	-1.7	.....	.....
	23.6	L.		II	1 7 1.27	+0.32	+0.08	.....	N.	+ 3 55 47.7	-0.1	-2.4	.....	.....
	26.7	P.		II	3 55 34.11	+0.34	+0.11	.....	N.	+21 7 56.0	+0.1	-0.6	.....	.....
	27.8	L.		II	4 57 19.70	+0.17	-0.07	.....	N.	+24 39 31.4	-0.7	-1.0	.....	.....
Sept.	7.1	M.		I	13 57 6.81	+0.56	+0.07	.....		.....	.....	.....	.....	.....
	8.1	P.		I	14 43 2.83	+0.67	+0.13	.....	N.	-15 2 12.1	-6.6	-4.6	.....	.....
	10.2	P.		I	16 20 59.69	+0.86	+0.24	.....		.....	.....	.....	.....	.....
	12.3	P.		I	18 9 40.04	+0.96	+0.32	.....	S.	-26 46 21.4	+0.2	-0.6	.....	.....
	15.4	M.	E.	I	21 3 44.52	+0.70	+0.21	.....	S.	-22 1 58.7	+5.0	+1.5	.....	.....

MOON.

[No correction for personal equation nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correc- tion to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1910														
Sept. 16.4	P.	E.	I	^h ^m ^s 22 0 35.09	^s +0.66	^s +0.23	^s	^s	S.	° ' " -17 35 10.9	" +5.1	" +1.3	"	"
17.5	L.		I	22 55 59.39	+0.59	+0.22			S.	-12 0 17.9	+4.2	+0.4		
20.6	L.		II	1 39 15.34	+0.31	+0.03			N.	+ 8 2 10.7	+1.4	-1.0		
21.6	M.		II	2 35 58.37	+0.16	-0.11			N.	+14 24 2.9	+0.7	-1.1		
22.7	L.		II	3 35 21.20	+0.28	+0.01			N.	+19 50 52.2	+0.8	-0.3		
24.7	M.		II	5 41 50.01	+0.11	-0.15			N.	+26 23 0.7	-0.9	-1.0		
25.8	M.		II	6 46 26.62	+0.10	-0.16			S.	+26 58 50.2	+0.7	+1.0		
26.8	P.		II	7 49 18.75	+0.28	+0.02			S.	+25 47 20.9	+0.2	+0.7		
27.8	L.		II	8 48 48.07	+0.24	-0.03								
28.9	M.		II	9 44 12.95	+0.25	-0.04			S.	+19 3 53.0	-1.8	-0.9		
Oct. 10.2	M.		I	18 43 23.41	+0.85	+0.19			S.	-27 5 58.6	+0.5	-0.9		
11.3	P.		I	19 40 24.55	+0.86	+0.24			S.	-26 10 6.6	+3.1	+0.4		
12.3	L.		I	20 37 22.49	+0.93	+0.37			S.	-23 47 23.6	+4.9	+1.5		
14.4	P.		I	22 28 28.10	+0.61	+0.18			S.	-15 2 10.4	+4.4	0.0		
15.4	M.		I	23 22 33.95	+0.59	+0.21			S.	- 9 2 36.6	+6.1	+1.8		
16.4	P.		I	0 16 30.41	+0.62	+0.27			S.	- 2 21 32.2	+5.4	+1.4		
17.5	M.		I	1 11 19.10	+0.41	+0.08			S.	+ 4 37 54.7	+4.5	+1.1		
18.5	P.		II	2 8 9.17	+0.38	+0.06				+11 27 53.7	+2.7	0.0	16 39.8	-0.8
20.6	M.		II	4 11 13.55	+0.26	-0.04			N.	+22 33 13.0	+0.6	-0.5		
22.7	P.		II	6 24 6.56	+0.32	+0.05				+27 8 13.1	+1.1	+1.1	16 9.9	-1.6
23.7	M.		II	7 29 24.42	+0.19	-0.07			S.	+26 30 36.6	0.0	+0.3		
24.8	P.		II	8 31 2.30	+0.36	+0.11			S.	+24 10 30.7	-0.2	+0.4		
25.8	L.		II	9 28 2.17	+0.24	-0.02			S.	+20 30 3.8	+0.9	+1.6		
26.8	M.		II	10 20 32.69	+0.32	+0.05								
27.9	P.		II	11 9 22.27	+0.39	+0.09								
Nov. 28.9	L.		II	11 55 35.50	+0.33	0.00								
7.2	M.		I	19 19 32.85	+0.87	+0.21								
8.2	P.		I	20 15 30.75	+0.97	+0.35			S.	-24 57 25.3	+5.4	+2.3		
9.2	L.		I	21 10 31.55	+0.87	+0.30			S.	-21 48 58.3	+3.9	0.0		
11.3	P.		I	22 56 52.43	+0.71	+0.23			S.	-12 4 2.9	+6.5	+1.7		
16.5	M.		II	3 37 4.14	+0.56	+0.16	74.59	-0.07		+20 6 46.4	+2.6	+0.4	16 46.8	+0.2
17.5	P.		II	4 43 26.52	+0.54	+0.16			N.	+24 24 38.4	+1.3	0.0		
19.6	P.		II	7 1 26.33	+0.34	+0.03				+27 2 15.7	+2.2	+2.2	16 18.5	-1.9
20.7	M.		II	8 7 11.76	+0.22	-0.06			S.	+25 18 24.6	-0.5	-0.2		
22.7	L.		II	10 3 14.87	+0.35	+0.09			S.	+17 32 30.9	-0.8	-0.2		
Dec. 25.8	L.		II	12 26 16.72	+0.35	+0.02			S.	+ 1 8 16.7	-2.6	-1.2		
7.2	L.		I	21 45 36.28	+0.77	+0.22			S.	-19 2 27.6	+5.0	+0.8		
8.2	M.		I	22 37 10.65	+0.77	+0.25			S.	-14 7 35.0	+6.8	+2.0		
9.3	P.		I	23 27 43.35	+0.74	+0.24			S.	- 8 24 12.4	+6.7	+1.6		
11.3	P.		I	1 9 58.88	+0.71	+0.21			S.	+ 4 30 23.1	+5.8	+1.1		
12.4	P.		I	2 4 23.30	+0.78	+0.27			S.	+11 4 46.7	+4.7	+0.6		
13.4	M.		I	3 2 48.98	+0.61	+0.09			S.	+17 10 27.3	+5.1	+1.8		
14.4	L.		I	4 6 8.72	+0.60	+0.08				+22 14 31.6	+1.2	-1.2	16 42.6	+0.1
15.5	M.		I	5 14 3.09	+0.70	+0.19				+25 42 20.7	+0.9	-0.4	16 41.5	-0.8
16.5	P.		II	6 24 26.77	+0.59	+0.12			N.	+27 6 58.6	-0.5	-1.0		
17.6	L.		II	7 33 55.80	+0.32	-0.10			S.	+26 21 1.4	+1.5	+1.6		
19.7	P.		II	9 39 11.68	+0.33	0.00			S.	+19 31 2.3	-1.7	-1.1		
20.7	L.		II	10 33 29.68	+0.27	-0.04			S.	+14 26 36.8	-1.6	-0.9		
22.8	P.								S.	+ 3 4 32.7	-2.6	-1.6		
24.8	P.		II	13 39 26.60	+0.51	+0.13			S.	- 8 12 55.8	-2.4	-0.8		
26.9	P.		II	15 11 23.71	+0.59	+0.11								
1911														
Jan. 4.1	L.		I	22 21 21.40	+0.58	+0.10								
5.2	M.		I	23 11 40.40	+0.67	+0.21								
6.2	P.	E.	I	0 1 9.10	+0.55	+0.09			S.	- 4 2 59.4	+6.1	+1.5		

MOON.

[No correction for personal equation, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correc- tion to Am. Eph.	
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.			
1911															
Jan.	7.2	L.	E.	I	h m s	s	s	s	S.	+ 2 18 44.2	+4.6	+0.1	..	..
	8.3	P.		I	1 42 23.68	+0.72	+0.20	.....	S.	+ 8 42 40.1	+5.1	+0.9	..	..
	9.3	M.		I	2 36 55.15	+0.67	+0.12	.....	S.	+14 48 13.0	+4.1	+0.4	..	..
	10.3	P.		I	3 35 46.15	+0.92	+0.33	.....	S.	+20 9 53.5	+3.5	+0.6	..	..
	15.6	M.		II	9 8 30.42	+0.49	+0.01	.....	.	+21 42 20.5	-2.1	-1.1	16 8.9	-0.8
	16.6	P.		II	10 6 44.16	+0.51	+0.07	.....	S.	+16 54 30.5	-3.1	-2.0	..	..
	19.7	P.		II	12 35 54.99	+0.51	+0.12	.....	S.	- 0 30 29.1	-2.6	-1.3	..	..
	23.8	P.		II	15 41 36.14	+0.78	+0.27	.....	S.	-20 43 23.1	-0.8	+0.4	..	..
	24.8	L.		II	16 32 29.30	+0.80	+0.25	.....	..	..	..	..	..	..
	Feb.	3.2	P.	.	.....	.....	.....	.....	S.	+ 0 37 40.6	+4.2	+0.4	..	..
	4.2	L.		I	1 26 13.66	+0.58	+0.15	.....	S.	+ 7 2 32.3	+4.0	+0.4	..	..
	5.2	P.		I	2 18 56.48	+0.76	+0.28	.....	S.	+13 11 24.8	+3.2	0.0	..	..
	7.3	P.		I	4 15 11.43	+0.77	+0.20	.....	S.	+23 9 58.9	+2.7	+0.9	..	..
	10.4	P.		I	7 33 38.67	+0.73	+0.13	.....	N.	+26 22 43.9	-0.7	0.0	..	..
	12.5	P.		.	9 38 23.31	+0.76	+0.23	70.55	+0.01	N.	+19 21 48.3	-2.0	-0.4
	13.5	P.		II	10 33 54.23	+0.67	+0.17	.....	..	+14 4 0.0	-2.8	-1.0	15 49.8	+0.5
	18.7	P.		II	14 33 11.66	+0.77	+0.27	.....	S.	-14 50 25.7	-1.5	+0.1	..	..
	20.8	P.		II	16 11 15.79	+0.91	+0.35	.....	S.	-23 3 25.4	+1.3	+2.1	..	..
	22.8	M.		II	17 58 30.86	+0.85	+0.26	.....	..	..	..	..	..	..
	Mar.	6.2	M.	I	3 56 36.96	+0.65	+0.16	.....	S.	+22 13 31.6	+0.2	-1.5	..	..
	8.3	L.		I	6 4 42.76	+0.74	+0.21	.....	N.	+27 20 23.1	-1.3	-1.3	..	..
	9.3	M.		I	7 10 34.59	+0.59	+0.06	.....	N.	+27 5 52.2	-2.4	-1.8	..	..
	10.4	P.		I	8 14 33.32	+0.74	+0.22	.....	N.	+24 59 50.8	-1.9	-0.6	..	..
	11.4	L.		I	9 14 53.21	+0.61	+0.10	.....	N.	+21 18 53.5	-2.5	-0.9	..	..
	15.5	L.		II	12 39 33.09	+0.51	+0.02	.....	S.	- 1 22 1.8	-1.6	+0.6	..	..
	16.6	P.		II	13 25 59.47	+0.69	+0.19	.....	S.	- 7 18 25.3	-2.8	-0.7	..	..
	18.6	P.		II	15 0 23.07	+0.76	+0.22	.....	S.	-17 44 51.1	-1.1	+0.5	..	..
	20.7	P.		II	16 41 36.63	+0.91	+0.33	.....	S.	-24 58 28.9	+1.4	+1.8	..	..
	21.7	L.		II	17 35 25.84	+0.91	+0.31	.....	S.	-26 55 53.7	+1.6	+1.2	..	..
	23.8	P.		II	19 27 0.34	+0.84	+0.26	.....	N.	-26 50 9.6	+1.3	-1.0	..	..
Apr.	24.8	L.		II	20 22 50.80	+0.80	+0.26	.....	..	..	..	..	..	..
	9.4	L.	E.	I	10 45 27.39	+0.54	+0.10	.....	N.	+12 54 17.7	-3.1	-1.1	..	..
	10.4	M.		I	11 34 35.37	+0.57	+0.12	.....	N.	+ 7 2 43.2	-4.6	-2.6	..	..

MERCURY.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1903												
Sept. 5.1	L.	W.	C.	<div>h m s</div> <div>12 29 0.20</div>	<div>s</div> <div>-0.01</div>	<div>s</div> <div>.....</div>	<div>s</div> <div>.....</div>	C.	<div>° ' "</div> <div>- 5 32 4.9</div>	<div>"</div> <div>+1.7</div>	<div>"</div> <div>.....</div>	<div>"</div> <div>.....</div>
7.1	L.		C.	<div>12 35 55.05</div>	<div>+0.07</div>	<div>.....</div>	<div>.....</div>	C.	<div>- 6 35 17.3</div>	<div>+0.6</div>	<div>.....</div>	<div>.....</div>
10.1	L.		I	<div>12 45 4.78</div>	<div>-0.03</div>	<div>.....</div>	<div>.....</div>	C.	<div>- 8 0 26.9</div>	<div>-0.4</div>	<div>.....</div>	<div>.....</div>
14.1	L.		I	<div>12 54 32.24</div>	<div>-0.08</div>	<div>.....</div>	<div>.....</div>	C.	<div>- 9 31 22.4</div>	<div>-0.1</div>	<div>.....</div>	<div>.....</div>
15.1	R.		I	<div>12 56 18.52</div>	<div>+0.03</div>	<div>.....</div>	<div>.....</div>	C.	<div>- 9 49 10.0</div>	<div>-1.0</div>	<div>.....</div>	<div>.....</div>
16.1	L.		I	<div>12 57 48.16</div>	<div>-0.10</div>	<div>.....</div>	<div>.....</div>	C.	<div>-10 4 36.2</div>	<div>+0.9</div>	<div>.....</div>	<div>.....</div>
21.0	R.		C.	<div>13 0 27.62</div>	<div>-0.05</div>	<div>.....</div>	<div>.....</div>	C.	<div>-10 39 54.9</div>	<div>-0.8</div>	<div>.....</div>	<div>.....</div>
Oct. 12.0	L.		C.	<div>12 11 40.05</div>	<div>+0.07</div>	<div>.....</div>	<div>.....</div>	C.	<div>- 0 33 25.7</div>	<div>+1.4</div>	<div>.....</div>	<div>.....</div>
13.0	Br.		II	<div>12 12 26.14</div>	<div>+0.14</div>	<div>.....</div>	<div>.....</div>	C.	<div>- 0 21 58.1</div>	<div>+1.2</div>	<div>.....</div>	<div>.....</div>
13.9	R.	W.	II	<div>12 13 48.48</div>	<div>-0.02</div>	<div>.....</div>	<div>.....</div>	C.	<div>- 0 16 6.5</div>	<div>+0.5</div>	<div>.....</div>	<div>.....</div>

MERCURY.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1903				h m s	s	"	s		° ' "	"	"	"
Oct. 18.9	L.	W.	II	12 28 32.69	+0.05	....	....	C.	- 1 2 25.9	+1.7	....	....
19.9	Br.			....	....	....	....	C.	- 1 24 23.3	+1.1	....	....
20.9	R.			....	....	....	....	C.	- 1 49 37.2	+0.8	....	....
21.9	L.			....	....	....	....	C.	- 2 17 42.9	+1.1	....	....
25.9	L.		II	13 3 15.11	+0.04	....	....	C.	- 4 31 30.9	+0.4	....	....
28.0	R.		C.	13 14 39.76	+0.12	....	....	C.	- 5 46 49.7	+1.0	....	....
29.0	L.		II	13 20 29.89	+0.05	....	....	C.	- 6 25 41.4	+1.1	....	....
Nov. 3.0	Br.		C.	13 50 30.34	+0.02	....	....	C.	- 9 44 41.0	+2.0	....	....
5.0	L.			14 2 45.24	+0.05	0.22	+0.05	C.	-11 3 57.8	+0.9	....	....
9.0	L.			14 27 30.53	+0.11	0.23	+0.06	C.	-13 37 45.9	+1.7	....	....
12.0	L.		C.	14 46 15.92	+0.03	....	....	C.	-15 27 5.0	+1.0	....	....
Dec. 18.0	M.		C.	18 46 8.68	-0.10	....	....	C.	-25 16 49.9	+0.7	....	....
23.1	R.		C.	19 18 56.96	+0.02	....	....	C.	-24 20 16.7	-0.2	....	....
30.1	R.		C.	19 58 31.54	-0.07	....	....	C.	-22 5 36.8	-0.4	....	....
1904												
Feb. 10.9	Br.		C.	19 50 23.79	+0.16	....	....	C.	-20 41 0.6	+0.5	....	....
14.9	M.		C.	20 9 58.41	+0.03	....	....	C.	-20 23 21.5	+0.6	....	....
22.9	Br.		C.	20 54 10.02	+0.11	....	....	C.	-18 48 20.8	+1.2	....	....
Mar. 4.0	M.		C.	21 54 44.50	0.00	....	....	C.	-14 53 40.1	+0.1	....	....
5.0	R.		C.	22 1 1.13	+0.06	....	....	C.	-14 23 3.8	+0.4	....	....
10.0	M.		C.	22 32 55.49	+0.05	....	....	C.	-11 30 45.6	+2.5	....	....
16.0	M.		C.	23 12 26.07	-0.01	....	....	C.	- 7 22 27.1	-0.1	....	....
19.0	M.		C.	23 32 46.02	+0.12	....	....	C.	- 5 1 59.6	-2.1	....	....
Apr. 2.0	M.		C.	1 13 21.29	-0.06	....	....	C.	+ 7 38 53.7	+0.4	....	....
4.0	R.		C.	1 28 9.66	-0.04	....	....	C.	+ 9 31 10.4	-0.9	....	....
5.0	Br.		C.	1 35 31.27	+0.10	....	....	C.	+10 26 12.6	+0.9	....	....
16.0	M.		C.	2 43 17.35	-0.01	....	....	C.	+18 37 51.3	-1.7	....	....
18.1	R.		C.	2 58 42.23	-0.10	....	....	C.	+19 36 18.3	-0.4	....	....
20.1	M.		C.	3 7 55.47	-0.05	....	....	C.	+20 23 55.1	-0.8	....	....
25.0	R.			....	....	....	....	C.	+21 35 46.0	+0.3	....	....
June 5.9	Br.		II	3 22 45.66	+0.06	....	....	C.	+14 41 45.8	-1.1	....	....
7.9	Br.		II	3 29 34.10	-0.03	....	....	C.	+15 16 6.4	+0.3	....	....
8.9	R.		C.	3 33 20.41	+0.09	....	....	C.	+15 35 13.8	-1.1	....	....
10.9	M.		C.	3 41 36.34	+0.12	....	....	C.	+16 16 58.5	-0.2	....	....
12.9	R.		C.	3 50 49.82	-0.03	....	....	C.	+17 2 32.3	0.0	....	....
13.9	Br.		C.	3 55 48.48	+0.14	....	....	C.	+17 26 27.3	-0.6	....	....
14.9	M.		C.	4 1 1.41	+0.05	....	....	C.	+17 50 59.1	-0.4	....	....
19.9	R.		C.	4 30 47.73	+0.11	....	....	C.	+19 58 0.3	0.0	....	....
21.9	M.		C.	4 44 27.23	0.00	....	....	C.	+20 48 6.0	-1.8	....	....
22.9	R.		C.	4 51 39.77	+0.03	....	....	C.	+21 12 23.1	-0.3	....	....
24.0	Br.		II	4 59 7.42	+0.07	....	....	C.	+21 35 51.8	-0.7	....	....
25.0	M.		C.	5 6 49.69	-0.14	....	....	C.	+21 58 22.4	-0.9	....	....
July 2.0	M.			....	....	....	....	C.	+23 51 59.7	-0.1	....	....
5.0	Br.			....	....	....	....	C.	+24 7 1.5	+0.7	....	....
14.0	R.		C.	7 59 10.10	+0.04	....	....	C.	+22 25 14.6	+0.5	....	....
18.0	M.		C.	8 33 18.03	-0.12	....	....	C.	+20 39 44.9	+0.4	....	....
19.0	Br.		C.	8 41 23.82	+0.05	....	....	C.	+20 9 9.3	0.0	....	....
21.0	M.		C.	8 57 2.60	+0.08	....	....	C.	+19 3 53.2	-0.8	....	....
26.1	Br.		C.	9 33 3.06	+0.03	....	....	C.	+16 2 50.4	+0.7	....	....
27.1	T.		C.	9 39 44.45	-0.02	....	....	C.	+15 24 24.9	-0.2	....	....
29.1	Br.		I	9 52 38.39	-0.01	....	....	C.	+14 6 9.0	-0.7	....	....
30.1	M.		C.	9 58 51.30	-0.03	....	....	C.	+13 26 28.7	-0.2	....	....
Aug. 3.1	T.		C.	10 22 13.97	-0.04	....	....	C.	+10 45 48.4	-1.0	....	....
10.1	T.	W.	C.	10 57 47.91	+0.02	....	....	C.	+ 6 7 10.0	+0.9	....	....
Sept. 29.9	M.	E.	C.	11 22 8.67	+0.02	....	....	C.	+ 5 14 4.2	+1.0	....	....

MERCURY.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1904				h m s	s	s	"		° ' "	"	"	"
Sept. 30.9	T.	E.	C.	11 25 48.32	+0.01	....	....	C.	+ 5 2 39.5	-0.3	....	....
Oct. 3.9	Br.		II	11 39 7.54	+0.16	....	....	C.	+ 4 4 13.8	+0.8	....	....
5.0	M.		C.	11 44 11.63	+0.01	....	....	C.	+ 3 37 40.8	-0.6	....	....
7.0	Br.		II	11 55 2.02	+0.11	....	....	C.	+ 2 36 4.2	-0.2	....	....
10.0	M.		II	12 12 30.78	+0.05	....	....	C.	+ 0 47 5.3	-0.6	....	....
14.0	Br.		C.	12 37 1.45	-0.02	....	....	C.	- 1 57 18.2	-0.7	....	....
15.0	Y.		II	12 43 15.19	+0.09	....	....	C.	- 2 40 14.9	+1.7	....	....
17.0	M.		C.	12 55 45.12	+0.04	....	....	C.	- 4 7 16.5	+0.3	....	....
18.0	Br.		C.	13 2 0.60	-0.05	....	....	C.	- 4 51 1.6	0.0	....	....
19.0	M.		C.	13 8 16.34	+0.09	....	....	C.	- 5 34 47.0	-0.2	....	....
Nov. 15.0	Br.		C.	15 57 35.82	-0.05	....	....	C.	-21 46 48.0	+1.7	....	....
16.0	M.		C.	16 4 2.30	-0.03	....	....	C.	-22 10 41.3	-0.3	....	....
17.0	Y.		C.	16 10 30.09	+0.13	....	....	C.	-22 33 23.4	+2.8	....	....
21.0	M.		C.	16 36 31.14	-0.02	....	....	C.	-23 52 59.5	-1.1	....	....
Dec. 13.4	Br.		C.	18 51 54.47	+0.01	....	....	C.	-24 50 14.4	+0.6	....	....
16.1	M.		C.	19 4 12.35	-0.01	....	....	C.	-24 8 32.0	-0.1	....	....
21.1	M.		C.	19 14 21.70	-0.07	....	....	C.	-22 46 34.6	+0.5	....	....
22.0	Br.		C.	19 14 19.30	-0.03	....	....	C.	-22 29 53.1	+1.7	....	....
1905												
Jan. 13.9	M.		C.	18 6 40.14	+0.05	....	....	C.	-20 53 51.6	+1.5	....	....
15.9	Y.		C.	18 11 2.96	+0.11	....	....	C.	-21 11 38.8	+1.6	....	....
16.9	Br.		II	18 13 50.54	+0.04	....	....	C.	-21 20 32.3	+2.2	....	....
19.9	Br.		II	18 24 13.00	+0.25	....	....	C.	-21 45 40.7	-0.1	....	....
Feb. 14.0	Br.		C.	20 44 16.50	+0.12	....	....	C.	-19 50 8.6	+0.1	....	....
16.0	Y.		C.	20 57 11.46	-0.01	....	....	C.	-19 7 33.0	+2.0	....	....
24.0	Br.		C.	21 49 51.07	+0.18	....	....	C.	-15 23 9.3	-0.8	....	....
Mar. 17.0	Br.		C.	0 15 3.65	+0.07	....	....	C.	+ 0 57 14.9	+1.1	....	....
18.0	M.		C.	0 22 6.53	-0.05	....	....	C.	+ 1 53 57.4	+1.3	....	....
25.0	M.		C.	1 9 32.80	+0.01	....	....	C.	+ 8 21 8.1	-1.1	....	....
28.0	Br.		I	1 27 42.92	-0.13	....	....	C.	+10 48 46.5	+0.1	....	....
29.0	M.		C.	1 33 18.78	-0.12	....	....	C.	+11 33 47.9	-0.3	....	....
31.0	Br.		C.	1 43 40.95	0.00	....	....	C.	+12 56 25.7	0.0	....	....
Apr. 3.0	Y.		C.	1 56 51.86	-0.17	....	....	C.	+14 39 28.1	+0.5	....	....
May 18.9	Br.		C.	2 7 16.76	+0.09	....	....	C.	+ 9 14 27.2	-0.8	....	....
19.9	M.		C.	2 10 40.07	+0.12	....	....	C.	+ 9 32 1.3	-0.4	....	....
21.9	HI.		II	2 18 2.61	+0.06	....	....	C.	+10 12 0.2	-0.1	....	....
22.9	Br.		C.	2 22 1.59	+0.11	....	....	C.	+10 34 13.2	-1.3	....	....
26.9	M.		C.	2 39 51.79	+0.12	....	....	C.	+12 16 5.6	-1.1	....	....
June 1.9	Br.		C.	3 12 19.44	+0.04	....	....	C.	+15 17 56.4	-1.3	....	....
2.9	HI.		II	3 18 25.27	+0.11	....	....	C.	+15 50 27.5	0.0	....	....
4.9	M.		C.	3 31 13.64	+0.08	....	....	C.	+16 56 23.3	-0.2	....	....
5.9	Br.		C.	3 37 56.66	+0.05	....	....	C.	+17 29 33.9	-1.1	....	....
9.0	Br.		C.	3 59 23.59	+0.13	....	....	C.	+19 8 27.2	-0.2	....	....
10.0	HI.		II	4 6 58.67	-0.10	....	....	C.	+19 40 41.1	+0.6	....	....
13.0	Br.		II	4 31 3.81	+0.07	....	....	C.	+21 12 43.1	-0.5	....	....
19.0	Br.	E.	C.	5 24 35.93	-0.07	....	....	C.	+23 38 25.9	-0.2	....	....
Nov 4.0	Bs.	W.	I	15 31 37.48	+0.15	....	....	C.	-20 39 31.9	-0.8	....	....
11.0	HI.		C.	16 14 29.52	+0.19	....	....	C.	-23 23 8.8	+1.0	....	....
17.0	Br.		C.	16 50 43.12	+0.12	....	....	C.	-24 57 20.8	-0.6	....	....
21.1	Br.		C.	17 13 46.46	0.00	....	....	C.	-25 33 33.2	+2.0	....	....
22.1	Bs.		C.	17 19 17.03	+0.20	....	....	C.	-25 39 6.3	+1.4	....	....
23.1	HI.		C.	17 24 38.83	+0.12	....	....	C.	-25 43 12.0	+1.5	....	....
27.1	HI.		C.	17 44 9.38	+0.10	....	....	C.	-25 44 58.5	+0.1	....	....
Dec. 6.0	Bs.		C.	18 5 33.85	-0.07	....	....	C.	-24 24 56.0	+2.3	....	....
7.0	HI.	W.	C.	18 4 48.08	-0.07	....	....	C.	-24 9 20.5	+1.6	....	....

MERCURY.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1905				h m s	s	s	s		° ' "	"	"	"
Dec. 22.0	Bs.	W.	II	17 0 19.28	+0.14	....	....	C.	-19 42 57.7	[+4.5]	....	....
25.9	HI.		C.	16 56 17.51	+0.11	....	....	C.	-19 41 26.0	+2.1	....	....
29.9	HI.		II	17 2 11.21	0.00	....	....	C.	-20 13 40.6	+1.8	....	....
1906												
Jan. 5.9	HI.		II	17 27 54.56	+0.03	....	....	C.	-21 40 43.4	+0.7	....	....
9.9	Bs.		C.	17 47 52.96	+0.13	....	....	C.	-22 27 10.7	+1.3	....	....
18.9	Br.		C.	18 40 12.73	+0.14	....	....	C.	-23 24 25.1	+0.6	....	....
29.0	Bs.		C.	19 44 43.32	+0.04	....	....	C.	-22 39 5.3	+0.4	....	....
Mar. 6.0	Br.		I	23 51 25.82	-0.11	....	....	C.	- 1 12 52.9	-0.3	....	....
12.0	Bs.			....	....	....	....	C.	+ 4 2 46.4	0.0	....	....
22.0	Bs.		C.	1 3 42.69	-0.01	....	....	C.	+ 9 58 7.7	+0.6	....	....
23.0	Br.		C.	1 5 0.07	+0.01	....	....	C.	+10 14 30.4	+0.2	....	....
Apr. 17.9	Bs.		C.	0 29 0.72	+0.16	....	....	C.	+ 2 15 42.8	+1.0	....	....
26.9	Br.		C.	0 42 54.80	+0.10	....	....	C.	+ 1 58 27.8	0.0	....	....
27.9	Bs.		C.	0 45 39.04	+0.05	....	....	C.	+ 2 8 13.5	+0.1	....	....
29.9	Bs.		C.	0 51 43.72	+0.06	....	....	C.	+ 2 33 50.4	+0.2	....	....
June 15.0	Br.		C.	6 8 41.86	+0.09	....	....	C.	+25 5 44.8	+0.3	....	....
22.0	Br.		C.	7 10 20.83	+0.04	....	....	C.	+24 26 23.3	-0.3	....	....
26.1	Br.		C.	7 41 31.92	-0.05	....	....	C.	+23 17 39.3	+0.8	....	....
28.1	HI.		C.	7 55 54.22	+0.06	....	....	C.	+22 34 0.4	+0.8	....	....
29.1	Br.		C.	8 2 46.72	0.00	....	....	C.	+22 10 17.3	+0.1	....	....
July 30.1	Bs.		C.	8 9 27.01	+0.07	....	....	C.	....	....	....	....
5.1	HI.		I	8 39 43.16	-0.10	....	....	C.	+19 28 49.6	0.0	....	....
7.1	Bs.		I	8 50 24.22	+0.15	....	....	C.	+18 30 11.2	+0.1	....	....
9.1	HI.		I	9 0 15.74	-0.05	....	....	C.	+17 30 27.0	+0.3	....	....
Sept. 4.0	Br.		C.	9 49 18.79	+0.13	....	....	C.	+14 12 1.9	+0.6	....	....
7.0	Br.		C.	10 8 49.00	+0.16	....	....	C.	+12 55 25.2	+1.0	....	....
11.0	P.		II	10 36 39.46	-0.18	....	....	C.	+10 37 47.6	+0.6	....	....
Oct. 9.0	P.		C.	13 37 54.36	+0.02	....	....	C.	-10 21 8.9	+0.8	....	....
11.0	Br.		C.	13 49 35.92	+0.10	....	....	C.	-11 42 3.9	+0.8	....	....
12.0	HI.		C.	13 55 24.99	+0.05	....	....	C.	-12 21 31.0	+0.6	....	....
13.0	P.		C.	14 1 13.18	+0.06	....	....	C.	-13 0 16.3	-0.2	....	....
15.0	HI.	W.	C.	14 12 47.16	+0.14	....	....	C.	-14 15 32.7	+0.9	....	....
1907												
Apr. 19.9	P.	E.	II	0 13 42.41	+0.05	....	....		....	....	....	....
23.9	P.		C.	0 32 52.81	+0.01	....	....	C.	+ 0 32 0.3	0.0	....	....
24.9	M.		C.	0 37 57.90	+0.04	....	....	C.	+ 1 4 9.7	-0.9	....	....
25.9	HI.		C.	0 43 9.87	+0.12	....	....	C.	+ 1 37 32.2	-0.3	....	....
May 2.9	HI.		C.	1 22 45.64	+0.11	....	....	C.	+ 6 0 54.5	+0.6	....	....
3.9	P.		C.	1 28 53.43	-0.10	....	....	C.	+ 6 42 14.4	+0.4	....	....
10.0	HI.		C.	2 8 30.22	+0.12	....	....	C.	+11 4 27.9	-0.6	....	....
11.0	P.		C.	2 15 36.66	+0.05	....	....	C.	+11 49 53.1	-0.1	....	....
13.0	M.		C.	2 30 18.05	+0.14	....	....	C.	+13 21 21.4	-0.4	....	....
14.0	HI.		C.	2 37 53.27	+0.13	....	....	C.	+14 7 13.3	+1.2	....	....
17.0	HI.		C.	3 1 38.72	+0.17	....	....	C.	+16 23 29.9	+1.5	....	....
18.0	P.		C.	3 9 53.63	+0.02	....	....	C.	+17 7 58.4	+0.8	....	....
21.0	HI.		C.	3 35 35.49	+0.12	....	....	C.	+19 16 2.9	+1.5	....	....
June 15.1	P.		C.	7 8 29.22	+0.01	....	....	C.	+24 24 52.9	+1.0	....	....
19.1	M.		C.	7 33 2.72	+0.03	....	....	C.	+23 16 12.5	+0.1	....	....
24.1	M.		C.	7 58 28.73	-0.08	....	....	C.	+21 30 29.2	-1.0	....	....
July 1.1	P.		I	8 23 36.74	-0.02	....	....	C.	+18 49 14.4	+0.9	....	....
Aug. 15.0	P.		II	8 21 13.18	+0.20	....	....	C.	+18 56 12.7	+1.2	....	....
17.0	P.		II	8 32 22.23	+0.17	....	....	C.	+18 47 16.6	+1.8	....	....
19.0	HI.		II	8 44 52.80	-0.13	....	....	C.	+18 27 40.0	+1.0	....	....
20.0	P.	E.	II	8 51 34.50	+0.09	....	....	C.	+18 13 40.8	+0.9	....	....

MERCURY.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1907				h m s	s	s	s		° ' "	"	"	"
Aug. 21.0	Hl.	E.	II	8 58 30.68	+0.09	....	....	C.	+17 56 51.4	+0.4	....	....
24.0	P.		II	9 20 26.59	+0.05	....	....	C.	+16 49 42.6	+1.4	....	....
26.0	Hl.		II	9 35 38.86	-0.14	....	....	C.	+15 51 50.6	+1.4	....	....
29.0	M.		C.	9 58 43.63	+0.17	....	....	C.	+14 8 10.5	-0.2	....	....
Sept. 13.0	Hl.		I	11 45 22.70	0.00	....	....	C.	+ 2 55 53.4	+1.0	....	....
14.0	P.		C.	11 51 46.72	+0.04	....	....	C.	+ 2 8 27.9	+0.4	....	....
21.0	M.		C.	12 34 34.35	+0.06	....	....	C.	- 3 16 43.1	-1.1	....	....
24.0	Hl.		.	....	....	....	....	C.	- 5 30 21.7	+0.2	....	....
25.0	P.		.	....	....	....	....	C.	- 6 13 55.2	+1.3	....	....
Oct. 1.0	Hl.		C.	13 31 16.20	-0.01	....	....	C.	-10 23 25.2	+0.4	....	....
2.0	P.		I	13 36 44.00	+0.02	....	....	C.	-11 2 49.1	-0.8	....	....
5.0	P.		I	13 52 55.83	+0.09	....	....	C.	-12 56 42.7	-0.2	....	....
7.0	M.		I	14 3 33.96	+0.10	....	....	C.	-14 8 53.3	-0.4	....	....
8.0	P.		I	14 8 50.04	+0.14	....	....	C.	-14 43 46.7	-1.1	....	....
9.0	M.		I	14 14 3.80	+0.02	....	....	C.	-15 17 47.7	+0.1	....	....
10.0	P.		I	14 19 15.35	-0.01	....	....	C.	-15 50 58.0	+0.1	....	....
11.0	Hl.		C.	14 24 24.56	+0.12	....	....	C.	-16 23 14.0	+0.3	....	....
15.0	Hl.		C.	14 44 31.01	+0.08	....	....	C.	-18 22 36.8	+1.2	....	....
16.1	P.		I	14 49 23.36	-0.02	....	....	C.	-18 49 52.8	-0.4	....	....
17.1	M.		I	14 54 11.30	+0.05	....	....	C.	-19 15 58.9	+0.1	....	....
19.1	P.		I	15 3 30.90	-0.05	....	....	C.	-20 4 36.9	+0.2	....	....
23.1	P.		I	15 20 44.26	+0.10	....	....	C.	-21 25 54.1	+1.6	....	....
24.1	M.		I	15 24 38.66	+0.05	....	....	C.	-21 42 30.7	+1.1	....	....
25.1	P.		I	15 28 21.04	+0.08	....	....	C.	-21 57 28.4	-0.3	....	....
26.1	Hl.		C.	15 31 49.75	+0.10	....	....	C.	-22 10 38.1	+1.0	....	....
29.1	Hl.		C.	15 40 35.03	-0.02	....	....	C.	-22 38 28.3	+1.4	....	....
Nov. 24.9	M.		C.	14 48 38.46	+0.03	....	....	C.	-13 36 37.4	+0.1	....	....
25.9	P.		II	14 50 14.95	+0.32	....	....	C.	-13 42 13.2	+2.3	....	....
26.9	Hl.		C.	14 52 23.01	+0.10	....	....	C.	-13 51 35.6	+2.2	....	....
29.9	P.		II	15 1 30.07	+0.14	....	....	C.	-14 37 32.8	+1.7	....	....
Dec. 1.9	M.		C.	15 9 22.64	+0.12	....	....	C.	-15 18 52.4	+0.4	....	....
4.9	M.		C.	15 23 9.47	+0.18	....	....	C.	-16 29 54.9	-0.1	....	....
5.9	Hl.		C.	15 28 9.75	+0.14	....	....	C.	-16 54 54.8	+0.8	....	....
6.9	P.		II	15 33 20.31	+0.25	....	....	C.	-17 20 13.5	+0.9	....	....
11.9	Hl.		C.	16 1 12.05	+0.32	....	....	C.	-19 25 44.9	+0.4	....	....
1908												
Jan. 3.0	P.		C.	18 24 21.41	+0.14	....	....	C.	-24 38 9.3	+0.3	....	....
22.0	P.		C.	20 39 11.02	+0.05	....	....	C.	-20 34 14.3	+0.7	....	....
27.0	P.		C.	21 14 18.19	+0.20	....	....	C.	-17 57 37.3	+1.9	....	....
31.0	P.		C.	21 41 30.37	+0.13	....	....	C.	-15 26 40.4	-0.3	....	....
Mar. 13.9	P.		C.	22 9 33.89	-0.06	....	....	C.	-10 16 37.4	+0.9	....	....
20.9	P.		C.	22 22 59.29	-0.09	....	....	C.	-10 37 7.9	+1.2	....	....
25.9	M.		C.	22 39 53.79	+0.13	....	....	C.	- 9 52 15.4	-0.2	....	....
Apr. 10.9	P.		II	23 56 48.24	+0.23	....	....	C.	- 3 7 43.8	+1.3	....	....
12.9	M.		C.	0 8 7.86	+0.22	....	....	C.	- 1 54 1.9	+0.1	....	....
17.0	Fk.		II	0 31 49.86	+0.09	....	....	N.	+ 0 46 20.8	+0.6	....	....
20.0	M.		C.	0 50 34.68	+0.03	....	....	C.	+ 2 56 58.8	-0.1	....	....
21.0	P.		II	0 57 1.89	+0.29	....	....	C.	+ 3 42 20.5	+1.3	....	....
22.0	Fk.	E.	II	1 3 34.98	+0.08	....	....	N.	+ 4 28 28.2	-1.0	....	....
May 12.0	P.	W.	C.	3 40 16.43	+0.12	....	....	C.	+20 26 44.9	-1.0	....	....
18.0	M.		C.	4 32 51.56	-0.03	....	....	C.	+23 39 48.5	-0.2	....	....
22.0	P.		I	5 6 4.98	-0.01	....	....	C.	+24 56 53.8	+0.1	....	....
25.1	M.		C.	5 29 16.03	-0.09	....	....	C.	+25 28 13.0	+0.2	....	....
26.1	P.		.	....	....	....	....	C.	+25 34 1.4	+0.6	....	....
27.1	Fk.		I	5 43 43.77	+0.09	....	....	C.	+25 37 40.3	+1.0	....	....
28.1	M.	W.	C.	5 50 37.86	-0.06	....	....	C.	+25 39 14.5	0.0	....	....

MERCURY.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1908				h m s	s	s	s		° ' "	"	"	"
June 1.1	Fk.	W.	I	6 15 55.10	-0.04	....	....	C.	+25 27 13.8	+0.9	....	....
2.1	P.		I	6 21 37.64	-0.07	....	....	C.	+25 20 10.6	+0.7	....	....
5.1	P.		I	6 37 11.90	-0.22	....	....	C.	+24 51 2.6	-0.8	....	....
8.1	M.		I	6 50 20.11	0.00	....	....	C.	+24 12 12.7	-0.4	....	....
9.1	P.		I	6 54 8.77	-0.03	....	....	C.	+23 57 35.7	+0.3	....	....
12.1	P.		I	7 3 48.25	-0.12	....	....	C.	+23 10 4.0	-0.3	....	....
16.1	P.		I	7 12 21.22	-0.03	....	....	C.	+22 1 50.1	-0.7	....	....
July 16.0	M.		II	6 34 33.59	-0.04	....	....	C.	+19 2 23.8	+0.3	....	....
17.0	P.		II	6 35 2.96	+0.13	....	....	C.	+19 12 34.8	+0.8	....	....
19.9	M.		C.	6 38 54.79	-0.03	....	....	C.	+19 45 42.5	-0.5	....	....
28.9	P.		II	7 12 32.92	+0.17	....	....	C.	+21 11 59.2	+0.4	....	....
Aug. 3.0	P.		II	7 44 21.37	+0.16	....	....	C.	+21 15 23.4	+1.3	....	....
4.0	Fk.		II	7 51 37.14	+0.01	....	....	C.	+21 9 30.6	+0.4	....	....
5.0	P.		II	7 59 7.84	+0.17	....	....	C.	+21 1 8.0	+0.2	....	....
10.0	P.		II	8 39 14.89	+0.25	....	....	C.	+19 39 32.2	-1.0	....	....
11.0	Fk.		C.	8 47 33.37	+0.13	....	....	C.	+19 15 20.7	+0.7	....	....
12.0	Fk.		C.	8 55 53.31	+0.09	....	....	C.	+18 48 39.1	+0.6	....	....
13.0	Fk.		C.	9 4 12.87	-0.03	....	....	C.	+18 19 35.7	+0.2	....	....
15.0	Fk.		C.	9 20 45.57	+0.07	....	....	C.	+17 15 1.8	+0.7	....	....
31.0	M.		C.	11 18 2.01	-0.04	....	....	C.	+ 5 46 33.1	-0.9	....	....
Sept. 3.0	M.		C.	11 36 48.73	-0.09	....	....	C.	+ 3 26 52.7	-0.2	....	....
8.0	P.		I	12 6 22.09	-0.02	....	....	C.	- 0 22 6.0	-0.2	....	....
9.0	Fk.		I	12 12 3.06	+0.07	....	....	C.	- 1 6 57.4	+0.2	....	....
11.0	P.		I	12 23 12.30	-0.07	....	....	C.	- 2 35 29.5	-0.2	....	....
12.0	Fk.		I	12 28 41.23	+0.03	....	....	C.	- 3 19 5.8	-0.5	....	....
15.0	P.		I	12 44 45.50	-0.07	....	....	C.	- 5 26 55.6	-0.1	....	....
18.0	P.		I	13 0 18.34	-0.11	....	....	C.	- 7 29 43.2	-0.4	....	....
22.1	P.		I	13 20 14.09	+0.04	....	....	C.	-10 4 18.1	-0.2	....	....
Oct. 7.1	L.		I	14 23 22.69	+0.07	....	....	C.	-17 30 50.2	+0.8	....	....
8.1	M.		I	14 26 29.09	+0.08	....	....	C.	-17 50 0.5	-1.2	....	....
13.0	P.		I	14 38 5.05	-0.02	....	....	C.	-18 54 44.5	-0.7	....	....
15.0	P.		I	14 40 20.74	-0.06	....	....	C.	-19 2 49.0	+0.6	....	....
Nov. 5.9	P.		C.	13 46 6.25	+0.08	....	....	C.	- 9 0 36.3	+0.4	....	....
11.9	M.		C.	13 57 51.49	+0.10	....	....	C.	- 9 33 56.3	+0.2	....	....
12.9	P.		II	14 1 27.58	+0.26	....	....	C.	- 9 53 19.7	0.0	....	....
15.9	M.		C.	14 14 8.82	+0.08	....	....	C.	-11 6 8.7	+0.4	....	....
16.9	P.		II	14 18 53.33	+0.26	....	....	C.	-11 34 0.4	+1.1	....	....
17.9	L.		C.	14 23 49.76	+0.18	....	....	C.	-12 3 8.6	-0.2	....	....
18.9	M.		C.	14 28 56.80	+0.04	....	....	C.	-12 33 13.1	+0.1	....	....
19.9	P.		II	14 34 13.59	+0.29	....	....	C.	-13 4 1.9	-0.7	....	....
20.9	L.		II	14 39 38.27	+0.20	....	....	C.	-13 35 17.9	+1.1	....	....
27.0	P.		II	15 14 14.69	+0.25	....	....	C.	-16 44 6.6	+0.6	....	....
30.0	P.		II	15 38 43.89	+0.28	....	....	C.	-18 42 26.0	0.0	....	....
Dec. 3.0	P.		II	15 51 17.08	+0.22	....	....	C.	-19 37 27.1	-0.8	....	....
8.0	P.		II	16 23 26.36	+0.14	....	....	C.	-21 39 38.0	+0.3	....	....
9.0	L.		C.	16 29 59.62	+0.19	....	....	C.	-22 1 6.6	+2.3	....	....
31.0	M.		C.	19 2 13.80	+0.09	....	....	C.	-24 42 11.5	-0.5	....	....
1909												
Jan. 2.0	L.		C.	19 16 31.98	+0.15	....	....	C.	-24 22 47.9	+1.2	....	....
6.0	L.		C.	19 45 4.11	-0.01	....	....	C.	-23 25 13.4	+1.5	....	....
19.1	P.		C.	21 12 32.79	+0.01	....	....	C.	-17 31 28.1	+1.1	....	....
20.1	L.		I	21 18 25.86	-0.01	....	....	C.	-16 55 48.6	+1.7	....	....
22.1	P.		C.	21 29 29.63	+0.07	....	....	C.	-15 42 58.0	+0.8	....	....
26.1	L.		C.	21 47 46.15	-0.04	....	....	C.	-13 18 22.0	+0.5	....	....
27.1	P.	W.	I	21 51 17.63	+0.02	....	....	C.	-12 44 22.2	+1.3	....	....

MERCURY.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1909				h m s	s	s	s		° ' "	"	"	"
Feb. 18.0	M.	W.	II	21 6 28.40	+0.01	....	....	C.	-13 16 2.3	+1.4	....	....
Mar. 4.9	P.		C.	21 19 22.26	+0.14	....	....	C.	-15 32 29.0	0.0	....	....
7.9	M.		C.	21 30 22.74	+0.09	....	....	C.	-15 14 2.6	+1.5	....	....
14.9	M.		C.	22 1 38.88	+0.18	....	....	C.	-13 37 58.0	0.0	....	....
16.9	L.		C.	22 11 38.18	+0.22	....	....	C.	-12 57 37.6	-0.1	....	....
17.9	M.		C.	22 16 45.91	+0.05	....	....	C.	-12 35 24.2	-0.1	....	....
19.9	L.		C.	22 27 16.62	+0.03	....	....	C.	-11 46 56.3	+0.2	....	....
21.9	M.		C.	22 38 5.80	+0.19	....	....	C.	-10 53 13.9	+0.6	....	....
22.9	P.		C.	22 43 36.71	+0.24	....	....	C.	-10 24 27.8	+0.2	....	....
25.9	P.		C.	23 0 32.92	+0.13	....	....	C.	- 8 50 37.4	+0.4	....	....
27.0	L.		C.	23 6 19.36	+0.17	....	....	C.	- 8 16 52.2	+1.6	....	....
29.0	M.		C.	23 18 3.34	+0.13	....	....	C.	- 7 5 50.3	+0.2	....	....
Apr. 1.0	M.		C.	23 36 7.56	+0.10	....	....	C.	- 5 10 29.9	+0.5	....	....
9.0	P.		C.	0 27 20.56	+0.12	....	....	C.	+ 0 44 49.0	-0.2	....	....
10.0	L.		C.	0 34 5.92	+0.19	....	....	C.	+ 1 33 41.3	+1.0	....	....
12.0	M.		C.	0 47 52.55	+0.14	....	....	C.	+ 3 13 56.2	+0.7	....	....
15.0	M.		C.	1 9 15.41	-0.03	....	....	C.	+ 5 49 48.8	-0.2	....	....
16.0	P.		C.	1 16 35.31	+0.11	....	....	C.	+ 6 42 57.7	+0.3	....	....
17.0	L.		C.	1 24 1.30	+0.14	....	....	C.	+ 7 36 32.8	+1.1	....	....
24.0	L.		C.	2 18 48.87	0.00	....	....	C.	+13 52 27.6	+0.3	....	....
26.0	M.	W.	C.	2 35 10.98	+0.11	....	....	C.	+15 35 0.2	+0.4	....	....
28.0	L.	E.	C.	2 51 41.54	+0.10	....	....	C.	+17 12 25.5	+0.8	....	....
May 11.0	P.		C.	.. ..	....	....	....	C.	+24 16 35.0	+0.8	....	....
12.0	L.		C.	.. ..	....	....	....	C.	+24 32 9.3	+1.8	....	....
13.0	M.		C.	4 44 49.75	+0.03	....	....	C.	+24 45 22.7	-0.3	....	....
15.0	L.		I	4 56 42.90	-0.07	....	....	C.	+25 5 19.6	+0.2	....	....
17.1	M.		C.	5 7 33.42	-0.02	....	....	C.	+25 17 3.1	0.0	....	....
18.1	P.		C.	5 12 33.86	-0.05	....	....	C.	+25 20 3.0	0.0	....	....
July 1.9	P.		II	5 19 36.87	+0.23	....	....	C.	+19 12 16.4	0.0	....	....
2.9	L.		II	5 21 46.78	+0.14	....	....	C.	+19 23 29.6	-0.3	....	....
7.9	M.		II	5 37 46.62	+0.04	....	....	C.	+20 30 29.0	-0.2	....	....
8.9	P.		C.	5 42 0.44	+0.16	....	....	C.	+20 45 1.7	-0.2	....	....
9.9	L.		II	5 46 34.51	+0.14	....	....	C.	+20 59 35.5	+0.3	....	....
11.9	M.		II	5 56 43.25	+0.09	....	....	C.	+21 28 1.4	-0.1	....	....
14.9	M.		II	6 14 24.95	+0.16	....	....	C.	+22 6 11.6	-0.6	....	....
16.9	L.		II	6 27 47.61	+0.15	....	....	C.	+22 26 23.5	+0.5	....	....
19.9	P.		C.	6 50 1.55	+0.04	....	....	C.	+22 44 43.1	+0.3	....	....
20.9	M.		II	6 57 57.02	-0.03	....	....	C.	+22 46 52.4	+0.4	....	....
24.0	P.		C.	7 22 57.94	+0.20	....	....	C.	+22 39 10.9	-0.2	....	....
26.0	M.		II	7 40 23.35	+0.06	....	....	C.	+22 21 9.8	+0.1	....	....
28.0	M.		C.	7 58 7.91	+0.13	....	....	C.	+21 52 21.1	-0.4	....	....
29.0	P.		C.	8 7 2.63	+0.13	....	....	C.	+21 33 57.8	+0.5	....	....
30.0	M.		C.	8 15 56.55	+0.03	....	....	C.	+21 12 57.5	-0.7	....	....
Aug. 7.0	P.		C.	9 24 8.00	+0.18	....	....	C.	+17 7 8.6	+1.1	....	....
9.0	L.		C.	9 39 51.96	+0.01	....	....	C.	+15 49 31.7	+0.7	....	....
10.0	P.		C.	9 47 30.58	+0.15	....	....	C.	+15 9 7.1	+0.8	....	....
19.0	L.		I	10 49 48.75	-0.01	....	....	C.	+ 8 37 45.0	-0.4	....	....
20.0	P.		I	10 56 4.93	0.00	....	....	C.	+ 7 52 50.2	-0.4	....	....
21.0	L.		I	11 2 14.18	+0.02	....	....	C.	+ 7 7 54.7	+0.5	....	....
23.0	L.		C.	11 14 12.81	+0.07	....	....	C.	+ 5 38 11.0	+1.1	....	....
24.0	P.		C.	11 20 2.58	+0.06	....	....	C.	+ 4 53 28.3	+0.2	....	....
25.0	L.		I	11 25 46.24	+0.01	....	....	C.	+ 4 8 57.1	+0.2	....	....
27.1	L.		I	11 36 56.17	0.00	....	....	C.	+ 2 40 37.0	+0.2	....	....
30.1	M.		C.	11 52 59.59	-0.04	....	....	C.	+ 0 30 27.1	-0.9	....	....
Sept. 2.1	M.	E.	C.	12 8 15.87	-0.04	....	....	C.	- 1 35 56.8	+0.1	....	....

MERCURY.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1909				h m s	s	s	s		° ' "	"	"	"
Sept. 7.1	P.	E.	I	12 32 0.73	-0.03	....	....	C.	- 4 55 40.7	+0.3	....	....
8.1	L.		I	12 36 29.96	0.00	....	....	C.	- 5 33 38.4	+0.1	....	....
13.1	L.		C.	12 57 27.80	-0.01	....	....	C.	- 8 31 0.8	+1.3	....	....
14.1	P.		C.	13 1 19.76	+0.10	....	....	C.	- 9 3 39.2	+0.1	....	....
17.1	M.			....	....	....	....	C.	-10 34 36.1	+0.1	....	....
18.1	P.		I	13 15 26.14	-0.04	....	....	C.	-11 2 21.5	-0.8	....	....
23.1	P.		I	13 29 8.32	+0.08	....	....	C.	-12 57 4.7	-1.5	....	....
25.1	P.		I	13 32 58.31	-0.05	....	....	C.	-13 29 11.6	-0.7	....	....
28.1	P.		I	13 36 25.30	-0.05	....	....	C.	-13 58 12.9	-1.1	....	....
29.1	L.		I	13 36 51.50	-0.14	....	....	C.	-14 1 51.5	+0.7	....	....
30.0	P.		I	13 36 54.04	-0.11	....	....	C.	-14 2 9.1	-0.8	....	....
Oct. 19.0	P.		C.	12 46 46.76	+0.34	....	....	C.	- 4 21 25.5	+0.5	....	....
20.0	M.		II	12 46 12.49	+0.06	....	....	C.	- 4 0 14.0	+1.0	....	....
22.0	M.			....	....	....	....	C.	- 3 35 18.0	-0.2	....	....
25.0	M.		II	12 52 42.90	+0.10	....	....	C.	- 3 39 38.4	-0.5	....	....
26.0	P.		II	12 55 39.52	+0.36	....	....	C.	- 3 50 58.5	+0.3	....	....
27.0	L.		II	12 59 2.08	+0.10	....	....	C.	- 4 6 34.4	+0.9	....	....
29.0	P.		II	13 6 56.02	+0.35	....	....	C.	- 4 48 46.6	+0.1	....	....
Nov. 2.0	P.		II	13 26 4.69	+0.29	....	....	C.	- 6 45 9.4	-0.2	....	....
3.0	L.		II	13 31 21.54	+0.19	....	....	C.	- 7 18 43.0	+0.9	....	....
4.0	M.		C.	13 36 47.13	+0.18	....	....	C.	- 7 53 28.8	0.0	....	....
5.0	L.		II	13 42 20.19	+0.21	....	....	C.	- 8 29 6.4	+1.9	....	....
11.0	M.		C.	14 17 24.20	+0.12	....	....	C.	-12 11 3.8	+0.8	....	....
12.0	L.		II	14 23 27.07	+0.16	....	....	C.	-12 47 59.1	+0.2	....	....
13.0	M.		C.	14 29 32.28	+0.05	....	....	C.	-13 24 34.6	0.0	....	....
26.0	P.		C.	15 51 33.44	+0.26	....	....	C.	-20 22 8.6	+0.6	....	....
27.0	L.		C.	15 58 4.12	+0.19	....	....	C.	-20 48 15.8	+1.6	....	....
Dec. 11.0	L.			....	....	....	....	C.	-24 56 18.7	+2.0	....	....
15.0	L.		C.	18 0 17.86	+0.15	....	....	C.	-25 21 17.9	+1.3	....	....
17.0	L.		C.	18 14 20.29	+0.19	....	....	C.	-25 25 12.5	+2.4	....	....
21.0	P.		C.	18 42 27.88	+0.20	....	....	C.	-25 15 13.5	+0.3	....	....
22.0	L.		C.	18 49 28.80	+0.23	....	....	C.	-25 8 53.2	+1.6	....	....
23.0	M.		C.	18 56 28.53	+0.13	....	....	C.	-25 1 4.6	-1.6	....	....
24.0	P.		C.	19 3 26.84	+0.09	....	....	C.	-24 51 35.9	+2.2	....	....
1910												
Jan. 7.1	P.		C.	20 31 50.22	+0.01	....	....	C.	-20 9 8.3	+0.1	....	....
8.1	L.		C.	20 36 41.50	-0.03	....	....	C.	-19 41 3.1	+2.7	....	....
10.1	M.		I	20 45 15.77	+0.01	....	....	C.	-18 44 36.2	+1.0	....	....
15.1	L.		I	20 57 41.42	-0.15	....	....	C.	-16 36 1.5	+1.3	....	....
Feb. 2.0	P.		C.	19 57 20.34	+0.32	....	....	C.	-17 18 58.2	+2.6	....	....
5.0	L.		C.	19 52 34.68	+0.18	....	....	C.	-18 0 5.3	+1.2	....	....
18.9	L.		C.	20 23 24.94	+0.23	....	....	C.	-19 8 32.8	+1.6	....	....
24.9	P.		C.	20 51 28.18	+0.22	....	....	C.	-18 22 39.6	+0.8	....	....
Mar. 3.9	P.		C.	21 29 7.75	+0.18	....	....	C.	-16 29 21.3	+0.3	....	....
6.9	M.		C.	21 46 19.74	+0.09	....	....	C.	-15 21 13.6	-0.4	....	....
7.9	P.		C.	21 52 10.57	+0.25	....	....	C.	-14 55 54.4	+1.1	....	....
16.0	M.		C.	22 40 37.04	+0.13	....	....	C.	-10 47 51.7	+0.3	....	....
21.0	M.		C.	23 12 20.34	+0.09	....	....	C.	- 7 32 36.1	+1.1	....	....
23.0	L.		C.	23 25 21.82	+0.10	....	....	C.	- 6 6 9.1	+2.1	....	....
Apr. 2.0	L.		C.	0 34 1.10	+0.03	....	....	C.	+ 2 10 20.4	+0.8	....	....
8.0	P.		I	1 18 26.26	+0.04	....	....	C.	+ 7 44 38.2	+0.3	....	....
9.0	L.		C.	1 26 2.93	+0.13	....	....	C.	+ 8 41 0.7	+0.7	....	....
13.0	L.		C.	1 56 46.10	+0.12	....	....	C.	+12 21 56.7	+1.6	....	....
14.0	M.		I	2 4 26.80	+0.04	....	....	C.	+13 14 56.4	-1.0	....	....
15.0	P.	E.	I	2 12 5.47	0.00	....	....	C.	+14 6 40.6	-0.2	....	....

MERCURY.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1910				h m s	"	s	s		° ' "	"	"	"
Apr. 16.0	L.	E.	C.	2 19 40.92	-0.01	....	....	C.	+14 56 53.0	+0.2	....	....
18.0	M.		I	2 34 37.22	+0.06	....	....	C.	+16 31 56.3	+0.1	....	....
22.0	P.		I	3 2 56.21	+0.04	....	....	C.	+19 16 18.3	+0.6	....	....
28.1	M.		I	3 39 18.97	+0.04	....	....	C.	+22 8 36.9	-0.1	....	....
May 6.1	P.		I	4 11 57.04	-0.04	....	....	C.	+23 40 39.1	+0.3	....	....
June 19.9	M.		II	4 18 17.55	-0.03	....	....	C.	+17 58 9.9	-0.6	....	....
20.9	L.		C.	4 22 20.77	+0.13	....	....	C.	+18 16 43.8	-0.4	....	....
21.9	P.		C.	4 26 40.54	+0.31	....	....	C.	+18 36 5.6	+0.6	....	....
28.9	M.		C.	5 4 41.55	+0.17	....	....	C.	+21 1 41.8	+0.3	....	....
29.9	L.		C.	5 11 13.95	+0.15	....	....	C.	+21 22 5.5	+0.4	....	....
July 5.0	M.		C.	5 56 6.29	+0.06	....	....	C.	+22 50 54.5	+0.2	....	....
6.0	L.		C.	6 21 45.76	+0.05	....	....	C.	+23 4 39.3	+1.2	....	....
9.0	M.		II	6 39 45.15	+0.17	....	....	C.	+23 34 10.6	+0.2	....	....
11.0	L.		II	6 48 55.82	-0.14	....	....	C.	+23 42 24.3	+0.7	....	....
12.0	M.		II	8 12 3.01	+0.08	....	....	C.	+23 42 38.7	+0.3	....	....
21.0	P.		C.	8 20 52.53	+0.04	....	....	C.	+21 43 30.4	+1.2	....	....
22.0	M.		C.	8 54 37.70	+0.06	....	....	C.	+21 17 54.6	-0.9	....	....
26.0	M.		C.	9 10 29.95	+0.05	....	....	C.	+19 17 5.6	+0.7	....	....
28.0	M.		C.	9 18 10.60	0.00	....	....	C.	+18 7 35.2	+0.3	....	....
29.0	P.		I	9 40 12.09	+0.02	....	....	C.	+17 31 5.2	+2.0	....	....
Aug. 1.0	P.		I	9 47 12.97	+0.06	....	....	C.	+15 35 51.4	+1.3	....	....
2.0	P.		I	10 0 46.41	0.00	....	....	C.	+14 55 55.9	+0.6	....	....
4.0	P.		C.	10 7 19.39	-0.14	....	....	C.	+13 34 26.5	+0.4	....	....
5.1	M.		C.	10 13 43.97	+0.09	....	....	C.	+12 53 2.1	-0.1	....	....
6.1	L.		C.	10 43 41.89	+0.01	....	....	C.	+12 11 19.6	+1.0	....	....
11.1	L.		C.	11 20 24.89	-0.04	....	....	C.	+ 8 40 14.3	+0.5	....	....
18.1	P.		I	11 29 51.37	+0.01	....	....	C.	+ 3 48 41.3	+0.8	....	....
20.1	P.		I	11 38 49.95	+0.06	....	....	C.	+ 2 28 25.4	+0.6	....	....
22.1	P.		I	....	....	....	....	C.	+ 1 10 14.4	+0.6	....	....
Sept. 6.1	P.		.	....	....	....	....	C.	- 6 39 3.3	+0.3	....	....
7.1	M.		I	12 29 58.79	-0.06	....	....	C.	- 6 58 43.2	-0.1	....	....
8.1	P.		I	12 31 29.73	-0.05	....	....	C.	- 7 16 11.1	+0.3	....	....
12.0	P.		I	12 34 34.94	-0.07	....	....	C.	- 8 0 24.1	-0.3	....	....
Oct. 2.9	M.		II	11 46 39.05	+0.10	....	....	C.	+ 1 9 32.1	+1.1	....	....
4.9	L.		C.	11 46 40.27	+0.09	....	....	C.	+ 1 48 21.2	+2.2	....	....
10.9	P.		II	12 0 34.00	+0.27	....	....	C.	+ 1 39 51.4	+0.4	....	....
12.9	M.		II	12 8 53.46	+0.10	....	....	C.	+ 1 0 30.3	+0.6	....	....
13.9	P.		II	12 13 33.07	+0.26	....	....	C.	+ 0 35 30.2	+0.4	....	....
14.9	M.		II	12 18 28.67	+0.06	....	....	C.	+ 0 7 28.1	+0.5	....	....
16.9	M.		II	12 29 0.09	+0.04	....	....	C.	- 0 56 15.7	-0.6	....	....
18.0	P.		C.	12 34 31.86	+0.24	....	....	C.	- 1 31 14.0	+0.2	....	....
19.0	L.		C.	12 40 11.55	+0.09	....	....	C.	- 2 7 51.7	+1.4	....	....
21.0	P.		C.	12 51 50.43	+0.12	....	....	C.	- 3 25 2.7	+1.0	....	....
26.0	L.		C.	13 22 3.40	+0.19	....	....	C.	- 6 50 13.4	+0.1	....	....
28.0	P.		C.	13 34 21.85	+0.18	....	....	C.	- 8 13 37.6	+1.1	....	....
31.0	M.		C.	13 52 55.73	+0.05	....	....	C.	-10 17 18.8	-0.3	....	....
Nov. 8.0	P.		C.	14 42 50.51	+0.11	....	....	C.	-15 25 19.8	+0.5	....	....
18.0	P.		C.	15 46 28.28	+0.20	....	....	C.	-20 40 32.3	+2.9	....	....
21.0	M.		C.	16 5 58.52	+0.19	....	....	C.	-21 56 19.7	-0.3	....	....
26.0	L.		C.	16 38 58.60	+0.23	....	....	C.	-23 40 26.1	+0.3	....	....
Dec. 3.0	L.		C.	17 26 3.65	+0.22	....	....	C.	-25 14 44.4	+1.3	....	....
7.0	L.		C.	17 53 9.20	+0.15	....	....	C.	-25 38 57.9	+1.1	....	....
8.0	M.		C.	17 59 54.34	+0.20	....	....	C.	-25 41 26.5	+0.9	....	....
12.0	P.		I	18 26 36.31	+0.04	....	....	C.	-25 36 34.4	+1.1	....	....
16.1	P.	E.	C.	18 52 18.12	+0.05	....	....	C.	-25 7 58.3	+0.3	....	....

MERCURY.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1910				h m s	s	s	s		° ' "	"	"	"
Dec. 17.1	L.	E.	I	18 58 27.50	-0.01	....	....	C.	-24 57 9.4	+2.4	....	....
21.1	L.		C.	19 21 22.16	+0.08	....	....	C.	-24 0 45.7	+1.8	....	....
22.1	M.		I	19 26 31.26	+0.10	....	....	C.	-23 43 43.8	+0.9	....	....
27.1	P.		I	19 46 49.72	-0.03	....	....	C.	-22 7 15.5	+0.9	....	....
1911												
Jan. 24.9	L.		II	18 47 56.66	+0.12	....	....	C.	-20 45 9.8	-0.3	....	....
27.9	L.		II	18 55 51.51	+0.21	....	....	C.	-21 7 8.2	+1.3	....	....
29.9	M.		C.	19 2 46.32	+0.25	....	....	C.	-21 18 37.2	+0.7	....	....
Feb. 2.9	P.		C.	19 39 12.75	+0.26	....	....	C.	-21 31 20.4	+1.8	....	....
6.9	P.		C.	19 39 12.75	+0.26	....	....	C.	-21 27 50.2	+1.4	....	....
9.9	P.		C.	21 0 10.82	+0.16	....	....	C.	-21 13 15.5	+1.3	....	....
21.0	P.		C.	21 12 37.72	+0.20	....	....	C.	-18 43 59.9	-0.3	....	....
23.0	M.		C.	21 37 55.83	+0.21	....	....	C.	-18 0 1.2	+0.9	....	....
27.0	M.		C.	21 50 45.79	+0.16	....	....	C.	-16 16 18.8	+0.4	....	....
Mar. 1.0	L.		C.	21 50 45.79	+0.16	....	....	C.	-15 16 31.3	+2.2	....	....
3.0	P.		C.	22 43 15.97	+0.16	....	....	C.	-14 11 30.4	+1.1	....	....
9.0	M.		C.	22 49 58.10	+0.13	....	....	C.	-10 25 4.5	+1.6	....	....
10.0	P.		C.	22 56 42.38	+0.18	....	....	C.	-9 42 49.5	+1.9	....	....
11.0	L.		C.	23 24 1.58	+0.25	....	....	C.	-8 59 20.2	+0.7	....	....
15.0	L.		C.	0 27 46.46	+0.20	....	....	C.	-5 53 1.9	+1.8	....	....
24.0	P.		C.	0 49 30.68	+0.14	....	....	C.	+2 7 13.0	+1.9	....	....
27.0	M.		C.	0 56 44.88	+0.05	....	....	C.	+4 58 20.9	+0.5	....	....
28.0	P.		C.	1 11 7.77	+0.08	....	....	C.	+5 55 26.1	+1.7	....	....
30.0	M.		C.	1 58 26.79	+0.01	....	....	C.	+7 48 21.2	+0.1	....	....
Apr. 6.0	M.		I	2 21 18.88	-0.03	....	....	C.	+13 47 16.6	+0.3	....	....
10.0	M.	E.	I	2 21 18.88	-0.03	....	....	C.	+16 27 25.8	+1.1	....	....

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

1903												
Sept. 5.0	L.	W.	I	11 47 44.44	-0.15	....	....	N.	-7 20 23.2	+1.6	....	....
7.0	L.		I	11 44 29.74	-0.14	....	....	N.	-7 15 32.8	+1.8	....	....
10.0	L.		I	11 38 52.52	-0.20	....	....	N.	-6 57 58.8	+0.9	....	....
23.0	R.		II	11 11 29.24	+0.03	....	....	N.	-3 7 0.4	+2.7	....	....
25.0	R.		II	11 8 1.23	+0.02	....	....	N.	-3 7 0.4	+2.7	....	....
26.0	L.		II	11 6 27.40	+0.10	....	....		....	....	....	....
27.9	L.		II	11 3 42.21	+0.12	....	....		....	....	....	....
28.9	R.		II	11 2 31.66	+0.05	....	....	N.	-1 50 36.0	+1.0	....	....
29.9	L.		II	11 1 29.62	+0.01	....	....	N.	-1 32 13.8	+2.0	28.1	-0.1
30.9	R.		II	11 0 36.45	+0.10	....	....	S.	-1 14 21.5	+1.8	....	....
Oct. 4.9	R.		II	10 58 33.77	0.00	....	....	S.	-0 9 0.8	+0.2	....	....
11.9	L.		II	11 0 47.17	+0.08	....	....	S.	+1 14 36.3	+1.7	....	....
12.9	Br.		II	11 1 40.50	+0.10	....	....	S.	+1 22 54.2	+0.3	....	....
13.9	R.		II	11 2 41.66	-0.01	....	....	S.	+1 30 18.2	+0.8	....	....
14.9	L.		II	11 3 50.75	+0.08	....	....	S.	+1 36 46.3	+1.4	....	....
18.9	L.		II	11 9 39.09	+0.19	....	....	S.	+1 53 25.1	+1.8	....	....
19.9	Br.			....	....	....	....	S.	+1 55 17.8	0.0	....	....
20.9	R.			....	....	....	....	S.	+1 56 20.4	+0.6	....	....
21.9	R.			....	....	....	....	S.	+1 56 31.0	+0.9	....	....
25.9	L.		II	11 23 48.30	+0.02	....	....	S.	+1 48 54.4	+1.4	....	....
26.9	Br.		II	11 26 10.99	+0.12	....	....	S.	+1 44 59.2	+0.1	....	....
27.9	R.		II	11 28 38.16	-0.01	....	....	S.	+1 40 19.2	-0.1	....	....
28.9	L.		II	11 31 10.08	+0.10	....	....	S.	+1 34 55.2	+0.6	....	....
Nov. 2.9	Br.	W.	II	11 44 50.68	+0.05	....	....	S.	+0 57 17.0	+0.1	....	....
3.9	R.		II	11 47 46.07	+0.08	....	....	S.	+0 47 46.1	+0.1	....	....

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
				h m s	s	s	s		° ' "	"	"	"
1903												
Nov. 4.9	L.	W.	II	11 50 44.89	+0.13	....	....	S.	+ 0 37 38.1	+0.4	....	....
5.9	Br.		II	11 53 46.97	+0.15	....	....	S.	+ 0 26 53.2	+0.1	....	....
6.9	R.		II	11 56 52.23	+0.20	....	....	S.	+ 0 15 33.4	0.0	....	....
8.9	L.		II	12 3 11.50	+0.05	....	....	S.	- 0 8 45.4	+1.5	....	....
9.9	Br.		II	12 6 25.48	+0.04	....	....	S.	- 0 21 45.3	0.0	....	....
10.9	R.		II	12 9 42.14	+0.02	....	....	S.	- 0 35 14.6	-0.2	....	....
11.9	L.		II	12 13 1.44	+0.04	....	....	S.	- 0 49 12.6	+0.5	....	....
12.9	Br.		II	12 16 57.17	+0.03	....	....	S.	- 1 3 41.0	-0.8	....	....
20.9	Br.		II	12 44 37.26	+0.03	....	....	S.	- 3 14 11.1	+0.1	....	....
27.9	R.		II	13 10 58.49	+0.03	....	....	S.	- 5 25 12.8	-0.4	....	....
29.9	L.		II	13 18 45.08	-0.06	....	....	S.	- 6 4 40.0	+0.6	....	....
30.9	Br.		II	13 22 40.90	+0.06	....	....	S.	- 6 24 40.2	+0.2	....	....
Dec. 4.9	Br.		II	13 50 53.75	+0.05	....	....	S.	- 7 45 59.9	-0.5	....	....
7.9	Br.		II	13 59 10.92	+0.01	....	....	S.	- 8 47 57.5	+0.4	....	....
9.9	Br.		II	13 59 10.92	+0.01	....	....	S.	- 9 29 31.5	-0.8	....	....
11.9	Br.		II	14 7 34.05	+0.04	....	....	C.	-10 11 6.4	-1.0	....	....
14.9	Br.		II	14 20 19.71	+0.14	....	....	S.	-11 13 15.3	-0.7	....	....
16.9	Br.		II	14 28 57.17	+0.06	....	....	S.	-11 54 20.9	+0.2	....	....
17.9	M.		II	14 33 18.01	-0.01	....	....	S.	-12 14 45.9	-0.3	....	....
18.9	R.		II	14 37 40.38	+0.03	....	....	S.	-12 35 2.7	+0.3	....	....
20.9	M.		II	14 46 29.26	0.00	....	....	S.	-13 15 13.6	-0.3	....	....
22.9	R.		II	14 55 23.86	+0.02	....	....	S.	-13 54 45.8	-1.4	....	....
30.9	Br.		II	15 31 58.70	+0.10	....	....	S.	-16 23 55.8	-0.5	....	....
1904												
Jan. 13.9	Br.		II	16 39 31.54	+0.04	....	....	S.	-19 53 27.8	+1.0	....	....
14.9	M.		II	16 44 30.40	-0.06	....	....	S.	-20 5 10.1	+0.8	....	....
17.9	M.		II	16 59 33.90	+0.01	....	....	S.	-20 37 14.6	+0.3	....	....
26.9	R.		II	17 45 33.90	+0.08	....	....	S.	-21 43 48.9	+1.8	....	....
Feb. 8.9	Br.		II	18 53 18.06	-0.03	....	....	C.	-21 53 26.9	+1.6	....	....
10.9	Br.		II	19 3 45.48	+0.09	....	....	C.	-21 45 25.2	+0.8	....	....
14.9	M.		II	19 24 37.37	-0.03	....	....	C.	-21 21 43.3	+0.4	....	....
22.9	Br.		II	20 5 59.74	+0.02	....	....	C.	-20 4 30.1	+2.0	....	....
23.9	M.		II	20 11 7.11	-0.02	....	....	C.	-19 52 10.7	+0.7	....	....
24.9	Br.		II	20 16 13.86	+0.09	....	....	C.	-19 39 14.1	+1.9	....	....
Mar. 3.9	M.		II	20 56 36.61	-0.02	....	....	C.	-17 35 58.6	+0.8	....	....
4.9	R.		II	21 1 35.51	+0.07	....	....	C.	-17 18 13.0	+0.3	....	....
7.9	Br.		II	21 16 26.27	+0.09	....	....	C.	-16 21 58.6	+1.5	....	....
16.9	R.		II	22 0 6.22	-0.04	....	....	C.	-13 9 30.8	+1.0	....	....
18.9	M.		II	22 9 37.97	-0.07	....	....	C.	-12 22 28.4	+0.2	....	....
23.9	R.		II	22 33 11.83	-0.06	....	....	C.	-10 19 5.7	-0.2	....	....
28.9	Br.		II	22 56 25.64	-0.02	....	....	C.	- 8 8 37.8	+0.3	....	....
Apr. 1.9	M.		II	23 14 48.63	+0.02	....	....	C.	- 6 20 7.1	+1.4	....	....
3.9	R.		II	23 23 56.80	+0.01	....	....	C.	- 5 24 45.7	+0.1	....	....
4.9	Br.		II	23 28 30.26	+0.08	....	....	C.	- 4 56 50.2	-0.2	....	....
6.9	R.		II	23 37 35.78	+0.08	....	....	C.	- 4 0 32.4	+0.5	....	....
12.9	M.		II	0 4 44.80	-0.08	....	....	C.	- 1 9 6.6	+0.8	....	....
14.9	Br.		II	0 13 46.50	+0.08	....	....	C.	- 0 11 25.9	+0.3	....	....
15.9	M.		II	0 18 17.04	-0.03	....	....	C.	+ 0 17 27.6	+0.1	....	....
17.9	R.		II	0 27 18.37	+0.04	....	....	C.	+ 1 15 17.7	+0.4	....	....
19.9	M.		.	0 36 19.75	-0.01	0.39	+0.03	C.	+ 2 13 6.0	-0.1	....	....
20.9	R.		.	0 40 50.74	+0.12	0.37	+0.01	C.	+ 2 41 57.5	-0.8	....	....
21.9	Br.		.	0 45 21.76	+0.12	0.35	-0.01	C.	+ 3 10 48.0	+0.1	....	....
24.9	R.		.	1 35 24.42	-0.05	0.37	+0.01	C.	+ 4 36 55.3	-0.2	....	....
May 3.0	Br.	W.	.	1 35 24.42	-0.05	0.37	+0.01	C.	+ 8 22 0.5	+0.3	....	....
5.0	R.		.	1 44 37.21	+0.13	0.36	0.00	C.	+ 9 16 43.7	+0.2	....	....

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1904				h m s	s	s	s		" "	"	"	"
May 6.0	Br.	W.	.	1 49 14.53	+0.12	0.34	-0.01	C.	+ 9 43 46.9	-0.5	....	...
11.0	M.		.	2 12 32.75	+0.07	0.37	+0.02	C.	+11 55 40.3	+0.3	....	...
12.0	R.		.	2 17 14.86	+0.02	0.36	+0.01	C.	+12 21 17.1	+0.9	....	...
13.0	Br.		.	2 21 57.93	+0.03	0.33	-0.02	C.	+12 46 35.5	+0.4	....	...
14.0	M.		.	2 26 41.95	+0.06	0.32	-0.03	C.	+13 11 36.2	0.0	....	...
16.0	R.		.	2 36 12.84	+0.12	0.33	-0.02	C.	+14 0 41.4	-0.4	....	...
25.0	R.		.	3 19 52.34	+0.02	0.37	+0.02	C.	+17 23 37.6	0.0	....	...
26.0	Br.		.	3 24 48.83	+0.03	0.34	-0.01	C.	+17 44 7.6	+0.6	....	...
28.0	Br.		.	3 34 45.24	+0.10	0.35	0.00	C.	+18 23 43.6	+0.2	....	...
June 6.0	Br.		.	4 20 24.03	+0.03	0.34	-0.02	C.	+20 57 1.6	0.0	....	...
8.0	Br.		.	4 30 44.56	+0.12	0.36	0.00	C.	+21 25 3.2	+0.7	....	...
9.0	R.		.	4 35 56.25	+0.10	0.40	+0.04	C.	+21 38 9.3	-0.6	....	...
11.0	M.		.	4 46 22.44	+0.03	0.39	+0.03	C.	+22 2 34.6	-0.8	....	...
13.0	R.		.	4 56 52.26	+0.02	0.35	-0.01	C.	+22 24 32.0	+0.2	....	...
14.0	Br.		.	5 2 8.50	+0.12	0.32	-0.04	C.	+22 34 33.1	+0.1	....	...
15.0	M.		C.	5 7 25.40	+0.10	0.33	-0.03	C.	+22 43 55.3	-0.2	....	...
July 19.0	Br.		C.	8 8 30.02	+0.07	....	....	C.	+21 14 53.8	+0.1	....	...
26.0	Br.		C.	8 44 25.69	+0.04	....	....	C.	+19 21 53.3	-0.2	....	...
27.0	T.		C.	8 49 29.21	-0.01	....	....	C.	+19 3 28.3	-0.3	....	...
29.0	Br.		.	8 59 33.00	+0.04	0.30	-0.05	C.	+18 25 2.8	-0.2	....	...
30.0	M.		C.	9 4 32.98	-0.12	....	....	C.	+18 5 2.8	-0.6	....	...
Aug. 3.0	T.		C.	9 24 22.12	-0.06	....	....	C.	+16 40 8.7	+0.1	....	...
6.0	T.		C.	9 39 2.01	-0.02	....	....	C.	+15 31 36.5	+0.2	....	...
10.0	T.		C.	9 58 19.77	+0.03	....	....	C.	+13 54 21.0	0.0	....	...
Sept. 7.0	M.	W. E.	C.	12 7 12.20	-0.03	0.31	-0.04	C.	+ 0 29 19.7	+0.8	....	...
8.0	T.		C.	12 11 41.94	-0.03	....	....	C.	- 0 1 32.4	-0.7	....	...
12.0	M.		C.	12 29 40.92	-0.04	0.33	-0.03	C.	- 2 5 1.4	-0.5	....	...
15.0	T.		C.	12 43 11.36	0.00	....	....	C.	....	....	....	...
16.0	M.		.	12 47 41.93	+0.01	0.34	-0.02	C.	- 4 8 6.0	+0.1	....	...
17.0	T.		.	12 52 12.76	0.00	0.41	+0.05	C.	- 4 38 44.8	-1.8	....	...
19.0	M.		.	13 1 15.51	+0.01	0.34	-0.02	C.	- 5 39 40.8	-0.4	....	...
21.0	M.		.	13 10 19.83	-0.12	0.35	-0.02	C.	- 6 40 11.3	-0.1	....	...
22.0	T.		.	13 14 52.84	-0.06	0.46	+0.09	C.	- 7 10 16.1	-1.2	....	...
23.0	M.		I	13 19 26.45	+0.06	....	....	C.	- 7 40 8.7	+0.9	....	...
26.1	M.		I	13 33 10.51	+0.01	....	....	C.	- 9 8 52.2	+0.2	....	...
28.1	M.		I	13 42 23.44	+0.09	....	....	C.	-10 7 2.2	+0.6	....	...
30.1	M.		I	13 51 39.28	-0.11	....	....	C.	-11 4 19.2	+0.5	....	...
Oct. 1.1	T.		I	13 56 18.56	-0.11	....	....	C.	-11 32 36.8	-0.6	....	...
3.1	M.		I	14 5 39.95	+0.01	....	....	C.	-12 28 21.4	0.0	....	...
4.1	Br.		.	14 10 22.06	+0.06	0.38	0.00	C.	-12 55 47.6	+0.8	....	...
5.1	M.		I	14 15 4.99	-0.08	....	....	C.	-13 22 56.6	+0.9	....	...
7.1	Br.		.	14 24 34.22	-0.07	0.41	+0.03	C.	-14 16 17.4	+0.8	....	...
8.1	M.		I	14 29 20.38	-0.11	....	....	C.	-14 42 28.7	-0.2	....	...
10.1	M.		I	14 38 56.19	+0.01	....	....	C.	-15 33 46.0	-1.0	....	...
14.1	Br.		.	14 58 21.32	+0.07	0.41	+0.01	C.	-17 11 39.6	-0.9	....	...
15.1	Y.		I	15 3 15.65	+0.19	....	....	C.	....	....	....	...
17.1	M.		I	15 13 7.46	0.00	....	....	C.	-18 20 34.3	-0.3	....	...
18.1	Br.		.	15 18 5.26	-0.02	0.41	0.00	C.	-18 42 36.1	+0.8	....	...
19.1	M.		I	15 23 4.35	+0.03	....	....	C.	-19 4 10.1	+0.7	....	...
21.1	Br.		.	15 33 6.02	-0.05	0.39	-0.03	C.	-19 45 47.6	+1.0	....	...
25.1	Br.		.	15 53 24.05	+0.01	0.44	+0.01	C.	-21 2 40.6	+1.4	....	...
27.1	Y.		.	16 3 40.14	+0.01	0.39	-0.04	C.	-21 37 48.1	-2.2	....	...
28.1	Br.		.	16 8 49.91	-0.01	0.44	0.00	C.	-21 54 23.3	+1.6	....	...
29.1	Y.		.	16 14 0.86	+0.02	0.35	-0.09	C.	-22 10 27.4	+0.2	....	...
31.1	M.	E.	.	16 24 25.85	-0.09	0.33	-0.12	C.	-22 40 41.7	+0.1	....	...

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1904				h m s	"	s	s		° ' "	"	"	"
Nov. 7.1	M.	E.	.	17 1 24.78	-0.07	0.43	-0.03	C.	-24 5 58.0	+0.2	....	....
8.1	Br.		.	....	....	....	....	C.	-24 15 24.0	+1.3	....	....
15.1	Br.		.	17 44 23.27	-0.03	0.48	0.00	C.	-25 1 27.6	+0.7	....	....
16.1	M.		.	17 49 47.22	-0.12	0.45	-0.03	C.	-25 5 7.7	-1.0	....	....
17.1	Y.		.	17 55 11.47	-0.08	0.43	-0.05	C.	-25 8 0.1	+0.4	....	....
18.1	Br.		.	18 0 35.82	-0.03	0.44	-0.05	C.	-25 10 10.1	-0.6	....	....
19.1	Y.		.	18 6 0.20	+0.04	0.40	-0.09	C.	-25 11 33.7	-0.1	....	....
21.1	M.		.	18 16 48.50	-0.05	0.47	-0.02	C.	-25 12 6.5	+0.1	....	....
28.1	M.		I	18 54 28.23	-0.06	....	....	C.	-24 50 24.4	+0.1	....	....
Dec. 6.1	Br.		I	19 36 50.12	-0.05	....	....	C.	-23 41 44.5	+0.9	....	....
8.1	Br.		I	19 47 15.31	-0.11	....	....	C.	-23 17 38.2	-1.4	....	....
13.1	Br.		.	20 12 55.99	-0.05	0.54	0.00	C.	-22 5 47.1	+0.2	....	....
14.1	M.		I	20 17 59.91	-0.06	....	....	C.	-21 49 32.7	-0.5	....	....
16.1	M.		I	20 23 3.36	+0.01	....	....	C.	-21 15 15.4	-1.1	....	....
21.1	M.		I	20 52 44.18	-0.14	....	....	C.	-19 39 34.5	-0.3	....	....
22.1	Br.		.	20 57 35.70	+0.04	0.54	-0.01	C.	-19 18 49.9	-0.2	....	....
29.1	Br.		.	21 30 48.78	-0.05	0.62	+0.05	C.	-16 40 11.4	+1.7	....	....
1905												
Jan. 14.1	M.		I	22 41 48.51	-0.06	....	....	C.	- 9 28 45.2	+0.3	....	....
16.1	Y.		I	22 50 13.64	+0.06	....	....	C.	- 8 30 6.4	-1.2	....	....
18.1	M.		I	22 58 32.75	-0.10	....	....	C.	- 7 30 43.4	-0.2	....	....
19.1	Y.		I	23 2 40.39	+0.03	....	....	C.	- 7 0 49.1	-0.5	....	....
23.1	Y.		I	23 18 56.76	+0.02	....	....	C.	- 4 59 55.4	+0.1	....	....
30.1	Y.		I	23 46 35.53	-0.02	....	....	C.	- 1 25 29.4	-0.6	....	....
Feb. 2.1	Y.		I	23 58 8.06	+0.01	....	....	C.	+ 0 6 42.8	-0.4	....	....
7.1	Br.		I	0 16 57.98	-0.09	....	....	C.	+ 2 39 33.8	-1.7	....	....
10.1	Br.		I	0 28 1.38	+0.05	....	....	C.	+ 4 10 18.4	-0.2	....	....
11.1	M.		I	0 31 39.91	+0.03	....	....	S.	+ 4 40 17.9	-0.7	....	....
14.1	Br.		I	0 42 27.53	-0.07	....	....	S.	+ 6 9 25.7	-0.1	....	....
16.1	Y.		I	0 49 32.52	+0.03	....	....	S.	+ 7 7 59.4	+0.1	....	....
18.1	M.		I	0 56 31.53	-0.03	....	....	S.	+ 8 5 45.2	-0.2	....	....
24.1	Br.		I	1 16 50.42	-0.12	....	....	S.	+10 53 23.0	-0.5	....	....
27.1	M.		I	1 26 35.91	-0.08	....	....	S.	+12 13 28.4	-0.3	....	....
Mar. 2.1	Y.		I	1 36 2.97	+0.01	....	....	S.	+13 30 40.9	+0.8	....	....
6.1	Y.		I	1 48 5.75	0.00	....	....	S.	+15 8 32.9	+0.3	....	....
11.1	M.		I	2 2 4.58	-0.06	....	....	S.	+17 1 38.6	-0.9	....	....
13.1	Y.		I	2 7 16.13	-0.05	....	....	S.	+17 43 40.8	0.0	....	....
15.1	M.		I	2 12 11.71	-0.11	....	....	S.	+18 23 41.0	+0.2	....	....
16.1	Y.		I	2 14 33.23	+0.06	....	....	S.	+18 42 54.3	+1.3	....	....
18.1	M.		I	2 19 1.81	-0.03	....	....	S.	+19 19 36.4	-0.4	....	....
25.1	M.		I	2 31 51.13	-0.14	....	....	S.	+21 8 25.0	-0.7	....	....
28.1	Br.		I	2 35 44.96	-0.13	....	....	S.	+21 44 20.8	-0.8	....	....
29.1	M.		I	2 36 48.31	-0.08	....	....	S.	+21 54 43.0	-0.3	....	....
31.1	Br.		I	2 38 31.35	-0.17	....	....	S.	+22 12 49.1	-1.2	....	....
Apr. 3.1	Y.		I	2 40 3.88	-0.09	....	....	S.	+22 33 0.2	+0.9	....	....
4.1	Br.		I	2 40 17.18	-0.12	....	....	S.	+22 45 23.9	-0.5	....	....
8.1	M.		I	2 39 38.92	-0.10	....	....	S.	+22 42 4.2	+0.4	....	....
10.1	Y.		I	2 38 23.80	+0.03	....	....	S.	+21 4 36.4	+0.8	....	....
20.0	Y.		I	2 23 36.23	0.00	....	....	S.	+16 41 19.0	-1.3	....	....
May 2.0	Br.		II	1 57 51.01	+0.07	....	....	S.	....	....	....	....
4.0	Y.		II	1 54 15.73	-0.05	....	....	S.	+15 52 37.8	+1.3	....	....
7.9	Y.		II	1 48 30.89	-0.08	....	....	S.	....	....	....	....
8.9	Br.		II	1 47 24.78	-0.06	....	....	N.	+13 58 43.1	-0.7	....	....
10.9	Hi.		II	1 45 38.30	-0.10	....	....	N.	+13 18 26.4	+0.6	....	....
11.9	Br.	E.	II	1 44 58.39	+0.04	....	....	N.	+12 59 42.2	-0.2	....	....

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1905				h m s	s	s	s		° ' "	"	"	"
May 12.9	M.	E.	II	1 44 27.16	0.00	....	....	N.	+11 8 59.0	+0.9	....	....
19.9	M.		II	1 44 53.88	+0.03	....	....	N.	....	....	....	....
21.9	HI.		II	1 46 16.58	-0.04	....	....	N.	....	....	....	....
22.9	Br.		II	1 47 9.72	+0.08	....	....	N.	+10 46 1.9	-0.1	....	....
23.9	M.		II	1 48 10.11	-0.01	....	....	N.	+10 40 32.8	-0.7	....	....
24.9	HI.		II	1 49 17.76	-0.08	....	....	N.	+10 36 6.7	-1.1	....	....
25.9	Br.		II	1 50 32.46	-0.07	....	....	N.	+10 32 42.9	-0.1	....	....
26.9	M.		II	1 51 53.95	-0.04	....	....	N.	+10 30 16.2	-1.2	....	....
28.9	HI.		II	1 54 56.24	-0.05	....	....	N.	+10 28 15.3	-1.8	....	....
June 1.9	Br.		II	2 2 12.40	+0.07	....	....	N.	+10 34 44.2	-0.4	....	....
2.9	HI.		II	2 4 14.95	-0.05	....	....	N.	+10 38 20.5	+0.2	....	....
4.9	M.		II	2 8 35.33	-0.02	....	....	N.	+10 47 39.0	-1.1	....	....
5.9	Br.		II	2 10 52.78	+0.09	....	....	N.	+10 53 20.3	+0.4	....	....
8.9	Br.		II	2 18 11.62	+0.14	....	....	N.	+11 13 59.0	+1.0	....	....
9.9	HI.		II	2 20 46.16	-0.02	....	....	N.	+11 21 57.8	+0.8	....	....
12.9	Br.		II	2 28 53.90	+0.10	....	....	N.	+11 48 48.9	+0.3	....	....
13.9	HI.		II	2 31 43.73	-0.07	....	....	N.	+11 58 37.9	-0.4	....	....
16.9	HI.		II	2 40 34.68	-0.08	....	....	N.	+12 30 21.8	-0.4	....	....
18.9	Br.		II	2 46 45.38	+0.05	....	....	N.	+12 53 9.5	+0.9	....	....
21.9	HI.	E.	II	2 56 24.28	-0.06	....	....	N.	+13 29 14.4	+1.2	....	....
Aug. 13.9	M.	W.	II	6 39 18.37	-0.04	....	....	C.	+21 23 8.7	+0.7	....	....
15.9	HI.		II	6 48 57.98	-0.06	....	....	C.	+21 20 7.0	0.0	....	....
16.9	M.		II	6 53 48.77	+0.06	....	....	C.	+21 17 48.1	+1.0	....	....
18.9	HI.		II	7 3 31.48	-0.02	....	....	C.	+21 11 28.7	+0.8	....	....
21.9	Br.		II	7 18 8.60	+0.03	....	....	C.	+20 57 48.1	+0.3	....	....
22.9	HI.		II	7 23 1.36	-0.15	....	....	C.	+20 52 8.2	+1.1	....	....
25.9	HI.		II	7 37 41.26	-0.07	....	....	C.	+20 31 42.7	+0.4	....	....
31.9	Br.		II	8 7 1.17	+0.01	....	....	C.	+19 35 45.1	-0.2	....	....
Sept. 5.9	HI.		II	8 31 22.60	+0.15	....	....	C.	+18 34 3.6	+0.4	....	....
6.9	Bs.		II	8 36 13.97	+0.23	....	....	C.	+18 20 7.1	+0.2	....	....
7.9	HI.		II	8 41 4.66	+0.05	....	....	C.	+18 5 40.1	+0.7	....	....
8.9	Bs.		II	8 45 55.15	+0.08	....	....	C.	+17 50 41.6	+0.6	....	....
11.9	Bs.		II	9 0 23.91	+0.17	....	....	C.	+17 2 44.3	+0.3	....	....
12.9	HI.		II	9 5 12.28	-0.06	....	....	C.	+16 45 46.6	+0.9	....	....
14.9	HI.		II	9 14 47.93	-0.08	....	....	C.	+16 10 24.4	+1.4	....	....
15.9	Bs.		II	9 19 35.16	+0.10	....	....	C.	+15 51 59.8	+0.5	....	....
18.9	Bs.		II	9 33 53.06	+0.12	....	....	S.	+14 54 4.4	-0.8	....	....
19.9	HI.		.	....	....	....	....	C.	+14 33 55.1	+0.8	....	....
20.9	Bs.		.	....	....	....	....	S.	+14 13 17.7	-0.3	....	....
21.9	HI.		.	....	....	....	....	C.	+13 52 17.0	+0.2	....	....
22.9	Bs.		.	....	....	....	....	S.	+13 30 51.4	+0.2	....	....
24.9	Bs.		II	10 2 13.65	+0.18	....	....	S.	+12 46 49.4	+0.1	....	....
25.9	HI.		II	10 6 54.98	+0.07	....	....	C.	+12 24 13.8	-0.3	....	....
27.9	HI.		II	10 16 16.13	+0.03	....	....	C.	+11 37 59.1	+0.7	....	....
28.9	Bs.		II	10 20 55.96	+0.10	....	....	S.	+11 14 18.0	-1.0	....	....
Oct. 29.9	HI.		II	10 25 35.11	+0.04	....	....	C.	+10 50 20.4	+0.9	....	....
3.9	Bs.		II	10 44 6.95	+0.19	....	....	S.	+ 9 11 11.8	-1.2	....	....
4.9	HI.		II	10 48 43.47	0.00	....	....	S.	+ 8 45 42.2	-0.4	....	....
6.9	Bs.		II	10 57 55.60	+0.03	....	....	S.	+ 7 53 53.5	-0.1	....	....
8.9	HI.		II	11 7 6.10	-0.01	....	....	S.	+ 7 1 5.2	+0.4	....	....
9.9	Bs.		II	11 11 40.95	+0.11	....	....	S.	+ 6 34 18.8	-0.8	....	....
11.9	Bs.		II	11 20 49.59	+0.20	....	....	S.	+ 5 40 9.5	-1.5	....	....
12.9	Br.		II	11 25 23.22	-0.05	....	....	C.	+ 5 12 49.4	+0.3	....	....
15.9	HI.		II	11 39 3.62	-0.02	....	....	S.	+ 3 49 41.4	+0.5	....	....
22.9	HI.	W.	II	12 10 54.74	+0.05	....	....	S.	+ 0 31 4.8	+0.8	....	....

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1905				h m s	"	s	s		° ' "	"	"	"
Oct. 27.9	Bs.	W.	II	12 33 42.03	+0.09	....	....	S.	- 1 52 58.5	-1.3	....	....
30.9	Br.		II	12 47 25.14	+0.03	....	....	C.	- 3 19 29.0	+0.2	....	....
31.9	Bs.		II	12 52 0.34	+0.17	....	....	S.	- 3 48 18.1	-1.7	....	....
Nov. 1.9	Hi.		II	12 56 35.70	+0.06	....	....	S.	- 4 17 1.5	-0.8	....	....
2.9	Br.		II	13 1 11.57	+0.02	....	....	C.	- 4 45 41.0	+0.5	....	....
3.9	Bs.		II	13 5 47.99	+0.06	....	....	S.	- 5 14 18.9	-0.9	....	....
9.9	Bs.		II	13 33 38.31	+0.11	....	....	S.	- 8 3 41.4	-1.7	....	....
10.9	Hi.		II	13 38 18.98	+0.05	....	....	C.	- 8 31 23.9	-0.2	....	....
14.9	Bs.		II	13 57 9.93	+0.12	....	....	S.	-10 20 26.9	-0.5	....	....
16.9	Br.		II	14 6 40.56	+0.04	....	....	C.	-11 13 38.7	+0.1	....	....
20.9	Br.		II	14 25 53.66	+0.01	....	....	C.	-12 56 53.8	+0.2	....	....
21.9	Bs.		II	14 30 44.68	+0.17	....	....	S.	-13 21 58.4	+0.1	....	....
22.9	Hi.		II	14 35 36.53	+0.08	....	....	C.	-13 46 43.5	+0.3	....	....
26.9	Hi.		II	14 55 15.47	+0.12	....	....	C.	-15 22 15.2	+0.3	....	....
30.9	Br.		II	15 15 12.77	+0.07	....	....	C.	-16 51 32.9	+0.4	....	....
Dec. 3.9	Hi.		II	15 30 23.11	+0.01	....	....	C.	-17 53 54.3	+0.5	....	....
4.9	Br.		II	15 35 29.04	+0.08	....	....	C.	-18 13 45.2	+0.1	....	....
5.9	Bs.		C.	15 40 36.44	+0.43	....	....	C.	-18 33 5.2	+1.0	....	....
6.9	Hi.		II	15 45 44.38	+0.14	....	....	C.	-18 51 55.0	+1.7	....	....
7.9	Br.		II	15 50 53.62	-0.04	....	....	C.	-19 10 15.6	+0.4	....	....
10.9	Hi.		II	16 6 29.00	+0.07	....	....	C.	-20 1 59.3	+0.3	....	....
12.0	Br.		II	16 11 43.00	+0.03	....	....	C.	-20 18 5.9	+1.2	....	....
13.0	Bs.		II	16 16 58.31	+0.18	....	....	C.	-20 33 39.2	+0.8	....	....
18.0	Bs.		II	16 43 30.02	+0.17	....	....	C.	-21 42 20.0	+1.7	....	....
22.0	Bs.		II	17 5 0.44	+0.02	....	....	C.	-22 25 51.2	+1.4	....	....
26.0	Hi.		II	17 26 43.37	+0.05	....	....	C.	-22 58 37.4	+0.4	....	....
28.0	Hi.		II	17 37 38.35	+0.01	....	....	C.	-23 10 49.3	+0.4	....	....
30.0	Hi.		II	17 48 35.14	+0.01	....	....	C.	-23 20 9.8	+1.3	....	....
1906												
Jan. 5.0	Br.		II	18 21 31.25	-0.01	....	....	C.	-23 30 53.3	+1.5	....	....
Mar. 22.0	Bs.		I	0 39 11.87	+0.06	....	....	C.	+ 2 57 20.6	+0.7	....	....
23.0	Br.		.	0 43 44.39	-0.02	0.33	-0.01	C.	+ 3 27 49.7	-0.4	....	....
Apr. 2.0	Bs.		.	1 29 27.02	+0.06	0.41	+0.07	C.	+ 8 27 1.7	+0.8	....	....
12.0	Bs.		.	2 16 6.24	+0.07	0.42	+0.07	C.	+13 6 52.4	+1.0	....	....
13.0	Br.		.	2 20 50.52	-0.05	0.36	+0.01	C.	+13 33 17.4	-0.7	....	....
17.0	Br.		.	2 39 57.81	-0.04	0.38	+0.03	C.	+15 15 39.0	-0.7	....	....
18.0	Bs.		.	2 44 47.27	+0.07	0.34	-0.01	C.	+15 40 20.4	+0.3	....	....
28.0	Bs.		.	3 34 0.01	+0.04	0.35	-0.02	C.	+19 23 27.7	-0.4	....	....
30.1	Bs.		.	3 44 3.73	+0.03	0.31	-0.07	C.	+20 2 18.8	-0.1	....	....
May 4.1	Br.		.	4 4 23.99	+0.03	0.33	-0.05	C.	+21 13 28.7	+0.6	....	....
June 15.1	Br.		.	7 45 32.57	-0.08	0.45	+0.01	C.	+23 1 28.3	0.0	....	....
21.1	Hi.		.	8 16 0.53	-0.12	0.41	-0.04	C.	+21 38 26.3	-0.1	....	....
25.1	Hi.		I	8 35 53.20	-0.13	....	....	C.	+20 31 14.4	-0.6	....	....
27.1	Bs.		I	8 45 41.44	+0.17	....	....	C.	+19 54 21.8	+0.4	....	....
29.1	Br.		.	8 55 23.37	-0.08	0.49	+0.02	C.	+19 15 23.2	+0.2	....	....
July 30.1	Bs.		I	9 0 12.38	+0.03	....	....	C.	+18 13 13.7	0.0	....	....
2.1	Hi.		I	9 9 45.71	-0.01	....	....	C.	+18 13 13.7	0.0	....	....
3.1	Br.		.	9 14 30.16	-0.03	0.58	+0.11	C.	+17 51 34.4	+0.2	....	....
5.1	Hi.		I	9 23 54.55	-0.15	....	....	C.	+17 6 54.6	-0.2	....	....
6.1	Br.		.	9 28 34.64	-0.13	0.49	+0.01	C.	+16 43 56.2	-0.2	....	....
7.1	Bs.		.	9 33 13.30	-0.08	0.45	-0.03	C.	+16 20 33.2	+0.1	....	....
9.1	Hi.		I	9 42 26.21	-0.10	....	....	C.	+15 32 34.7	-0.1	....	....
Aug. 21.1	Br.		I	12 42 58.61	-0.03	....	....	C.	- 5 13 5.3	+1.5	....	....
27.1	Hi.		I	13 6 35.42	-0.12	....	....	N.	- 8 12 8.9	-1.3	....	....
31.1	Br.	W.	I	13 22 14.72	-0.04	....	....	C.	-10 8 29.2	-0.2	....	....

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1906												
Sept. 4.1	Br.	W.	I	h m s 13 37 50.04	-0.18	s	s	C.	-12 1 41.1	+0.5	"	"
5.1	P.		I	13 41 43.44	-0.10	....	....	N.	-12 29 24.9	+0.9	....	....
7.1	Br.		I	13 49 29.41	-0.08	....	....	C.	-13 24 9.3	+0.1	....	....
10.1	Hl.		I	14 1 6.52	-0.14	....	....	N.	-14 44 14.9	-0.4	....	....
11.1	P.		I	14 4 58.52	-0.02	....	....	N.	-15 10 22.4	-0.5	....	....
14.1	Hl.		.	....	....	....	....	N.	-16 26 54.4	-0.4	....	....
19.1	Hl.		I	14 35 41.17	-0.14	....	....	N.	-18 27 47.6	-0.8	....	....
20.1	P.		I	14 39 29.59	+0.01	....	....	N.	-18 50 53.9	-1.5	....	....
24.1	Hl.		I	14 54 35.49	-0.22	....	....	N.	-20 19 21.7	-0.1	....	....
25.1	P.		I	14 58 20.11	-0.04	....	....	N.	-20 40 27.9	0.0	....	....
Oct. 5.1	Hl.		I	15 34 34.20	-0.10	....	....	N.	-23 46 52.6	+0.3	....	....
8.1	Hl.		I	15 44 51.58	-0.11	....	....	N.	-24 33 27.8	+0.5	....	....
11.1	Br.		I	15 54 46.47	-0.12	....	....	N.	-25 15 27.2	+1.8	....	....
12.1	Hl.		I	15 57 59.00	-0.13	....	....	N.	-25 28 26.1	+0.9	....	....
15.1	Hl.	W.	I	16 7 16.89	+0.01	....	....	N.	-26 4 9.4	+0.5	....	....
1907												
Apr. 17.9	M.	E.	II	23 23 8.80	+0.13	....	....	N.	- 5 17 59.7	-0.5	....	....
19.9	P.		II	23 31 59.74	+0.01	....	....	N.	- 4 26 21.2	-0.7	....	....
21.9	M.		II	23 40 49.77	-0.01	....	....	N.	- 3 34 4.9	-1.2	....	....
23.9	P.		II	23 49 39.19	+0.13	....	....	N.	- 2 41 12.0	+1.6	....	....
24.9	M.		II	23 54 3.47	0.00	....	....	N.	- 2 14 37.9	-0.1	....	....
25.9	Hl.		.	....	....	....	....	N.	- 1 47 54.7	+0.9	....	....
26.9	P.		II	0 2 52.01	-0.01	....	....	N.	- 1 21 6.3	+1.2	....	....
May 2.9	Hl.		II	0 29 17.83	+0.03	....	....	N.	+ 1 21 8.9	+0.3	....	....
7.9	P.		.	....	....	....	....	N.	+ 3 37 5.8	+1.7	....	....
9.9	Hl.		II	1 0 15.27	-0.13	....	....	N.	+ 4 31 17.2	+0.3	....	....
12.9	M.		II	1 13 36.49	+0.06	....	....	N.	+ 5 52 9.0	+0.2	....	....
13.9	Hl.		II	1 18 4.36	+0.04	....	....	N.	+ 6 18 57.2	+1.2	....	....
14.9	P.		II	1 22 32.61	-0.09	....	....	N.	+ 6 45 38.7	+1.5	....	....
17.9	P.		II	1 36 1.18	+0.03	....	....	N.	+ 8 4 58.8	+1.6	....	....
20.9	Hl.		II	1 49 35.14	+0.04	....	....	N.	+ 9 22 58.2	+0.5	....	....
21.9	P.		II	1 54 7.81	+0.02	....	....	N.	+ 9 48 38.4	+1.5	....	....
28.9	P.		II	2 26 19.30	-0.01	....	....	N.	+12 42 10.3	+1.2	....	....
June 3.9	P.		II	2 54 31.30	0.00	....	....	N.	+15 0 25.0	+0.3	....	....
5.9	P.		II	3 4 3.65	+0.05	....	....	N.	+15 43 53.8	+1.5	....	....
6.9	M.		II	3 8 51.44	+0.08	....	....	N.	+16 5 3.7	+0.3	....	....
14.9	P.		II	3 47 53.31	+0.11	....	....	N.	+18 39 56.7	-0.4	....	....
16.9	M.		II	3 57 49.73	-0.03	....	....	N.	+19 14 10.6	-1.0	....	....
17.9	P.		II	4 2 49.73	+0.05	....	....	N.	+19 30 35.8	+1.1	....	....
19.9	P.		II	4 12 52.80	+0.05	....	....	N.	+20 1 50.1	+0.5	....	....
20.9	M.		II	4 17 55.97	+0.08	....	....	C.	+20 16 41.2	+0.9	....	....
21.9	P.		II	4 23 0.05	-0.02	....	....	N.	+20 30 59.7	+0.8	....	....
24.9	Hl.		II	4 38 18.72	+0.03	....	....	N.	+21 10 36.9	+0.2	....	....
27.9	P.		II	4 53 46.01	+0.01	....	....	C.	+21 45 7.3	+1.2	....	....
30.9	P.		II	5 9 21.41	+0.14	....	....	C.	+22 14 14.3	+1.3	....	....
July 4.9	Hl.		II	5 30 18.84	-0.14	....	....	N.	+22 44 20.8	+1.0	....	....
5.9	M.		II	5 35 35.02	0.00	....	....	C.	+22 50 16.4	+0.9	....	....
7.9	Hl.		II	5 46 8.88	+0.16	....	....	C.	+23 0 9.8	+0.8	....	....
18.0	M.		II	6 39 15.64	0.00	....	....	C.	+23 9 25.0	-0.5	....	....
22.0	M.		II	7 0 30.69	-0.09	....	....	C.	+22 54 6.6	-1.1	....	....
23.0	Hl.		.	7 5 49.06	+0.11	0.38	0.00	C.	+22 48 37.0	+0.3	....	....
24.0	P.		.	7 11 6.91	+0.13	0.38	0.00	C.	+22 42 26.1	+0.6	....	....
25.0	P.		.	7 16 24.27	+0.07	0.42	+0.04	C.	+22 35 34.4	+0.2	....	....
27.0	P.		.	7 26 57.79	+0.12	0.39	+0.01	C.	+22 19 52.4	+0.5	....	....
30.0	Hl.		.	7 42 43.81	+0.09	0.34	-0.03	C.	+21 51 24.1	+0.6	....	....
31.0	P.	E.	.	7 47 57.99	+0.17	0.43	+0.06	C.	+21 40 37.1	+0.4	....	....

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1907				h m s	s	s	s		° ' "	"	"	"
Aug. 2.0	HL.	E.	.	7 58 23.98	+0.06	0.40	+0.03	C.	+21 17 9.2	-0.1	....	....
6.0	P.	.	.	8 19 6.65	+0.08	0.39	+0.03	C.	+20 22 50.6	-0.2	....	....
8.0	P.	.	.	8 29 22.62	+0.04	0.40	+0.04	C.	+19 52 6.6	-0.5	....	....
13.0	P.	.	.	8 54 45.88	+0.16	0.37	+0.02	C.	+18 25 27.7	+0.5	....	....
15.0	P.	.	.	9 4 47.82	-0.02	0.39	+0.04	C.	+17 47 3.3	+0.2	....	....
17.0	P.	.	.	9 14 45.82	+0.08	0.41	+0.06	C.	+17 6 37.9	-0.5	....	....
29.0	M.	.	.	10 13 7.12	+0.03	0.36	+0.02	C.	+12 26 54.7	-0.9	....	....
Sept. 25.0	P.	.	.	10 13 7.12	.....	.....	.....	C.	- 0 30 51.9	+0.8	....	....
Oct. 1.0	HL.	.	.	12 45 20.11	+0.01	0.35	+0.01	C.	- 3 33 35.3	-0.7	....	....
2.0	P.	.	.	12 49 54.68	+0.09	0.42	+0.08	C.	- 4 3 53.6	-0.1	....	....
5.0	P.	.	.	13 3 40.54	+0.19	0.40	+0.06	C.	- 5 34 21.1	+0.3	....	....
7.0	M.	.	.	13 12 53.19	-0.02	0.32	-0.02	C.	- 6 34 8.5	-0.4	....	....
8.0	P.	.	.	13 17 30.50	+0.05	0.40	+0.06	C.	- 7 3 49.1	+0.4	....	....
9.0	M.	.	.	13 22 8.32	+0.05	0.34	0.00	C.	- 7 33 21.7	+0.4	....	....
10.0	P.	.	.	13 26 46.80	+0.08	0.38	+0.04	C.	- 8 2 44.8	+0.2	....	....
11.0	HL.	.	.	13 31 25.91	+0.09	0.34	0.00	C.	- 8 31 57.3	+0.1	....	....
15.0	HL.	.	.	13 50 9.65	+0.03	0.38	+0.04	C.	-10 26 46.2	-0.2	....	....
16.0	P.	.	.	13 54 52.70	+0.10	0.43	+0.09	C.	-10 54 53.2	+0.8	....	....
17.0	M.	.	.	13 59 36.52	+0.05	0.30	-0.04	C.	-11 22 46.9	-0.1	....	....
18.0	HL.	.	.	14 4 21.36	+0.11	0.38	+0.04	C.	-11 50 23.4	+0.1	....	....
19.0	P.	.	.	14 9 7.04	+0.06	0.51	+0.17	C.	-12 17 42.8	+0.6	....	....
21.0	M.	.	.	14 18 41.32	-0.06	0.39	+0.05	C.	-13 11 30.2	-0.5	....	....
22.0	HL.	.	.	14 23 30.06	-0.06	0.37	+0.03	C.	-13 37 54.7	-0.4	....	....
24.0	M.	.	.	14 33 10.76	-0.09	0.35	0.00	C.	-14 29 42.2	+0.9	....	....
25.0	P.	.	.	14 38 2.96	+0.06	0.40	+0.05	C.	-14 55 5.4	+0.1	....	....
29.0	HL.	.	.	14 57 42.86	+0.05	0.40	+0.05	C.	-16 32 42.5	+1.1	....	....
30.0	P.	.	.	15 2 40.84	+0.05	0.42	+0.06	C.	-16 56 5.7	+0.5	....	....
Nov. 5.0	HL.	.	.	15 32 54.76	-0.05	0.38	+0.01	C.	-19 6 40.2	+0.6	....	....
13.0	P.	.	.	16 14 22.85	+0.03	0.38	0.00	C.	-21 31 18.9	+0.3	....	....
14.0	M.	.	.	16 19 38.99	-0.10	0.33	-0.05	C.	-21 46 45.5	-0.3	....	....
15.0	HL.	.	.	16 24 56.43	-0.02	0.39	+0.01	C.	-22 1 33.4	+0.2	....	....
16.0	P.	.	.	16 30 14.90	+0.03	0.42	+0.04	C.	-22 15 42.9	+0.8	....	....
19.0	HL.	.	.	16 46 16.15	-0.05	0.41	+0.03	C.	-22 54 18.2	+0.7	....	....
25.0	M.	.	.	17 18 42.56	-0.01	0.39	0.00	C.	-23 53 1.5	+0.4	....	....
26.0	P.	.	.	17 24 9.57	+0.07	0.46	+0.07	C.	-24 0 19.6	+0.3	....	....
27.0	HL.	.	.	17 29 36.96	-0.05	0.42	+0.03	C.	-24 6 54.1	+0.2	....	....
30.1	P.	.	.	17 46 2.30	-0.08	0.49	+0.10	C.	-24 22 13.2	-0.4	....	....
Dec. 2.1	M.	.	.	17 57 1.00	-0.05	0.39	-0.01	C.	-24 28 41.4	+0.6	....	....
5.1	M.	.	.	18 13 30.32	-0.05	0.35	-0.05	C.	-24 32 47.1	0.0	....	....
6.1	HL.	.	.	18 19 0.19	-0.02	0.43	+0.03	C.	-24 32 37.9	+0.1	....	....
7.1	P.	.	.	18 24 30.10	+0.14	0.45	+0.05	C.	-24 31 43.0	+0.5	....	....
21.1	P.	.	.	19 40 39.54	+0.03	0.48	+0.07	C.	-23 0 51.0	+1.2	....	....
1908												
Jan. 3.1	P.	.	I	20 48 36.09	-0.06	0.50	+0.08	C.	-19 35 54.6	+0.2	....	....
6.1	M.	.	I	21 3 45.74	+0.06	.....	.....	C.	-18 34 23.1	0.0	....	....
9.1	M.	.	I	21 18 42.62	-0.03	.....	.....	C.	-17 28 12.4	-0.2	....	....
10.1	P.	.	.	21 23 38.87	+0.06	0.47	+0.05	C.	-17 5 9.9	+0.3	....	....
14.1	P.	.	.	21 43 9.50	+0.02	0.51	+0.09	C.	-15 28 31.5	-0.1	....	....
15.1	M.	.	I	21 47 58.76	+0.04	.....	.....	C.	-15 3 17.9	-0.1	....	....
24.1	P.	.	.	22 30 24.01	+0.06	0.56	+0.13	C.	-10 59 55.9	-0.7	....	....
27.1	P.	.	.	22 44 11.37	+0.10	0.51	+0.08	C.	- 9 33 18.1	-0.8	....	....
29.1	P.	.	.	22 53 17.75	+0.07	0.57	+0.14	C.	- 8 34 18.3	-0.3	....	....
31.1	P.	.	.	23 2 20.32	+0.01	0.52	+0.09	C.	- 7 34 27.5	-0.9	....	....
Feb. 10.1	M.	E.	I	23 46 45.78	+0.01	.....	.....	S.	- 2 25 47.4	+0.5	....	....
20.1	M.	E.	I	0 30 17.82	+0.07	.....	.....	S.	+ 2 49 12.7	-0.4	....	....

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1908				h m s	s	s	s		° ' "	"	"	"
Feb. 24.1	M.	E.	I	0 47 35.87	-0.17	....	....	S.	+ 4 54 17.5	-0.4	....	....
28.1	Hl.		I	1 4 54.11	-0.06	....	....	S.	+ 6 57 45.3	+1.4	....	....
29.1	P.		.	1 9 13.98	+0.04	0.66	+0.15	C.	+ 7 28 15.0	-0.1	....	....
Mar. 3.1	Hl.		I	1 22 14.31	0.00	....	....	S.	+ 8 58 48.9	+0.8	....	....
4.1	P.		.	1 26 34.80	-0.06	0.62	+0.10	C.	+ 9 28 35.7	-0.8	....	....
7.1	P.		.	1 39 38.10	-0.04	0.61	+0.08	C.	+10 56 43.1	-0.8	....	....
11.1	P.		.	1 57 6.89	-0.06	0.59	+0.04	C.	+12 50 47.6	+1.2	....	....
12.1	Hl.		I	2 1 29.95	-0.10	....	....	S.	+13 18 36.0	+0.6	....	....
14.1	P.		.	2 10 17.48	0.00	0.66	+0.10	C.	+14 13 18.6	-0.2	....	....
16.1	M.		I	2 19 6.54	-0.05	....	....	S.	+15 6 44.3	-0.3	....	....
21.1	P.		.	2 41 17.26	+0.11	0.72	+0.12	C.	+17 14 6.1	-0.2	....	....
27.1	Fk.		I	3 8 8.79	+0.07	....	....	S.	+19 33 45.4	+0.6	....	....
Apr. 4.1	P.		I	3 44 18.83	-0.09	....	....	S.	+22 14 13.6	+1.1	....	....
6.1	M.		I	3 53 23.63	-0.10	....	....	S.	+22 49 15.6	-0.5	....	....
7.1	Fk.		I	3 57 56.19	0.00	....	....	S.	+23 5 59.6	-0.2	....	....
9.1	M.		I	4 7 0.96	-0.04	....	....	S.	+23 37 49.8	+0.9	....	....
11.1	P.		I	4 16 5.29	+0.01	....	....	S.	+24 7 25.2	+0.3	....	....
13.1	M.		I	4 25 8.55	+0.04	....	....	S.	+24 34 44.8	-0.1	....	....
14.1	Fk.		I	4 29 39.48	-0.08	....	....	S.	+24 47 34.0	+0.8	....	....
16.1	M.		I	4 38 40.02	-0.12	....	....	S.	+25 11 26.0	-0.1	....	....
17.1	Fk.		I	4 43 9.46	-0.06	....	....	S.	+25 22 29.7	-0.4	....	....
20.1	M.		I	4 56 32.98	-0.03	....	....	S.	+25 52 11.2	+0.4	....	....
21.1	P.		I	5 0 58.97	-0.04	....	....	S.	+26 0 53.9	0.0	....	....
22.1	Fk.	E.	I	5 5 24.01	+0.05	....	....	S.	+26 9 2.0	+0.3	....	....
May 1.1	P.	W.	I	5 44 4.57	-0.10	....	....	.	....	....	....	....
11.1	M.		I	6 23 32.46	-0.04	....	....	.	+26 55 51.4	-1.7	13.5	-0.9
12.1	P.		I	6 27 12.10	+0.03	....	....	S.	+26 53 6.4	+0.4	....	....
13.1	Fk.		I	6 30 47.65	-0.26	....	....	S.	+26 49 51.6	+0.5	14.6	-0.2
26.1	P.		.	....	....	....	....	S.	+25 31 16.6	+0.5	....	....
27.1	Fk.		I	7 13 6.16	-0.07	....	....	.	+25 22 56.1	+0.9	18.3	+0.2
28.1	M.		I	7 15 25.82	-0.13	....	....	C.	+25 14 18.2	-0.8	....	....
June 1.1	Fk.		I	7 23 36.17	-0.17	....	....	.	+24 37 41.2	+0.1	19.4	-0.2
2.1	P.		I	7 25 20.51	-0.16	....	....	N.	+24 28 2.7	-0.2	....	....
5.1	P.		I	7 29 45.77	-0.22	....	....	N.	+23 58 14.3	-0.5	....	....
8.1	M.		I	7 32 54.34	-0.27	....	....	N.	+23 27 23.6	-0.3	....	....
9.1	P.		I	7 33 39.21	-0.12	....	....	N.	+23 16 56.8	-0.1	....	....
10.1	Fk.		I	7 34 14.46	-0.16	....	....	.	+23 6 26.6	+0.2	22.9	+0.3
12.1	P.		I	7 34 55.92	-0.20	....	....	N.	+22 45 17.2	0.0	....	....
13.1	Fk.		I	7 35 1.80	-0.18	....	....	N.	+22 34 40.2	+0.1	....	....
16.1	P.		I	7 34 18.40	-0.14	....	....	N.	+22 2 44.7	-0.3	....	....
19.1	P.		I	7 32 2.53	-0.12	....	....	N.	+21 30 54.8	-0.1	....	....
24.1	M.		I	7 24 57.54	-0.06	....	....	N.	+20 38 33.8	-0.8	....	....
July 14.0	P.		II	6 36 19.31	+0.10	....	....	N.	+17 45 17.6	+0.6	....	....
16.9	P.		II	6 30 41.97	+0.05	....	....	N.	+17 30 32.6	+1.2	....	....
19.9	M.		II	6 26 26.13	-0.04	....	....	.	....	....	....	....
28.9	P.		II	6 22 31.56	+0.04	....	....	N.	+17 11 52.5	0.0	....	....
Aug. 2.9	P.		II	6 25 52.12	+0.02	....	....	N.	+17 19 0.2	+0.1	....	....
3.9	Fk.		II	6 26 57.78	+0.01	....	....	N.	+17 21 3.1	-0.3	....	....
6.9	P.		II	6 31 2.19	+0.21	....	....	N.	+17 28 1.3	+0.9	....	....
7.9	Fk.		II	6 32 38.35	+0.02	....	....	N.	+17 30 30.2	+0.3	....	....
9.9	P.		II	6 36 12.27	+0.19	....	....	N.	+17 35 34.9	-0.3	....	....
10.9	Fk.		II	6 38 9.06	0.00	....	....	N.	+17 38 9.0	+1.1	....	....
11.9	Fk.		II	6 40 12.52	+0.03	....	....	N.	+17 40 38.8	+0.1	....	....
12.9	Fk.		II	6 42 22.20	+0.02	....	....	N.	+17 43 6.0	-0.1	....	....
13.9	P.	W.	II	6 44 38.09	+0.19	....	....	N.	+17 45 29.0	+0.3	....	....

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1908				h m s	s	s	s		° ' "	"	"	"
Aug. 17.9	P.	W.	II	6 54 37.15	+0.18	....	....	N.	+17 53 45.3	+0.4	....	....
20.9	Fk.		II	7 2 59.64	-0.02	....	....	.	+17 58 4.3	+1.2	16.3	-0.2
30.9	M.		II	7 35 19.66	0.00	....	....	S.	+17 54 18.9	+0.1	....	....
Sept. 2.9	M.		II	7 46 5.19	+0.04	....	....	S.	+17 46 19.7	-0.5	....	....
3.9	P.		II	7 49 45.82	+0.21	....	....	N.	+17 42 52.2	-0.2	....	....
7.9	P.		II	8 4 51.26	+0.19	....	....	S.	+17 24 47.2	0.0	....	....
8.9	Fk.		II	8 8 42.82	-0.01	....	....	S.	+17 19 10.3	0.0	....	....
11.9	Fk.		II	8 20 29.56	-0.01	....	....	S.	+16 59 36.7	+0.1	....	....
14.9	P.		II	8 32 31.70	+0.11	....	....	S.	+16 35 53.3	+0.1	....	....
15.9	Fk.		II	8 36 35.20	-0.04	....	....	S.	+16 27 2.9	+0.5	....	....
17.9	P.		II	8 44 46.67	+0.18	....	....	S.	+16 7 56.0	+0.2	....	....
18.9	Fk.		II	8 48 53.97	+0.03	....	....	S.	+15 57 41.7	+1.7	....	....
22.9	Fk.		II	9 5 34.13	-0.01	....	....	S.	+15 11 53.9	+0.5	....	....
24.9	P.		II	9 13 59.72	+0.20	....	....	S.	+14 46 12.6	+0.8	....	....
28.9	P.		II	9 30 58.70	+0.26	....	....	S.	+13 49 18.3	-0.4	....	....
Oct. 12.9	P.		II	10 31 16.61	+0.18	....	....	S.	+ 9 36 39.0	-0.6	....	....
13.9	M.		II	10 35 36.79	+0.06	....	....	S.	+ 9 15 43.3	-0.2	....	....
14.9	P.		II	10 39 57.45	+0.26	....	....	S.	+ 8 54 26.2	-0.5	....	....
16.9	P.		II	10 48 38.70	+0.15	....	....	S.	+ 8 10 53.0	-0.6	....	....
26.9	P.		II	11 32 13.06	+0.12	....	....	S.	+ 4 15 45.2	-0.1	....	....
30.9	L.		II	11 49 42.86	+0.22	....	....	C.	+ 2 35 8.8	-0.5	....	....
Nov. 2.9	P.		II	12 2 52.21	+0.14	....	....	S.	+ 1 17 54.4	-0.3	....	....
3.9	L.		II	12 7 15.90	+0.18	....	....	S.	+ 0 51 53.0	+0.1	....	....
4.9	M.		II	12 11 39.68	0.00	....	....	S.	+ 0 25 42.8	-0.7	....	....
5.9	P.		.	12 16 4.02	+0.06	0.65	+0.13	S.	- 0 0 33.2	-0.4	....	....
6.9	L.		II	12 20 28.64	+0.05	....	....	C.	- 0 26 55.0	0.0	....	....
8.9	M.		II	12 29 18.90	-0.08	....	....	S.	- 1 19 54.2	+0.6	....	....
11.9	M.		II	12 42 37.78	-0.01	....	....	S.	- 2 39 54.1	-1.7	....	....
12.9	P.		.	12 47 5.05	+0.02	0.60	+0.09	S.	- 3 6 37.4	-1.2	....	....
15.9	M.		II	13 0 29.99	-0.02	....	....	S.	- 4 26 51.3	0.0	....	....
16.9	P.		.	13 4 59.59	+0.09	0.65	+0.15	S.	- 4 53 36.6	-1.6	....	....
18.9	M.		II	13 14 0.35	-0.03	....	....	S.	- 5 46 55.6	0.0	....	....
19.9	P.		.	13 18 31.92	+0.10	0.58	+0.10	S.	- 6 13 30.9	+0.1	....	....
20.9	L.		II	13 23 4.05	+0.09	....	....	C.	- 6 40 1.6	+0.6	....	....
26.9	P.		.	13 50 33.12	+0.19	0.62	+0.15	S.	- 9 16 56.9	-1.7	....	....
Dec. 2.9	P.		.	14 18 33.52	+0.13	0.60	+0.14	C.	-11 47 55.6	-1.5	....	....
7.9	P.		.	14 42 21.67	+0.03	0.67	+0.21	C.	-13 47 11.6	-0.7	....	....
15.9	L.		.	15 36 25.22	+0.08	0.51	+0.06	C.	-16 41 19.4	-0.3	....	....
18.9	L.		.	15 36 25.22	+0.08	0.51	+0.06	C.	-17 40 8.8	+0.7	....	....
28.9	P.		.	16 27 37.57	+0.15	0.56	+0.13	C.	-20 24 57.6	+0.7	....	....
30.9	M.		.	16 38 4.99	+0.11	0.47	+0.04	C.	-20 51 28.2	-1.8	....	....
1909												
Jan. 1.9	L.		.	16 48 36.33	+0.11	0.51	+0.08	C.	-21 15 32.6	+0.4	....	....
5.9	L.		.	17 9 49.56	+0.06	0.47	+0.04	C.	-21 56 22.5	+0.8	....	....
17.9	M.		.	18 14 29.22	+0.02	0.41	0.00	C.	-22 55 43.9	0.0	....	....
18.9	P.		.	18 19 54.77	+0.15	0.55	+0.14	C.	-22 56 12.3	+0.5	....	....
19.9	L.		.	18 25 20.19	+0.10	0.51	+0.10	C.	-22 55 58.8	+1.0	....	....
25.9	L.		.	18 57 50.49	+0.11	0.55	+0.14	C.	-22 39 59.5	+0.6	....	....
29.9	L.		.	19 19 23.98	+0.14	0.47	+0.07	C.	-22 15 27.5	+1.0	....	....
Feb. 1.9	P.		.	19 35 28.06	+0.07	0.52	+0.13	C.	-21 49 56.9	+1.0	....	....
3.0	L.		.	19 40 47.95	-0.04	0.47	+0.08	C.	-21 40 7.7	+0.4	....	....
5.0	P.		.	19 51 25.80	+0.15	0.49	+0.10	C.	-21 18 32.1	-0.7	....	....
8.0	P.		.	20 7 15.84	+0.09	0.50	+0.11	C.	-20 41 19.7	+0.2	....	....
11.0	M.		.	20 22 57.43	+0.04	0.38	0.00	C.	-19 58 36.9	-0.5	....	....
18.0	M.	W.	.	20 58 57.68	-0.08	0.35	-0.02	C.	-17 58 48.0	+0.8	....	....

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLIV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1909			°	h m s	s	s	s		° ' "	"	"	"
Feb. 26.0	P.	W.	.	21 38 58.68	+0.13	0.54	+0.19	C.	-15 11 17.8	+0.4	....	....
27.0	L.		.	21 43 53.57	+0.10	0.45	+0.10	C.	-14 48 19.7	+1.3	....	....
Mar. 1.0	M.		.	21 53 39.98	+0.04	0.26	-0.09	C.	-14 1 13.3	+0.7	....	....
5.0	P.		.	22 12 59.97	+0.05	0.53	+0.19	C.	-12 22 30.4	-0.5	....	....
8.0	M.		C.	22 27 19.19	-0.01	....	....	C.	-11 4 53.2	+0.8	....	....
12.0	P.		II	22 46 12.26	+0.16	....	....	C.	- 9 17 18.9	+0.4	....	....
17.0	L.		C.	23 9 30.46	+0.08	....	....	C.	- 6 57 18.7	+2.1	....	....
18.0	M.		C.	23 14 8.05	+0.06	....	....	C.	- 6 28 42.8	+1.4	....	....
20.0	L.		C.	23 23 21.40	-0.02	0.45	+0.11	C.	- 5 30 59.8	+0.5	....	....
22.0	M.		C.	23 32 32.83	+0.11	....	....	C.	- 4 32 41.2	-0.4	....	....
23.0	P.		.	23 37 7.70	+0.05	0.49	+0.15	C.	- 4 3 19.1	+0.1	....	....
26.0	P.		.	23 50 50.20	+0.11	0.47	+0.14	C.	- 2 34 35.3	+1.1	....	....
29.0	M.		C.	0 4 29.82	+0.07	....	....	C.	- 1 5 11.5	+0.8	....	....
Apr. 1.0	M.		C.	0 18 7.84	+0.05	....	....	C.	+ 0 24 34.6	+0.6	....	....
5.0	M.		C.	0 36 17.97	+0.02	....	....	C.	+ 2 24 17.2	0.0	....	....
6.0	P.		C.	0 40 50.79	+0.10	....	....	C.	+ 2 54 8.8	+0.3	....	....
9.0	P.		C.	0 54 30.10	+0.08	....	....	C.	+ 4 23 20.4	-0.1	....	....
12.0	M.		C.	1 8 11.98	+0.02	....	....	C.	+ 5 51 44.9	0.0	....	....
15.0	M.		C.	1 21 57.64	+0.01	....	....	C.	+ 7 19 2.5	+0.3	....	....
16.0	P.		C.	1 26 33.93	+0.08	....	....	C.	+ 7 47 50.1	+0.4	....	....
17.0	L.	W.	.	1 31 10.69	+0.04	0.43	+0.10	C.	+ 8 16 27.6	+0.7	....	....
May 11.0	P.	E.	.	....	....	....	....	C.	+18 19 12.7	0.0	....	....
12.0	L.		.	3 31 2.43	0.00	0.47	+0.12	C.	+18 39 29.2	-0.2	....	....
17.0	M.		C.	3 56 19.70	-0.02	....	....	C.	+20 13 17.0	-0.1	....	....
18.0	P.		C.	4 1 26.65	+0.13	....	....	C.	+20 30 26.7	+0.2	....	....
June 1.0	P.		C.	5 14 43.95	+0.12	....	....	C.	+23 27 19.4	-0.1	....	....
16.0	L.		.	6 35 17.48	+0.05	0.42	+0.05	C.	+24 9 46.6	-0.6	....	....
18.0	L.		.	6 46 2.11	+0.02	0.44	+0.07	C.	+24 3 17.5	0.0	....	....
19.0	M.		C.	6 51 23.89	+0.01	....	....	C.	+23 58 57.8	-0.6	....	....
21.0	L.		.	7 2 6.11	+0.06	0.41	+0.04	C.	+23 48 12.0	-0.6	....	....
22.0	M.		.	7 7 26.35	+0.03	0.38	+0.01	C.	+23 41 45.7	-0.6	....	....
23.0	L.		.	7 12 46.08	+0.11	0.44	+0.07	C.	+23 34 38.0	-0.1	....	....
25.0	L.		.	7 23 23.16	-0.04	0.44	+0.06	C.	+23 18 16.6	-0.5	....	....
26.0	M.		.	7 28 40.64	-0.04	0.36	-0.02	C.	+23 9 4.5	-0.5	....	....
29.1	M.		.	7 44 27.95	-0.02	0.32	-0.06	C.	+22 37 26.8	-0.5	....	....
July 30.1	L.		.	7 49 41.80	-0.07	0.46	+0.08	C.	+22 25 35.7	0.0	....	....
8.1	M.		C.	8 30 54.74	+0.05	....	....	C.	+20 28 10.7	+0.2	....	....
9.1	P.		.	8 35 58.65	+0.04	0.53	+0.15	C.	+20 10 49.0	-0.2	....	....
24.1	P.		I	9 49 27.59	+0.02	....	....	C.	+14 49 18.5	-0.3	....	....
26.1	M.		.	9 58 54.40	+0.08	0.37	-0.02	C.	+13 58 58.5	-0.2	....	....
Aug. 29.1	P.		I	10 12 55.73	0.00	....	....	C.	+12 40 47.5	+0.3	....	....
19.1	L.		.	11 47 18.43	+0.05	0.42	+0.01	C.	+ 2 29 17.1	-0.6	....	....
20.1	P.		I	11 51 41.31	-0.03	....	....	C.	+ 1 58 26.9	-0.3	....	....
21.1	L.		.	11 56 4.06	+0.08	0.47	+0.06	C.	+ 1 27 32.4	-0.3	....	....
23.1	L.		.	12 4 48.60	+0.13	0.50	+0.09	C.	+ 0 25 35.0	+0.3	....	....
Sept. 24.1	P.		.	12 9 10.50	+0.11	0.51	+0.09	C.	- 0 5 28.3	-0.8	....	....
2.1	M.		I	12 48 25.16	+0.01	....	....	C.	- 4 44 15.8	+0.5	....	....
7.1	P.		.	13 10 18.80	-0.01	0.54	+0.09	C.	- 7 16 46.6	+0.7	....	....
13.1	L.		I	13 36 49.23	-0.07	....	....	C.	-10 15 2.4	+1.7	....	....
14.1	P.		.	13 41 16.45	+0.07	0.58	+0.10	C.	-10 44 7.3	-0.3	....	....
17.1	M.		.	....	....	....	....	C.	-12 9 52.7	-0.1	....	....
18.1	P.		.	13 59 11.68	+0.07	0.56	+0.07	C.	-12 37 58.1	-0.5	....	....
28.1	P.		I	14 44 56.63	-0.03	....	....	C.	-17 1 52.2	-0.9	....	....
30.1	P.	E.	I	14 54 16.63	-0.07	....	....	C.	-17 50 18.5	-0.4	....	....

VENUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1909				h m s	s	s	s		° ' " °	"	"	"
Oct. 5 1	P.	E.	I	15 17 54.27	+0.05	....	....	C.	-19 43 54.0	+1.3	....	....
8.1	P.		I	15 32 16.93	+0.02	....	....	C.	-20 46 30.0	-0.1	....	....
9.1	L.		I	15 37 6.50	+0.02	....	....	C.	-21 6 20.6	+0.9	....	....
12.1	P.		I	15 51 41.13	+0.12	....	....	C.	-22 2 47.4	-0.9	....	....
15.1	P.		I	16 6 23.86	+0.02	....	....	C.	-22 54 13.7	+0.8	....	....
19.1	P.		I	16 26 12.51	+0.06	....	....	C.	-23 54 39.6	+0.9	....	....
20.1	M.		I	16 31 11.46	+0.09	....	....	C.	-24 8 15.4	+0.2	....	....
22.1	M.		I	16 41 11.00	-0.01	....	....	C.	-24 33 33.0	-0.7	....	....
26.1	P.		I	17 1 15.91	+0.02	....	....	C.	-25 16 19.3	+0.9	....	....
29.1	P.		I	17 16 22.56	+0.03	....	....	C.	-25 41 27.0	+0.2	....	....
Nov. 1.1	M.		I	17 31 29.79	0.00	....	....	C.	-26 0 26.9	-0.2	....	....
27.1	L.		I	19 37 43.10	+0.03	....	....	S.	-24 29 46.4	+1.4	....	....
Dec. 8.1	M.		I	20 24 42.72	-0.07	....	....	S.	-21 50 37.4	+0.1	....	....
14.1	M.		I	20 55 3.55	0.00	....	....	S.	-20 2 1.7	+0.7	....	....
16.1	M.		I	20 55 3.55	0.00	....	....	S.	-19 23 12.2	+1.6	....	....
17.1	L.		I	20 58 35.16	-0.01	....	....	S.	-19 3 23.2	+1.5	....	....
22.1	L.		I	21 15 13.42	-0.03	....	....	S.	-17 20 55.5	+0.9	....	....
1910												
Jan. 4.1	P.		I	21 49 18.22	-0.04	....	....	S.	-12 43 22.3	+1.9	....	....
7.1	P.		I	21 54 54.68	-0.02	....	....	S.	-11 40 49.3	+2.0	....	....
10.1	M.		I	21 59 30.60	-0.12	....	....	S.	-10 40 19.6	+0.5	....	....
15.1	L.		I	22 4 41.47	-0.19	....	....	S.	-9 6 15.6	+0.8	....	....
25.1	P.		I	22 4 14.88	-0.06	....	....	S.	-6 40 3.5	+1.6	....	....
Feb. 1.0	M.		I	21 54 49.76	-0.10	....	....	S.	-5 47 28.4	+0.5	....	....
2.0	P.		I	21 52 56.28	-0.11	....	....	S.	-5 44 0.2	+1.4	....	....
4.0	P.		I	21 48 49.41	-0.13	....	....	S.	-5 40 14.9	+1.7	....	....
5.0	L.		I	21 46 37.30	-0.18	....	....	S.	-5 39 58.3	+0.2	....	....
8.0	P.		I	21 39 35.78	-0.01	....	....	S.	-5 45 8.2	+2.5	....	....
18.0	P.		II	21 16 4.00	+0.28	....	....	S.	-6 56 28.0	+0.5	....	....
19.0	L.		II	21 14 5.02	+0.10	....	....	S.	-7 6 37.4	+1.6	....	....
24.9	P.		II	21 5 2.41	+0.30	....	....	S.	-8 11 0.2	-0.4	....	....
25.9	L.		II	21 4 3.96	+0.13	....	....	S.	-8 21 37.6	+1.7	....	....
Mar. 3.9	P.		II	21 1 42.88	+0.21	....	....	N.	-9 20 24.0	+0.1	....	....
8.9	L.		II	21 17 13.66	+0.18	....	....	N.	-9 58 32.7	+0.9	....	....
17.9	P.		II	21 17 13.66	+0.18	....	....	N.	-10 34 2.6	+0.5	....	....
18.9	M.		II	21 19 14.96	+0.02	....	....	N.	-10 35 7.8	+0.2	....	....
20.9	M.		II	21 23 35.62	+0.16	....	....	N.	-10 35 30.9	+0.6	....	....
22.9	L.		II	21 28 17.97	+0.09	....	....	N.	-10 33 30.9	+1.8	....	....
24.9	P.		II	21 33 20.55	+0.12	....	....	N.	-10 29 11.7	+0.3	....	....
28.9	P.		II	21 44 19.12	+0.21	....	....	N.	-10 13 26.6	-0.1	....	....
Apr. 6.9	M.		II	22 12 26.18	+0.05	....	....	N.	-9 4 43.3	+1.4	....	....
7.9	P.		II	22 15 47.67	+0.32	....	....	N.	-8 54 22.7	+2.2	....	....
21.9	P.		II	23 5 53.23	+0.20	....	....	N.	-5 40 30.0	+0.5	....	....
24.9	M.		II	23 17 11.33	+0.10	....	....	N.	-4 48 24.3	-0.3	....	....
25.9	P.		II	23 20 59.57	+0.26	....	....	N.	-4 30 18.0	+1.2	....	....
26.9	L.		II	23 24 48.39	+0.05	....	....	N.	-4 11 53.1	+1.0	....	....
May 3.9	L.		II	23 51 55.54	+0.25	....	....	N.	-1 54 23.5	+0.9	....	....
5.9	P.		II	23 59 47.31	+0.35	....	....	N.	-1 12 41.4	+1.0	....	....
9.9	P.		II	0 15 38.74	+0.28	....	....	N.	+0 13 18.3	+1.0	....	....
12.9	P.		II	0 27 39.01	+0.17	....	....	N.	+1 19 42.2	+1.0	....	....
23.9	M.		II	1 12 31.82	+0.17	....	....	N.	+5 31 52.3	-0.1	....	....
26.9	P.		II	1 25 1.77	+0.32	....	....	N.	+6 41 43.2	+1.0	....	....
27.9	L.		II	1 29 12.94	-0.06	....	....	N.	+7 4 59.2	+1.1	....	....
June 1.9	M.		II	1 50 23.66	+0.05	....	....	N.	+9 0 40.5	+0.4	....	....
3.9	L.		II	1 58 58.35	+0.25	....	....	C.	+9 46 27.2	+1.2	....	....
5.9	M.		II	2 7 36.44	+0.07	....	....	N.	+10 31 45.0	-0.4	....	....
6.9	P.		II	2 11 57.20	+0.26	....	....	N.	+10 54 13.5	+0.1	....	....
19.9	M.		II	3 9 58.89	+0.07	....	....	N.	+15 28 33.6	-0.7	....	....
21.9	P.	E.	II	3 19 11.46	+0.19	....	....	N.	+16 6 55.7	0.0	....	....

MARS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1905				h m s	s	s	s	s		° ' "	"	"	"	"
Feb. 6.7	Br.	E.	.	14 38 24.47	-0.09	+0.01	0.43	+0.15	C.	-13 36 57.6	+1.0	+0.6	....	....
9.7	Br.	.	.	14 43 18.38	+0.03	+0.13	0.40	+0.11	C.	-13 59 47.9	+0.2	-0.3	....	....
17.7	M.	.	.	14 55 38.85	-0.05	+0.06	0.38	+0.07	C.	-14 55 32.8	+1.3	+0.9	....	....
20.7	Br.	.	.	14 59 58.52	-0.03	+0.09	0.42	+0.11	C.	-15 14 33.1	+0.3	-0.2	....	....
23.7	Br.	.	.	15 4 6.94	-0.11	+0.02	0.38	+0.06	C.	-15 32 28.5	+0.7	+0.2	....	....
Mar. 24.7	M.	.	.	15 5 27.12	-0.10	+0.03	0.30	-0.03	C.	-15 38 12.9	+0.7	+0.2	....	....
1.7	Y.	.	.	15 11 46.15	-0.03	+0.10	0.39	+0.04	C.	-16 5 6.4	+1.4	+0.8	....	....
10.7	M.	.	.	15 21 23.10	-0.09	+0.07	0.39	0.00	C.	-16 45 53.8	+1.0	+0.3	....	....
12.7	Y.	.	.	15 23 10.53	-0.04	+0.12	0.38	-0.02	C.	-16 53 36.9	+1.4	+0.7	....	....
13.7	Br.	.	.	15 24 0.99	-0.16	0.00	0.44	+0.04	C.	-16 57 17.3	+1.8	+1.1	....	....
15.7	Y.	.	.	15 25 35.87	-0.04	+0.12	0.40	-0.01	C.	-17 4 17.3	+1.3	+0.6	....	....
25.6	Br.	.	.	15 31 9.28	-0.19	0.00	0.45	-0.01	C.	-17 31 55.5	+2.1	+1.3	....	....
26.6	Y.	.	.	15 31 28.66	-0.08	+0.11	0.48	+0.01	C.	-17 34 1.0	+1.6	+0.8	....	....
27.6	Br.	.	.	15 31 44.99	-0.24	-0.05	0.54	+0.07	C.	-17 35 58.8	+1.1	+0.3	....	....
28.6	M.	.	.	15 31 58.69	-0.20	0.00	0.41	-0.07	C.	-17 37 48.1	+1.5	+0.7	....	....
Apr. 30.6	Br.	.	.	15 32 17.34	-0.23	-0.03	0.53	+0.04	C.	-17 41 2.8	+2.5	+1.6	....	....
31.6	M.	.	.	15 32 22.34	-0.17	+0.04	0.44	-0.05	C.	-17 42 29.8	+1.5	+0.6	....	....
7.6	M.	.	.	15 31 31.33	-0.20	+0.03	0.56	+0.03	C.	-17 48 44.9	+2.2	+1.2	....	....
9.6	Y.	.	.	15 30 48.67	-0.19	+0.04	0.51	-0.03	C.	-17 49 10.7	[+9.7]	[+8.7]	....	....
13.6	Br.	.	.	15 28 45.54	-0.25	0.00	0.56	0.00	C.	-17 48 43.8	+1.9	+0.8	....	....
May 18.6	M.	.	.	15 25 2.38	-0.32	-0.06	0.56	-0.02	C.	-17 44 50.3	+1.2	0.0	....	....
12.5	Y.	.	.	14 53 50.00	-0.35	-0.06	0.62	-0.03	C.	-16 42 1.5	+2.3	+0.7	....	....
16.5	Br.	.	.	14 47 55.22	-0.35	-0.06	0.73	+0.08	C.	-16 27 47.8	+2.4	+0.8	....	....
20.5	M.	.	.	14 42 18.09	-0.23	+0.06	0.64	-0.01	C.	-16 14 6.8	+2.4	+0.7	....	....
21.4	Br.	.	.	14 40 57.59	-0.34	-0.06	0.72	+0.07	C.	-16 10 50.4	+3.5	+1.8	....	....
June 23.4	Br.	.	.	14 38 22.49	-0.32	-0.04	0.70	+0.05	C.	-16 4 36.4	+3.3	+1.6	....	....
27.4	M.	.	.	14 33 38.73	-0.32	-0.05	0.61	-0.03	C.	-15 53 30.7	+2.7	+1.0	....	....
1.4	Br.	Ei.-Y.	.	14 28 43.05	-0.26	0.00	0.59	-0.04	C.	-15 42 58.7	+3.4	+1.7	....	....
2.4	Br.	.	.	14 27 52.72	-0.25	+0.01	0.62	-0.01	C.	-15 41 24.5	+3.2	+1.5	....	....
9.4	Br.	.	.	14 23 29.96	-0.25	-0.01	0.62	+0.02	C.	-15 36 8.0	+2.9	+1.3	....	....
1907														
May 20.6	Hi.	.	.	19 17 24.65	-0.18	+0.03	0.62	+0.01	C.	-24 24 54.6	+1.4	+1.5	....	....
29.6	M.	.	.	19 22 34.04	-0.22	+0.01	0.69	+0.02	C.	-24 50 13.6	+0.7	+0.8	....	....
June 3.6	P.	.	.	19 23 42.83	-0.21	+0.03	0.71	0.00	C.	-25 9 2.3	-0.2	-0.1	....	....
16.6	M.	.	.	19 20 20.53	-0.22	+0.05	0.81	-0.01	C.	-26 12 47.5	-0.2	-0.1	....	....
17.6	P.	.	.	19 19 42.26	-0.29	-0.02	0.78	-0.05	C.	-26 18 21.9	0.0	+0.1	....	....
July 26.5	Hi.	.	.	19 11 51.30	-0.31	-0.02	0.88	-0.01	C.	-27 9 47.5	+1.2	+1.3	....	....
30.5	P.	.	.	19 7 20.41	-0.19	+0.10	0.88	-0.02	C.	-27 31 58.5	0.0	+0.1	....	....
3.5	P.	.	.	19 3 39.43	-0.23	+0.06	0.96	+0.04	C.	-27 47 36.4	+0.5	+0.5	....	....
7.5	Hi.	.	.	18 58 30.53	-0.37	-0.08	0.89	-0.04	C.	-28 6 31.3	0.0	0.0	....	....
21.4	Hi.	.	.	18 41 30.66	-0.23	+0.04	0.86	-0.07	C.	-28 48 17.7	+1.3	+1.1	....	....
Aug. 23.4	Hi.	.	.	18 39 34.22	-0.22	+0.05	0.89	-0.04	C.	-28 50 52.6	+1.3	+1.1	....	....
27.4	P.	.	.	18 36 15.58	-0.16	+0.10	0.87	-0.04	C.	-28 53 38.7	+0.9	+0.7	....	....
29.4	M.	.	.	18 34 54.89	-0.24	+0.01	0.83	-0.07	C.	-28 53 53.5	+1.1	+0.9	....	....
30.4	Hi.	.	.	18 34 19.57	-0.25	0.00	0.90	0.00	C.	-28 53 44.8	+1.4	+1.2	....	....
29.3	M.	.	.	18 44 45.41	0.00	+0.14	....	....	C.	-27 49 31.1	+1.0	+0.9	....	....
Sept. 7.3	M.	.	.	18 57 15.61	+0.02	+0.13	0.69	+0.04	C.	-27 12 3.7	+1.2	+1.1	....	....
10.3	Ei.-M.	.	.	19 2 10.08	-0.04	+0.06	0.54	-0.09	C.	-26 57 34.1	+1.9	+1.8	....	....
12.3	M.	.	.	19 5 37.41	-0.12	-0.02	0.65	+0.03	C.	-26 47 18.3	+2.2	+2.1	....	....
13.3	Hi.-M.	.	.	19 7 24.25	-0.13	-0.04	0.53	-0.08	C.	-26 42 0.5	+1.1	+1.0	....	....
14.3	P.-M.	.	.	19 9 13.26	+0.03	+0.12	0.69	+0.08	C.	-26 36 32.8	+2.5	+2.4	....	....
16.3	M.	.	.	19 12 56.57	-0.11	-0.02	0.57	-0.03	C.	-26 25 18.3	+1.4	+1.3	....	....
1909														
Aug. 19.6	L.	.	.	0 33 18.38	+0.12	-0.03	0.83	+0.08	C.	- 2 17 13.9	+1.2	-0.1	....	....
21.6	L.	.	.	0 33 33.02	+0.10	-0.06	0.83	+0.07	C.	- 2 18 14.6	+2.0	+0.7	....	....
22.6	P.	E.	.	0 33 35.63	+0.15	-0.01	0.83	+0.07	C.	- 2 19 7.6	+2.5	+1.1	....	....

MARS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to		Vertical Semi-diameter	Correction to Am. Eph.
					Am. Eph.	Ross's Tables.					Am. Eph.	Ross's Tables.		
1909				h m s	s	s	s	s		° ' "	"	"	"	"
Aug. 26.6	P.	E.	.	0 33 13.85	+0.14	-0.04	0.86	+0.07	C.	- 2 25 6.3	+1.8	+0.4	....	....
30.6	M.	.	.	0 32 1.39	+0.22	+0.04	0.78	-0.03	C.	- 2 34 39.0	+2.7	+1.3	....	....
Sept. 1.6	L.	.	.	0 31 6.45	+0.14	-0.05	0.94	+0.12	C.	- 2 40 39.1	+2.8	+1.4	....	....
2.6	M.	.	.	0 30 34.54	+0.19	0.00	0.81	-0.02	C.	- 2 43 55.6	+2.9	+1.4	....	....
14.5	P.	.	.	0 20 43.25	+0.28	+0.06	0.90	+0.04	C.	- 3 33 29.4	+1.8	+0.2	....	....
17.5	M.	.	.	0 17 29.99	+0.20	-0.02	0.87	0.00	C.	- 3 47 3.0	+1.9	+0.2	....	....
18.5	P.	.	.	0 16 23.29	+0.24	+0.01	0.93	+0.06	C.	- 3 51 29.4	+2.0	+0.4	....	....
26.5	P.	.	.	0 7 14.17	+0.29	+0.06	0.98	+0.13	C.	- 4 23 7.1	+1.9	+0.2	....	....
28.5	P.	.	.	0 4 59.45	+0.34	+0.11	0.95	+0.10	C.	- 4 29 22.4	+3.0	+1.4	....	....
29.5	L.	.	.	0 3 53.28	+0.25	+0.02	0.90	+0.05	C.	- 4 32 11.9	+2.8	+1.1	....	....
30.5	P.	.	.	0 2 48.32	+0.30	+0.07	0.95	+0.11	C.	- 4 34 47.3	+3.1	+1.5	....	....
Oct. 1.5	M.	.	.	0 1 44.49	+0.25	+0.02	0.86	+0.02	C.	- 4 37 8.3	+3.7	+2.1	....	....
22.4	M.	.	.	23 47 46.48	+0.20	-0.01	0.72	+0.01	C.	- 4 22 17.2	+3.0	+1.6	....	....
24.4	P.	.	.	23 47 30.95	+0.27	+0.07	0.80	+0.10	C.	- 4 14 5.1	+1.7	+0.4	....	....
25.4	M.	.	.	23 47 27.63	+0.25	+0.05	0.72	+0.03	C.	- 4 9 32.2	+2.7	+1.4	....	....
26.4	P.	E.	.	23 47 27.36	+0.32	+0.12	0.81	+0.12	C.	- 4 4 44.1	+2.5	+1.2	....	....
27.4	L.	E.	.	23 47 29.83	+0.22	+0.02	0.85	+0.17	C.	- 3 59 39.9	+2.4	+1.1	....	....

JUPITER.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1903				h m s	s	s	s		° ' "	"	"	"
Sept. 6.5	R.	W.	.	23 19 55.56	+0.10	1.65	-0.04	C.	- 5 45 59.6	+1.3	....	....
10.5	Ei.-Y.	.	.	23 19 26.14	+0.01	1.66	-0.03	C.	- 5 58 42.5	-0.1	....	....
11.5	Ei.-Y.	.	.	23 18 56.77	-0.01	1.64	-0.05	C.	- 6 1 51.9	+0.6	....	....
12.5	Ei.-Y.	.	.	23 17 58.17	+0.07	1.66	-0.03	C.	- 6 5 1.6	+0.5	....	....
14.5	Ei.-Y.	.	.					C.	- 6 11 18.5	+0.9	....	....
Oct. 4.4	L.	.	.	23 8 50.90	-0.03	1.72	+0.06	C.	- 7 7 58.1	+0.4	....	....
14.4	R.	W.	.	23 5 16.29	+0.02	1.61	-0.02	C.	- 7 28 54.1	+0.7	....	....
15.4	Ei.-Y.	.	.	23 4 58.01	+0.11	1.59	-0.04	C.	- 7 30 38.7	+0.1	....	....
1904												
Sept. 15.6	M.	E.	.	1 50 6.51	+0.05	1.58	-0.06	C.	+ 9 41 22.0	+1.8	....	....
16.6	T.	.	.	1 49 46.97	+0.07	1.54	-0.11	C.	+ 9 39 21.2	+0.6	....	....
22.6	T.	.	.	1 47 37.25	+0.06	1.61	-0.06	C.	+ 9 26 19.2	+1.5	....	....
25.6	M.	.	.	1 46 25.13	+0.10	1.62	-0.06	C.	+ 9 19 9.7	+1.6	....	....
26.6	T.	.	.	1 46 0.02	+0.03	1.63	-0.05	C.	+ 9 16 41.8	+2.0	....	....
Oct. 1.5	Ei.-Y.	.	.	1 43 48.26	+0.06	1.65	-0.04	C.	+ 9 3 45.9	+1.3	....	....
18.5	Ei.-Y.	.	.	1 35 26.31	+0.05	1.64	-0.07	C.	+ 8 15 31.6	+1.6	....	....
21.5	Br.	.	.	1 33 54.83	+0.06	1.70	0.00	C.	+ 8 6 50.6	+0.9	....	....
22.5	Ei.-M.	.	.	1 33 24.48	+0.07	1.62	-0.08	C.	+ 8 3 58.3	+0.5	....	....
23.5	Br.	.	.	1 32 54.16	+0.01	1.68	-0.02	C.	+ 8 1 7.2	+0.5	....	....
27.5	Ei.-M.	.	.	1 30 54.62	+0.06	1.64	-0.06	C.	+ 7 49 54.3	+1.0	....	....
28.5	Br.	.	.	1 30 25.13	0.00	1.68	-0.01	C.	+ 7 47 9.5	+1.2	....	....
Nov. 5.4	Y.	.	.	1 26 39.99	+0.03	1.59	-0.09	C.	+ 7 26 19.6	+0.5	....	....
17.4	Y.	.	.	1 21 53.74	+0.02	1.53	-0.11	C.	+ 7 0 41.0	+1.3	....	....
18.4	Br.	.	.	1 21 33.46	+0.01	1.58	-0.05	C.	+ 6 58 55.4	+1.1	....	....
19.4	Y.	E.	.	1 21 13.85	+0.04	1.51	-0.12	C.	+ 6 57 13.5	+0.7	....	....
20.4	Br.	E.	.	1 20 54.82	+0.02	1.64	+0.02	C.	+ 6 55 36.1	+0.8	....	....
1905												
Sept. 12.7	Hi.	W.	.	4 18 13.88	-0.05	1.46	-0.06	C.	+20 23 36.1	+1.7	....	....
13.7	Bs.	W.	.	4 18 23.92	+0.06	1.58	+0.06	C.	+20 23 54.4	+1.6	....	....

JUPITER.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1905				h m s	s	s	s		° ' "	"	"	"
Sept. 14. 7	Hl.	W.	.	4 18 32.97	-0.01	1.44	-0.08	C.	+20 24 10.8	+1.6	....	...
15. 7	Bs.		.	4 18 41.47	+0.18	1.52	-0.01	C.	+20 24 25.6	+2.0	....	...
18. 7	Bs.		.	4 19 1.49	+0.13	1.56	+0.02	C.	+20 24 55.8	+0.6	....	...
21. 7	Hl.		.	4 19 13.88	-0.07	1.50	-0.06	C.	+20 25 9.8	+0.7	....	...
24. 7	Hl.		.	4 19 18.97	-0.06	1.54	-0.03	C.	+20 25 6.8	+1.6	....	...
26. 7	Bs.		.	4 19 18.23	+0.05	1.58	0.00	C.	+20 24 54.6	+1.9	....	...
27. 7	Hl.		.	4 19 16.49	+0.01	1.52	-0.07	C.	+20 24 44.4	+0.8	....	...
29. 7	Hl.		.	4 19 10.44	-0.08	1.52	-0.08	C.	+20 24 20.8	+1.5	....	...
Oct. 4. 6	Hl.		.	4 18 40.69	-0.10	1.56	-0.06	C.	+20 22 44.6	+0.6	....	...
12. 6	Br.		.	4 17 10.25	+0.08	1.71	+0.05	C.	+20 18 32.4	+1.2	....	...
29. 6	Hl.		.	4 11 16.21	+0.05	1.69	-0.03	C.	+20 3 7.3	+0.9	....	...
Nov. 1. 6	Hl.		.	4 9 54.14	0.00	1.70	-0.03	C.	+19 59 34.7	+1.2	....	...
Dec. 11. 4	Hl.		.	3 48 23.42	-0.01	1.70	-0.03	C.	+19 1 55.7	+1.3	....	...
12. 4	Br.	W.	.	3 47 53.96	0.00	1.72	-0.01	C.	+19 0 35.5	+1.4	....	...
1907												
Dec. 12. 7	M.	E.	.	9 4 4.78	+0.04	1.46	-0.05	C.	+17 25 46.0	+0.9	....	...
18. 6	M.		.	9 2 54.35	+0.04	1.52	-0.01	C.	+17 32 7.3	+0.4	....	...
19. 6	Hl.		.	9 2 39.89	-0.07	1.50	-0.04	C.	+17 33 22.1	+0.8	....	...
20. 6	P.		.	9 2 25.00	+0.12	1.57	+0.03	C.	+17 34 38.6	-0.2	....	...
21. 6	Hl.		.	9 2 9.04	-0.04	1.52	-0.02	C.	+17 35 59.4	+0.2	....	...
1908												
Jan. 24. 5	P.		.	8 47 30.44	-0.05	1.71	+0.08	C.	+18 42 4.2	+0.1	....	...
25. 5	M.		.	8 46 58.32	+0.01	1.60	-0.03	C.	+18 44 18.2	+0.1	....	...
Feb. 7. 5	P.		.	8 39 59.08	+0.01	1.66	+0.03	C.	+19 12 29.6	+0.5	....	...
19. 4	P.		.	8 34 2.16	0.00	1.65	+0.03	C.	+19 35 10.7	-0.1	....	...
24. 4	M.		.	8 31 51.07	+0.02	1.55	-0.06	C.	+19 43 11.6	-0.3	....	...
26. 4	P.		.	8 31 2.33	-0.02	1.66	+0.06	C.	+19 46 8.1	+0.2	....	...
Mar. 9. 4	M.		.	8 27 2.82	-0.03	1.52	-0.04	C.	+20 0 9.7	+0.3	....	...
10. 4	Hl.		.	8 26 47.26	-0.13	1.48	-0.07	C.	+20 1 2.6	+0.5	....	...
12. 4	Hl.		.	8 26 18.59	-0.08	1.55	+0.01	C.	+20 2 39.4	+0.2	....	...
14. 4	P.		.	8 25 52.93	+0.01	1.54	0.00	C.	+20 4 5.4	+0.1	....	...
25. 3	P.	E.	.	8 24 26.19	-0.03	1.54	+0.04	C.	+20 8 40.5	+0.3	....	...
1909												
Feb. 4. 6	P.	W.	.	10 57 22.03	+0.08	1.62	+0.12	C.	+ 8 7 26.7	-1.1	....	...
11. 6	P.		.	10 54 28.64	+0.10	1.60	+0.09	C.	+ 8 26 36.5	+1.0	....	...
13. 6	M.		.	10 53 35.57	+0.01	1.48	-0.03	C.	+ 8 32 21.6	+0.9	....	...
17. 5	M.		.	10 51 45.89	+0.04	1.52	0.00	C.	+ 8 44 8.6	+0.8	....	...
18. 5	P.		.	10 51 17.89	+0.12	1.61	+0.08	C.	+ 8 47 6.9	-0.3	....	...
20. 5	L.		.	10 50 20.97	0.00	1.58	+0.05	C.	+ 8 53 8.6	0.0	....	...
25. 5	P.		.	10 47 56.30	+0.02	1.60	+0.07	C.	+ 9 8 20.2	+0.9	....	...
27. 5	L.		.	10 46 57.74	-0.03	1.56	+0.03	C.	+ 9 14 23.1	-0.3	....	...
28. 5	P.		.	10 46 28.52	+0.05	1.60	+0.07	C.	+ 9 17 25.5	+0.5	....	...
Mar. 2. 5	P.		.	10 45 29.94	+0.05	1.62	+0.09	C.	+ 9 23 26.6	+0.5	....	...
5. 5	P.		.	10 44 2.40	+0.07	1.60	+0.07	C.	+ 9 32 22.9	+0.9	....	...
11. 5	L.		.	10 41 10.36	+0.02	1.57	+0.04	C.	+ 9 49 39.4	-0.1	....	...
15. 5	M.		.	10 39 19.69	-0.06	1.46	-0.06	C.	+10 0 37.6	+1.7	....	...
17. 5	L.		.	10 38 26.06	-0.04	1.53	+0.01	C.	+10 5 50.3	-0.6	....	...
20. 4	L.	W.	.	10 37 8.19	+0.02	1.55	+0.03	C.	+10 13 25.3	+0.5	....	...
1910												
Feb. 26. 6	L.	E.	.	12 51 18.66	+0.02	1.46	+0.01	C.	- 3 49 30.0	-0.7	....	...
Mar. 4. 6	L.		.	12 49 18.18	+0.04	1.48	+0.02	C.	- 3 35 38.3	-0.4	....	...
5. 6	P.		.	12 48 56.31	+0.03	1.53	+0.07	C.	- 3 33 8.5	+0.5	....	...
13. 6	M.		.	12 45 45.86	+0.08	1.50	+0.02	C.	- 3 11 47.3	+1.7	....	...
22. 5	P.		.	12 41 46.34	+0.10	1.54	+0.04	C.	- 2 45 32.6	+0.2	....	...
23. 5	L.		.	12 41 18.48	-0.06	1.55	+0.05	C.	- 2 42 32.5	-0.1	....	...
24. 5	M.	E.	.	12 40 50.73	+0.05	1.50	0.00	C.	- 2 39 31.2	+0.2	....	...

JUPITER.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1910				h m s	s	s	s		° ' "	"	"	"
Mar. 26.5	L.	E.	.	12 39 54.59	-0.02	1.53	+0.03	C.	- 2 33 27.7	+0.5	....	....
Apr. 2.5	P.	.	.	12 36 36.45	+0.07	1.50	0.00	C.	- 2 12 15.3	+0.6	....	....
19.4	P.	.	.	12 28 57.42	+0.03	1.55	+0.06	C.	- 1 24 22.0	+0.5	....	....
22.4	P.	.	.	12 27 44.82	+0.05	1.54	+0.06	C.	- 1 16 59.6	+0.1	....	....
26.4	P.	.	.	12 26 13.66	+0.02	1.52	+0.05	C.	- 1 7 50.3	+0.4	....	....
27.4	L.	.	.	12 25 51.87	-0.09	1.44	-0.03	C.	- 1 5 40.6	+0.7	....	....
28.4	M.	.	.	12 25 30.73	-0.01	1.42	-0.05	C.	- 1 3 33.9	+1.3	....	....
30.4	L.	E.	.	12 24 49.67	-0.09	1.50	+0.04	C.	- 0 59 32.8	+0.2	....	....

SATURN.

[No connection for personal equation, see pages A CLXIII and A CLXV nor for equinox, see page A CLIV, has been applied.]

1904												
July 10.6	R.	W.	.	21 30 8.87	+0.06	0.62	-0.02	C.	-15 56 41.2	+1.5	....	....
11.6	Br.	.	.	21 29 55.19	-0.01	0.62	-0.02	C.	-15 57 56.5	+0.5	....	....
12.6	M.	.	.	21 29 41.34	0.00	0.62	-0.02	.	....	....	....	....
13.6	R.	.	.	21 29 27.37	+0.12	0.58	-0.06	C.	-16 0 27.1	+1.5	....	....
18.6	Ei.-Y.	.	.	21 28 13.42	+0.02	0.62	-0.03	C.	-16 7 2.3	+1.1	....	....
19.6	Ei.-Y.	.	.	21 27 58.05	+0.04	0.62	-0.03	C.	-16 8 23.6	+1.3	....	....
25.6	Br.	.	.	21 26 21.88	-0.11	0.60	+0.05	C.	-16 16 45.2	+1.3	....	....
26.5	T.	.	.	21 26 5.24	-0.20	0.50	-0.15	C.	-16 18 10.7	+1.3	....	....
29.5	Ei.-Y.	.	.	21 25 14.98	-0.02	0.62	-0.03	C.	-16 22 29.3	+1.5	....	....
31.5	M.	.	.	21 24 40.88	+0.06	0.64	-0.01	C.	-16 25 23.5	+1.2	....	....
Aug. 3.5	Ei.-Y.	W.	.	21 23 48.79	-0.07	0.60	-0.05	C.	-16 29 45.3	+1.6	....	....
Sept. 7.4	Ei.-Y.	E.	.	21 14 1.58	0.00	0.62	-0.03	C.	-17 16 33.5	+1.5	....	....
21.4	M.	.	.	21 11 7.56	-0.01	0.64	0.00	C.	-17 29 27.8	+1.3	....	....
23.4	M.	.	.	21 10 47.48	-0.09	0.60	-0.04	C.	-17 30 54.7	+0.8	....	....
26.4	M.	E.	.	21 10 20.08	0.00	0.60	-0.04	C.	-17 32 53.0	+0.3	....	....
1905												
Aug. 15.5	Hi.	W.	.	22 10 58.16	-0.04	0.58	-0.07	C.	-12 59 52.1	+0.9	....	....
17.5	Br.	.	.	22 10 24.15	+0.03	0.66	+0.01	C.	-13 3 11.6	+1.7	....	....
18.5	Hi.	.	.	22 10 6.90	-0.09	0.59	-0.06	C.	-13 4 50.9	+2.6	....	....
19.5	Br.	.	.	22 9 49.78	-0.02	0.62	-0.03	C.	-13 6 32.1	+1.5	....	....
23.5	M.	.	.	22 8 40.80	+0.04	0.58	-0.07	C.	-13 13 12.6	+0.4	....	....
26.5	Hi.	.	.	22 7 48.85	-0.07	0.72	+0.07	C.	-13 18 7.6	+2.0	....	....
30.5	Hi.	.	.	22 6 40.15	-0.05	0.62	-0.03	C.	-13 24 37.6	+1.1	....	....
Sept. 4.5	Hi.	.	.	22 5 15.67	-0.07	0.62	-0.03	C.	-13 32 28.2	+2.2	....	....
6.5	Hi.	.	.	22 4 42.66	-0.01	0.63	-0.02	C.	-13 35 31.3	+1.9	....	....
7.5	Bs.	.	.	22 4 26.46	+0.15	0.64	-0.01	C.	-13 37 1.5	+1.7	....	....
8.5	Hi.	.	.	22 4 10.07	-0.02	0.64	-0.01	C.	-13 38 29.8	+2.4	....	....
12.4	Bs.	.	.	22 3 6.85	+0.14	0.55	-0.10	C.	-13 44 14.6	+2.4	....	....
14.4	Bs.	.	.	22 2 36.10	+0.07	0.68	+0.03	C.	-13 47 0.3	+2.0	....	....
15.4	Hi.	.	.	22 2 20.92	-0.06	0.62	-0.03	C.	-13 48 21.2	+1.8	....	....
1906												
Aug. 22.5	Hi.	.	.	22 59 4.36	-0.04	0.61	-0.04	C.	- 8 44 41.3	+1.6	....	....
30.5	Br.	.	.	22 56 51.95	+0.03	0.65	0.00	C.	- 8 59 8.9	+0.6	....	....
Sept. 3.5	Hi.	.	.	22 55 44.15	-0.01	0.61	-0.04	C.	- 9 6 22.2	+2.1	....	....
5.5	P.	.	.	22 55 10.16	+0.02	0.57	-0.08	C.	- 9 9 59.2	+1.4	....	....
19.5	Ei.-Y.	.	.	22 51 15.64	-0.14	0.58	-0.07	C.	- 9 34 11.9	+1.3	....	....
20.5	Ei.-Y.	.	.	22 50 59.68	0.00	0.58	-0.07	C.	- 9 35 49.0	+1.6	....	....
24.4	Ei.-Y.	.	.	22 49 56.68	-0.06	0.61	-0.04	C.	- 9 42 6.9	+0.9	....	....
Oct. 12.4	Hi.	.	.	22 45 53.56	-0.14	0.66	+0.02	C.	-10 5 24.4	+1.1	....	....
13.4	P.	.	.	22 45 42.63	0.00	0.63	-0.01	C.	-10 6 24.2	+1.8	....	....
15.4	Hi.	.	.	22 45 21.32	-0.08	0.64	0.00	C.	-10 8 19.4	+1.5	....	....
25.4	Hi.	W.	.	22 43 54.89	+0.01	0.64	+0.01	C.	-10 15 44.7	+1.9	....	....
1907												
Oct. 23.4	P.	E.	.	23 32 48.22	+0.16	0.69	+0.06	C.	- 5 33 43.8	+0.9	....	....
24.4	M.	.	.	23 32 36.53	+0.01	0.61	-0.02	C.	- 5 34 48.7	+1.8	....	....
25.4	P.	E.	.	23 32 25.35	+0.09	0.73	+0.10	C.	- 5 35 53.1	+1.1	....	....

SATURN.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1907				h m s	s	s	s		° ' "	"	"	"
Oct. 29.4	Hi.	E.	.	23 31 43.28	+0.03	0.59	-0.04	C.	- 5 39 44.6	+2.5	....	...
30.4	P.	.	.	23 31 33.62	+0.10	0.66	+0.03	C.	- 5 40 38.0	+1.7	....	...
Nov. 1.4	Hi.	.	.	23 31 15.10	+0.06	0.58	-0.05	C.	- 5 42 15.9	+2.1	....	...
4.4	M.	.	.	23 30 49.90	+0.07	0.62	-0.01	C.	- 5 44 26.6	+1.4	....	...
5.4	Hi.	.	.	23 30 42.11	-0.01	0.59	-0.04	C.	- 5 45 5.2	+1.3	....	...
7.4	M.	.	.	23 30 27.82	+0.07	0.59	-0.03	C.	- 5 46 15.1	+1.3	....	...
14.3	M.	.	.	23 29 49.06	+0.10	0.60	-0.02	C.	- 5 49 1.0	+1.4	....	...
Dec. 6.3	Hi.	.	.	23 29 49.54	-0.04	0.64	+0.04	C.	- 5 44 10.4	+1.3	....	...
7.3	P.	E.	.	23 29 54.21	+0.09	0.64	+0.04	C.	- 5 43 29.6	-0.3	....	...
1908												
Aug. 30.6	M.	W.	.	0 36 51.49	+0.02	0.62	-0.03	C.	+ 1 7 20.0	+0.7	....	...
31.6	P.	.	.	0 36 38.45	+0.10	0.70	+0.05	C.	+ 1 5 44.0	+0.6	....	...
Sept. 6.6	P.	.	.	0 35 14.85	+0.16	0.68	+0.03	C.	+ 0 55 43.7	+1.9	....	...
8.6	P.	.	.	0 34 45.28	+0.19	0.76	+0.11	C.	+ 0 52 14.8	+2.1	....	...
11.5	Fk.	.	.	0 33 59.28	0.00	0.66	+0.01	C.	+ 0 46 53.8	+1.5	....	...
14.5	M.	.	.	0 33 11.98	+0.03	0.62	-0.04	C.	+ 0 41 25.5	+0.4	....	...
15.5	P.	.	.	0 32 55.96	+0.09	0.72	+0.06	C.	+ 0 39 36.3	+1.5	....	...
16.5	Fk.	.	.	0 32 39.65	0.00	0.66	0.00	C.	+ 0 37 45.4	+1.6	....	...
Oct. 6.5	P.	.	.	0 27 0.39	+0.11	0.70	+0.04	C.	+ 0 0 22.9	+1.5	....	...
7.5	L.	.	.	0 26 43.30	+0.02	0.64	-0.02	C.	- 0 1 25.6	+1.5	....	...
12.5	M.	.	.	0 25 19.54	+0.07	0.66	0.00	C.	- 0 10 15.2	+1.6	....	...
20.4	P.	.	.	0 23 11.54	+0.11	0.70	+0.05	C.	- 0 23 24.8	+1.9	....	...
26.4	M.	.	.	0 21 42.81	+0.14	0.64	-0.01	C.	- 0 32 17.3	+0.9	....	...
31.4	L.	.	.	0 20 34.94	+0.01	0.68	+0.03	C.	- 0 38 51.1	+1.4	....	...
Nov. 2.4	M.	W.	.	0 20 9.70	+0.07	0.61	-0.04	C.	- 0 41 15.8	+0.6	....	...
1909												
Sept. 14.6	P.	E.	.	1 24 56.87	+0.08	0.73	+0.07	C.	+ 5 58 33.2	+1.3	....	...
17.6	M.	.	.	1 24 14.47	+0.04	0.64	-0.03	C.	+ 5 53 49.9	+1.3	....	...
18.6	P.	.	.	1 23 59.99	+0.16	0.72	+0.05	C.	+ 5 52 13.1	+1.2	....	...
26.6	P.	.	.	1 21 55.87	+0.21	0.68	+0.01	C.	+ 5 38 45.9	+1.4	....	...
28.5	P.	.	.	1 21 23.05	+0.18	0.72	+0.05	C.	+ 5 35 16.6	+1.5	....	...
29.5	L.	.	.	1 21 6.28	+0.02	0.70	+0.03	C.	+ 5 33 30.6	+0.9	....	...
30.5	P.	.	.	1 20 49.64	+0.13	0.72	+0.05	C.	+ 5 31 45.3	+1.6	....	...
Oct. 1.5	M.	.	.	1 20 32.74	+0.11	0.64	-0.03	C.	+ 5 29 58.7	+1.5	....	...
22.5	M.	.	.	1 14 25.49	+0.08	0.65	-0.02	C.	+ 4 52 43.3	+1.2	....	...
25.5	M.	.	.	1 13 33.97	+0.04	0.66	-0.01	C.	+ 4 47 42.2	+1.2	....	...
26.5	P.	.	.	1 13 17.10	+0.11	0.71	+0.04	C.	+ 4 46 3.6	+0.9	....	...
27.5	L.	.	.	1 13 0.23	+0.07	0.72	+0.05	C.	+ 4 44 26.1	+0.6	....	...
28.5	M.	.	.	1 12 43.54	+0.08	0.64	-0.03	C.	+ 4 42 50.5	+1.1	....	...
29.5	L.	.	.	1 12 26.92	+0.02	0.70	+0.03	C.	+ 4 41 14.9	+0.5	....	...
30.5	P.	.	.	1 12 10.63	+0.14	0.75	+0.08	C.	+ 4 39 41.3	+0.8	....	...
1910												
Sept. 21.6	M.	.	.	2 16 54.35	+0.08	0.67	0.00	C.	+10 51 12.8	+0.9	....	...
22.6	L.	.	.	2 16 41.76	+0.02	0.68	+0.01	C.	+10 49 56.9	+0.2	....	...
26.6	P.	.	.	2 15 48.76	+0.18	0.74	+0.07	C.	+10 44 43.6	+1.0	....	...
Oct. 16.5	P.	.	.	2 10 26.07	+0.09	0.75	+0.06	C.	+10 14 38.9	+1.2	....	...
17.5	M.	.	.	2 10 8.10	-0.01	0.69	0.00	C.	+10 13 1.8	+0.5	....	...
20.5	M.	.	.	2 9 14.03	+0.06	0.70	+0.01	C.	+10 8 11.6	+0.6	....	...
22.5	L.	.	.	2 8 37.55	+0.04	0.74	+0.05	C.	+10 4 57.7	+0.7	....	...
23.5	M.	.	.	2 8 19.23	+0.03	0.71	+0.02	C.	+10 3 21.3	+1.3	....	...
24.5	P.	.	.	2 8 1.00	+0.16	0.74	+0.05	C.	+10 1 43.6	+0.5	....	...
25.5	L.	.	.	2 7 42.53	+0.08	0.75	+0.06	C.	+10 0 6.9	+0.6	....	...
28.5	P.	.	.	2 6 47.38	+0.15	0.75	+0.06	C.	+ 9 55 19.1	+1.7	....	...
Nov. 11.4	P.	.	.	2 2 35.63	+0.09	0.73	+0.05	C.	+ 9 33 58.3	+1.4	....	...
17.4	M.	.	.	2 0 55.54	+0.18	0.68	0.00	C.	+ 9 25 48.2	+1.1	....	...
19.4	P.	.	.	2 0 23.63	+0.10	0.73	+0.05	C.	....	....	....	...
20.4	L.	E.	.	2 0 8.04	+0.09	0.70	+0.02	C.	+ 9 22 1.3	+1.0	....	...

URANUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1904				h m s	s	s	"		° ' "	"	"	"
June 3.5	Br.	W.	C.	17 53 49.36	+0.13	....	....	C.	-23 38 28.3	+0.3	....	....
8.5	Ei.-Y.		C.	17 52 57.99	+0.16	....	....	C.	-23 38 23.5	+0.6	....	....
12.5	R.		C.	17 52 15.96	+0.09	....	....	C.	-23 38 18.5	+0.8	....	....
17.5	Ei.-Y.		C.	17 51 22.92	+0.14	....	....	C.	-23 38 11.8	+0.3	....	....
22.5	Ei.-Y.		C.	17 50 29.67	+0.12	....	....	C.	-23 38 2.8	+0.7	....	....
July 24.5	M.		C.	17 50 8.36	+0.03	....	....	C.	-23 37 59.6	0.0	....	....
26.4	Br.		C.	17 45 4.59	+0.11	....	....	C.	-23 36 40.3	+0.5	....	....
27.4	Ei.-Y.		C.	17 44 56.89	+0.07	....	....	C.	-23 36 37.5	+0.8	....	....
29.4	Ei.-Y.		C.	17 44 42.10	+0.14	....	....	C.	-23 36 32.8	+0.5	....	....
30.4	M.		C.	17 44 34.80	+0.04	....	....	C.	-23 36 30.5	+0.3	....	....
Aug. 3.4	Ei.-Y.		C.	17 44 7.70	+0.11	....	....	C.	-23 36 21.1	0.0	....	....
6.4	Ei.-Y.		C.	17 43 49.05	+0.08	....	....	C.	-23 36 13.5	+0.8	....	....
11.3	M.		C.	17 43 21.66	+0.11	....	....	C.	-23 36 2.6	+1.1	....	....
12.3	Br.		C.	17 43 16.65	+0.02	....	....	C.	-23 36 1.5	+0.3	....	....
15.3	Br.	W.	C.	17 43 3.14	+0.08	....	....	C.	-23 35 56.2	+0.2	....	....
1905												
May 27.6	M.	E.	C.	18 14 24.60	+0.11	....	....	C.	-23 39 47.6	+0.4	....	....
June 2.6	M.		C.	18 13 28.52	+0.15	....	....	C.	-23 40 11.4	+0.6	....	....
3.6	Ei.-Y.		C.	18 13 18.78	+0.11	....	....	C.	-23 40 15.8	+0.2	....	....
9.5	Hi.	E.	C.	18 12 19.01	+0.18	....	....	C.	-23 40 39.1	0.0	....	....
Aug. 17.3	M.	W.	C.	18 1 59.19	+0.15	....	....	C.	-23 42 44.7	+0.1	....	....
18.3	Br.		C.	18 1 54.50	+0.12	....	....	C.	-23 42 43.9	+1.0	....	....
19.3	Hi.		C.	18 1 50.02	+0.12	....	....	C.	-23 42 43.1	+1.9	....	....
1906												
June 11.6	Ei.-Y.		C.	18 31 19.67	+0.11	....	....	C.	-23 34 7.8	+0.4	....	....
14.5	Br.		C.	18 30 49.50	+0.12	....	....	C.	-23 34 32.8	+0.3	....	....
22.5	Ei.-Y.		C.	18 29 26.66	+0.09	....	....	C.	-23 35 38.2	+0.1	....	....
25.5	Ei.-Y.		C.	18 28 55.06	+0.11	....	....	C.	-23 36 2.2	-0.1	....	....
29.5	Ei.-Y.		C.	18 28 12.71	+0.06	....	....	C.	-23 36 33.5	-0.3	....	....
July 7.5	Ei.-Y.		C.	18 26 48.55	+0.01	....	....	C.	-23 37 31.8	+0.1	....	....
Aug. 15.4	Ei.-Y.		C.	18 21 11.14	+0.09	....	....	C.	-23 40 47.0	+0.7	....	....
30.3	Ei.-Y.		C.	18 20 2.56	+0.07	....	....	C.	-23 41 16.7	+0.2	....	....
31.3	Ei.-Y.		C.	18 19 59.62	+0.11	....	....	C.	-23 41 17.2	+0.8	....	....
Sept. 5.3	P.		C.	18 19 47.87	+0.14	....	....	C.	-23 41 20.9	+0.9	....	....
6.3	Ei.-Y.		C.	18 19 46.12	+0.11	....	....	C.	-23 41 21.8	+0.4	....	....
1908												
June 13.6	P.		C.	19 8 53.57	+0.24	....	....	C.	-22 55 40.4	+0.5	....	....
15.6	P.		C.	19 8 34.90	+0.29	....	....	C.	-22 56 12.7	+0.8	....	....
16.6	Fk.		C.	19 8 25.28	+0.16	....	....	C.	-22 56 29.0	+1.1	....	....
18.6	P.		C.	19 8 6.12	+0.23	....	....	C.	-22 57 2.7	+0.7	....	....
22.5	Fk.		C.	19 7 26.72	+0.19	....	....	C.	-22 58 9.6	+0.8	....	....
23.5	M.		C.	19 7 16.72	+0.20	....	....	C.	-22 58 26.6	+0.6	....	....
28.5	M.		C.	19 6 25.90	+0.22	....	....	C.	-22 59 51.8	+0.1	....	....
July 1.5	Fk.		C.	19 5 54.83	+0.13	....	....	C.	-23 0 42.0	+0.6	....	....
6.5	P.		C.	19 5 2.82	+0.15	....	....	C.	-23 2 5.6	+1.0	....	....
15.5	Fk.		C.	19 3 29.50	+0.22	....	....	C.	-23 4 32.3	+0.9	....	....
16.5	M.		C.	19 3 19.19	+0.17	....	....	C.	-23 4 48.3	+0.6	....	....
20.5	M.		C.	19 2 38.59	+0.15	....	....	C.	-23 5 50.6	+0.1	....	....
28.4	Fk.		C.	19 1 20.33	+0.12	....	....	C.	-23 7 45.7	+1.0	....	....
29.4	P.		C.	19 1 10.97	+0.17	....	....	C.	-23 7 59.5	+1.0	....	....
Aug. 1.4	Fk.		C.	19 0 43.25	+0.12	....	....	C.	-23 8 40.0	+0.6	....	....
3.4	P.		C.	19 0 25.36	+0.17	....	....	C.	-23 9 5.6	+0.6	....	....
9.4	Fk.	W.	C.	18 59 34.38	+0.15	....	....	C.	-23 10 17.3	+0.6	....	....
1909												
June 15.6	M.	E.	C.	19 27 14.00	+0.07	....	....	C.	-22 24 37.4	-0.7	....	....
16.6	L.	E.	C.	19 27 5.19	+0.23	....	....	C.	-22 24 55.8	+0.6	....	....

URANUS.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1909				h m s	s	s	s		° ' "	"	"	"
June 23.6	L.	E.	C.	19 25 59.86	+0.32	....	....	C.	-22 27 16.5	+1.7	....	....
24.6	M.		C.	19 25 50.09	+0.21	....	....	C.	-22 27 38.8	+0.1	....	....
July 1.5	M.		C.	19 24 40.59	+0.17	....	....	C.	-22 30 5.3	+0.2	....	....
2.5	P.		C.	19 24 30.48	+0.19	....	....	C.	-22 30 26.1	+0.5	....	....
3.5	L.		C.	19 24 20.34	+0.21	....	....	C.	-22 30 47.0	+0.7	....	....
4.5	M.			....	....	....	....	C.	-22 31 8.6	+0.2	....	....
27.5	P.		C.	19 20 15.61	+0.19	....	....	C.	-22 38 54.5	+1.0	....	....
28.5	M.		C.	19 20 5.77	+0.11	....	....	C.	-22 39 14.3	-0.1	....	....
30.4	M.		C.	19 19 46.48	+0.15	....	....	C.	-22 39 50.5	+0.3	....	....
Aug. 1.4	P.			....	....	....	....	C.	-22 40 26.4	+0.3	....	....
2.4	L.		C.	19 19 18.14	+0.19	....	....	C.	-22 40 42.5	+1.9	....	....
4.4	L.		C.	19 18 59.66	+0.21	....	....	C.	-22 41 17.7	+1.1	....	....
6.4	L.		C.	19 18 41.53	+0.16	....	....	C.	-22 41 51.7	+0.8	....	....
1910												
June 21.6	P.		C.	19 44 43.75	+0.33	....	....	C.	-21 47 37.8	+1.3	....	....
22.6	M.		C.	19 44 34.62	+0.19	....	....	C.	-21 48 1.1	+1.5	....	....
23.6	L.		C.	19 44 25.57	+0.23	....	....	C.	-21 48 24.3	+2.0	....	....
24.6	M.		C.	19 44 16.35	+0.19	....	....	C.	-21 48 48.9	+1.3	....	....
25.6	L.		C.	19 44 7.11	+0.23	....	....	C.	-21 49 11.8	+2.4	....	....
26.5	M.		C.	19 43 57.83	+0.31	....	....	C.	-21 49 36.9	+1.4	....	....
July 19.5	L.		C.	19 40 8.20	+0.16	....	....	C.	-21 59 7.7	+1.8	....	....
20.5	M.		C.	19 39 58.01	+0.15	....	....	C.	-21 59 32.8	+1.2	....	....
21.5	P.		C.	19 39 47.95	+0.26	....	....	C.	-21 59 56.3	+2.2	....	....
22.5	M.		C.	19 39 37.75	+0.20	....	....	C.	-22 0 22.4	+0.4	....	....
23.5	P.		C.	19 39 27.67	+0.24	....	....	C.	-22 0 46.7	+0.2	....	....
24.5	M.		C.	19 39 17.56	+0.22	....	....	C.	-22 1 10.8	+0.1	....	....
Aug. 4.4	P.		C.	19 37 29.80	+0.35	....	....	C.	-22 5 21.9	+1.1	....	....
5.4	M.		C.	19 37 20.33	+0.30	....	....	C.	-22 5 43.1	+1.5	....	....
6.4	L.	E.	C.	19 37 10.97	+0.27	....	....	C.	-22 6 4.8	+1.2	....	....

NEPTUNE.

[No correction for personal equation, see pages A CLXIII and A CLXV nor for equinox, see page A CLIV, has been applied.]

1903												
Oct. 12.7	Br.	W.	C.	6 25 43.20	+0.04	....	....	C.	+22 14 46.5	-0.2	....	....
13.7	R.		G.	6 25 42.61	-0.01	....	....	C.	+22 14 44.8	-0.6	....	....
14.7	L.		C.	6 25 41.95	+0.02	....	....	C.	+22 14 44.4	+0.1	....	....
Nov. 3.6	Ei.-Y.		C.	6 24 58.69	0.00	....	....	C.	+22 14 40.2	-0.6	....	....
6.6	Ei.-Y.		C.	6 24 47.52	-0.09	....	....	C.	+22 14 43.6	+0.1	....	....
9.6	Ei.-Y.		C.	6 24 35.32	-0.11	....	....	C.	+22 14 46.8	-0.3	....	....
Dec. 11.5	Ei.-Y.		C.	6 21 29.52	-0.03	....	....	C.	+22 16 8.9	+0.1	....	....
22.5	Ei.-Y.		C.	6 20 10.64	-0.03	....	....	C.	+22 16 50.2	+0.1	....	....
1904												
Jan. 25.4	Ei.-Y.		C.	6 16 14.19	-0.06	....	....	C.	+22 19 10.7	0.0	....	....
27.4	Ei.-Y.		C.	6 16 2.27	-0.04	....	....	C.	+22 19 19.7	+0.8	....	....
30.4	Ei.-Y.		C.	6 15 45.05	0.00	....	....	C.	+22 19 31.2	0.0	....	....
Feb. 23.3	Ei.-R.		C.	6 14 2.13	-0.04	....	....	C.	+22 21 1.9	0.0	....	....
24.3	Ei.-M.		C.	6 13 59.39	-0.06	....	....	C.	+22 21 6.4	+1.1	....	....
25.3	Ei.-R.		C.	6 13 56.76	-0.10	....	....	C.	+22 21 9.0	+0.3	....	....
27.3	Ei.-M.	W.	C.	6 13 52.01	-0.07	....	....	C.	+22 21 15.9	+0.4	....	....
Nov. 24.6	Br.	E.	C.	6 33 6.41	-0.04	....	....	C.	+22 12 7.9	0.0	....	....
Dec. 20.5	Br.		C.	6 30 14.80	0.00	....	....	C.	+22 14 12.7	-0.3	....	....
21.5	Ei.-M.	E.	C.	6 30 7.56	0.00	....	....	C.	+22 14 19.5	+1.0	....	....

NEPTUNE.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1905				h m s	s	s	s		" ' "	"	"	"
Jan. 16.4	Ei.-Y.	E.	C.	6 27 0.89	-0.04	....	....	C.	+22 16 48.4	-0.1	....	....
18.4	Ei.-M.		C.	6 26 47.45	-0.06	....	....	C.	+22 17 0.3	+0.4	....	....
19.4	Y.		C.	6 26 40.83	-0.05	....	....	C.	+22 17 6.2	+0.6	....	....
20.4	Br.		C.	6 26 34.25	-0.06	....	....	C.	+22 17 11.7	+0.4	....	....
Feb. 13.4	Y.		C.	6 24 22.34	-0.01	....	....	C.	+22 19 17.9	+0.8	....	....
14.4	Br.		C.	6 24 18.09	-0.07	....	....	C.	+22 19 21.8	0.0	....	....
15.4	M.		C.	6 24 14.02	-0.07	....	....	C.	+22 19 25.8	-0.6	....	....
16.4	Y.		C.	6 24 10.11	-0.03	....	....	C.	+22 19 30.7	-0.3	....	....
17.4	Br.		C.	6 24 6.24	-0.08	....	....	C.	+22 19 35.6	+0.1	....	....
18.4	Ei.-M.		C.	6 24 2.55	-0.08	....	....	C.	+22 19 40.5	+0.6	....	....
24.3	Ei.-Y.		C.	6 23 43.08	-0.04	....	....	C.	+22 20 5.9	+0.6	....	....
Mar. 10.3	Ei.-Y.		C.	6 23 16.04	-0.09	....	....	C.	+22 20 55.3	+0.1	....	....
Nov. 14.6	Bs.	W.	C.	6 43 47.63	-0.08	....	....	C.	+22 6 0.6	+0.2	....	....
22.6	Hi.		C.	6 43 9.20	-0.08	....	....	C.	+22 6 35.5	+1.7	....	....
Dec. 11.6	Br.		C.	6 41 13.97	-0.02	....	....	C.	+22 8 22.9	+0.1	....	....
13.6	Hi.		C.	6 41 0.33	-0.05	....	....	C.	+22 8 37.1	+1.0	....	....
1906												
Jan. 9.5	Ei.-Y.		C.	6 37 46.18	-0.07	....	....	C.	+22 11 53.3	+0.7	....	....
Feb. 9.4	Br.		C.	6 34 31.76	-0.06	....	....	C.	+22 15 28.4	+0.5	....	....
16.4	Br.		C.	6 33 59.67	-0.03	....	....	C.	+22 16 8.7	-0.2	....	....
19.4	Bs.		C.	6 33 47.67	-0.03	....	....	C.	+22 16 25.8	+0.6	....	....
20.4	Br.		C.	6 33 43.94	-0.01	....	....	C.	+22 16 30.4	-0.1	....	....
24.3	Hi.		C.	6 33 30.14	-0.08	....	....	C.	+22 16 51.6	+1.0	....	....
28.3	Bs.		C.	6 33 18.52	-0.07	....	....	C.	+22 17 9.9	+0.8	....	....
Mar. 2.3	Br.		C.	6 33 13.57	-0.01	....	....	C.	+22 17 18.3	+0.5	....	....
6.3	Br.		C.	6 33 5.23	+0.01	....	....	C.	+22 17 34.3	+0.3	....	....
10.3	Hi.	W.	C.	6 32 59.11	-0.02	....	....	C.	+22 17 49.8	+1.2	....	....
1907												
Nov. 13.6	M.	E.	C.	7 3 25.29	-0.13	....	....	C.	+21 48 15.3	+0.3	....	....
14.6	Hi.		C.	7 3 21.69	-0.04	....	....	C.	+21 48 20.7	+0.9	....	....
24.6	M.		C.	7 2 38.30	-0.10	....	....	C.	+21 49 18.2	-0.1	....	....
25.6	P.		C.	7 2 33.42	-0.03	....	....	C.	+21 49 25.7	+0.5	....	....
Dec. 19.5	Hi.		C.	7 0 7.97	-0.08	....	....	C.	+21 52 53.7	+0.5	....	....
21.5	Hi.		C.	6 59 54.16	-0.05	....	....	C.	+21 53 13.8	+0.4	....	....
1908												
Jan. 15.5	Hi.		C.	6 56 54.62	-0.03	....	....	C.	+21 57 40.5	+0.3	....	....
16.5	P.		C.	6 56 47.54	-0.04	....	....	C.	+21 57 51.8	+1.0	....	....
29.4	P.		C.	6 55 19.89	+0.06	....	....	C.	+22 0 5.8	+0.7	....	....
Feb. 9.4	Hi.		C.	6 54 14.52	-0.04	....	....	C.	+22 1 48.6	+0.6	....	....
19.4	P.		C.	6 53 25.24	-0.04	....	....	C.	+22 3 10.5	+0.6	....	....
20.4	M.		C.	6 53 20.90	-0.05	....	....	C.	+22 3 17.5	+0.1	....	....
21.4	Hi.		C.	6 53 16.64	-0.09	....	....	C.	+22 3 25.3	+0.5	....	....
26.4	P.		C.	6 52 57.42	-0.10	....	....	C.	+22 4 0.0	+0.6	....	....
28.3	Hi.		C.	6 52 50.61	-0.09	....	....	C.	+22 4 12.6	+0.4	....	....
Dec. 7.6	P.	E.	C.	7 11 10.07	-0.06	....	....	C.	+21 39 25.0	+1.1	....	....
8.6	L.	W.	C.	7 11 4.08	-0.04	....	....	C.	+21 39 34.1	+0.1	....	....
20.6	M.		C.	7 9 46.31	-0.10	....	....	C.	+21 41 45.2	+0.2	....	....
27.5	M.		C.	7 8 57.43	-0.11	....	....	C.	+21 43 7.7	-0.2	....	....
28.5	P.		C.	7 8 50.44	+0.01	....	....	C.	+21 43 20.8	+0.8	....	....
29.5	L.		C.	7 8 43.25	-0.04	....	....	C.	+21 43 33.1	+0.9	....	....
1909												
Jan. 1.5	P.		C.	7 8 21.55	-0.19	....	....	C.	+21 44 9.5	+0.3	....	....
3.5	P.		C.	7 8 7.28	-0.01	....	....	C.	+21 44 34.6	+0.5	....	....
6.5	M.		C.	7 7 45.40	-0.19	....	....	C.	+21 45 11.1	-0.2	....	....
18.5	M.		C.	7 6 19.54	-0.12	....	....	C.	+21 47 40.9	+1.2	....	....
20.5	L.	W.	C.	7 6 5.64	-0.06	....	....	C.	+21 48 4.5	+0.5	....	....

NEPTUNE.

[No correction for personal equation, see pages A CLXIII and A CLXV, nor for equinox, see page A CLIV, has been applied.]

Date.	Observer.	Clamp.	Part Observed.	Apparent Right Ascension of Center.	Correc- tion to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correc- tion to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correc- tion to Am. Eph.	Vertical Semi-diameter.	Correc- tion to Am. Eph.
1909				h m s	s	s	s		" ' "	"	"	"
Jan. 21.5	M.	W.	C.	7 5 58.71	-0.07	....	....	C.	+21 48 16.6	+0.5	....	....
22.5	P.		C.	7 5 51.84	-0.06	....	....	C.	+21 48 28.4	+0.3	....	....
26.4	L.		C.	7 5 24.82	-0.11	....	....	C.	+21 49 16.0	+0.7	....	....
31.4	P.		C.	7 4 52.50	-0.05	....	....	C.	+21 50 13.1	+0.5	....	....
Feb. 1.4	M.	W.	C.	7 4 46.15	-0.13	....	....	C.	+21 50 23.6	-0.2	....	....
Dec. 16.6	M.	E.	C.	7 20 2.24	-0.02	....	....	C.	+21 27 15.6	0.0	....	....
17.6	L.		C.	7 19 55.70	-0.08	....	....	C.	+21 27 29.7	+1.7	....	....
31.5	P.		C.	7 18 19.76	-0.09	....	....	C.	+21 30 34.0	+0.3	....	....
1910												
Jan. 3.5	P.		C.	7 17 58.29	-0.12	....	....	C.	+21 31 16.4	+1.1	....	....
7.5	P.		C.	7 17 29.56	-0.05	....	....	C.	+21 32 13.0	+1.9	....	....
8.5	L.		C.	7 17 22.31	-0.09	....	....	C.	+21 32 26.0	+0.9	....	....
10.5	M.		C.	7 17 7.84	-0.13	....	....	C.	+21 32 53.6	+0.3	....	....
15.5	L.		C.	7 16 31.94	-0.13	....	....	C.	+21 34 4.8	+1.4	....	....
16.5	P.		C.	7 16 24.87	-0.07	....	....	C.	+21 34 18.4	+1.0	....	....
19.5	L.		C.	7 16 3.59	-0.11	....	....	C.	+21 34 59.6	+0.6	....	....
25.5	P.		C.	7 15 22.13	-0.01	....	....	C.	+21 36 21.5	+0.7	....	....
26.4	L.		C.	7 15 15.24	-0.13	....	....	C.	+21 36 34.6	+0.4	....	....
29.4	L.		C.	7 14 55.40	+0.01	....	....	C.	+21 37 14.4	+0.7	....	....
Feb. 1.4	M.		C.	7 14 35.86	-0.08	....	....	C.	+21 37 52.8	+0.5	....	....
2.4	P.		C.	7 14 29.53	-0.06	....	....	C.	+21 38 5.7	+0.7	....	....
Dec. 15.6	M.		C.	7 29 54.23	-0.15	....	....	C.	+21 11 11.1	-0.3	....	....
16.6	P.		C.	7 29 48.15	-0.02	....	....	C.	+21 11 25.6	+0.9	....	....
17.6	L.		C.	7 29 41.83	-0.05	....	....	C.	+21 11 38.2	0.0	....	....
20.6	P.		C.	7 29 22.56	-0.08	....	....	C.	+21 12 20.8	+0.9	....	....
26.6	P.		C.	7 28 42.54	-0.01	....	....	C.	+21 13 47.3	+1.0	....	....
1911												
Jan. 4.5	L.		C.	7 27 39.50	-0.04	....	....	C.	+21 16 3.8	+0.8	....	....
9.5	M.		C.	7 27 3.71	-0.08	....	....	C.	+21 17 20.8	+0.3	....	....
10.5	P.		C.	7 26 56.56	-0.06	....	....	C.	+21 17 37.0	+0.9	....	....
15.5	M.		C.	7 26 20.73	-0.04	....	....	C.	+21 18 54.2	+0.1	....	....
16.5	P.		C.	7 26 13.57	-0.05	....	....	C.	+21 19 10.3	+0.6	....	....
23.5	M.		C.	7 25 24.15	-0.06	....	....	C.	+21 20 57.9	+0.2	....	....
24.5	P.		C.	7 25 17.22	-0.05	....	....	C.	+21 21 13.9	+1.0	....	....
28.5	L.		C.	7 24 49.85	-0.08	....	....	C.	+21 22 14.8	+2.1	....	....
30.4	M.		C.	7 24 36.49	-0.05	....	....	C.	+21 22 42.2	0.0	....	....
Feb. 4.4	L.	E.	C.	7 24 4.02	-0.11	....	....	C.	+21 23 54.9	+1.1	....	....

INDIVIDUAL RESULTS
OF OBSERVATIONS OF STARS.

The declinations in this section are the definitive results of the observations, but the right ascensions require the further correction, $-0^s.052$, see page A CLIV, to reduce to the equinox obtained from the Sun observations, pages A 3 to A 24. This correction, together with the magnitude correction given in this section for each star, has been applied in the formation of the Catalogue, pages A 381 to A 452.

INDIVIDUAL RESULTS

OF

OBSERVATIONS OF STARS.

REDUCED TO 1900.0.

33 Piscium				1904				B. D. -3° 2				1906			
$\alpha = 0^h 0^m 13^s.035$ $\delta = -6^\circ 16' 0'' .38$				Sept. 16	Ei.Y.	18.28	27.0 E.	$\alpha = 0^h 2^m$ $\delta = -3^\circ 6'$				Sept. 25	Ei.Y.	+0.05	+0.7 W.
1903				Oct. 11	Ei.P.	18.30	26.2 W.	1903				Oct. 12	Ei.P.	-0.01	+0.6 W.
Sept. 28	Ei.Y.	+0.03	+1.4 W.	Mean.....		18.315	26.98	Sept. 19	Ei.Y.	36.76	19.4 W.	1907			
29	Ei.Y.	+0.05	+1.0	Mag. corr....		+0.003		21	Ei.Y.	36.72	19.5 W.	July 26	P.	-0.03	+0.9 E.
Dec. 11	R.	-0.01	+1.0	B. D. -0° 4619				1904				Aug. 18	Hl.	+0.06	+0.1
17	Br.	+0.06	+0.3	$\alpha = 0^h 1^m$ $\delta = -0^\circ 26'$				Sept. 7	Ei.Y.	36.70	19.1 E.	20	Hl.	+0.04	+0.4
23	R.	+0.03	+0.7	1903				Sept. 6	Ei.Y.	36.78	18.9 W.	25	Hl.	+0.02	+0.6
1904				Oct. 20	Ei.Y.	0.70	6.9 W.	Mean.....				Nov. 25	M.	-0.03	+0.5
Aug. 11	Br.	+0.06	+1.0	22	Ei.Y.	0.71	6.8 W.	Mag. corr....				27	Hl.	+0.01	...
12	T.	+0.04	... W.	1904				5 Ceti				30	P.	-0.02	+0.8
Oct. 10	Ei.Y.	+0.03	+0.2 E.	Oct. 18	Ei.Y.	0.63	6.1 E.	$\alpha = 0^h 3^m$ $\delta = -3^\circ 0'$				Dec. 2	M.	+0.02	+0.6 E.
14	Ei.M.	+0.04	+0.3	1906				1903				1908			
15	Ei.M.	+0.02	+0.9	Sept. 24	Ei.Y.	0.62	6.4 W.	Sept. 24	Ei.Y.	4.81	13.4 W.	Aug. 13	P.	+0.06	+0.9 W.
22	Ei.M.	0.00	+1.1 E.	Mean.....		0.665	6.55	25	Ei.Y.	4.88	14.6	20	Fk.	+0.03	+0.3
1905				Mag. corr....		-0.002		Nov.				Sept. 14	M.	0.00	+0.4
Oct. 9	Hl.	+0.02	+0.4 W.	B. D. -2° 6099				9	L.	4.93	15.5	Dec. 7	M.	+0.03	+0.7
Nov. 6	Bs.	+0.02	...	$\alpha = 0^h 1^m$ $\delta = -1^\circ 47'$				12	L.	4.86	14.4	8	P.	-0.03	+0.5
Dec. 11	Hl.	+0.03	...	1903				24	Br.	4.85	14.4	15	P.	+0.03	+0.1
1906				Sept. 3	Ei.Y.	11.50	37.8 W.	27	Br.	4.88	15.3	26	L.	-0.01	+0.1
Sept. 7	Ei.Y.	0.00	+0.7	12	Ei.Y.	11.45	37.8 W.	30	L.	4.88	15.1 W.	28	M.	+0.06	-0.1 W.
Oct. 12	Ei.P.	+0.01	+0.6 W.	1904				1904				1909			
1907				Oct. 1	Ei.Y.	11.57	37.3 E.	Sept. 15	Ei.Y.	4.91	15.1 E.	Sept. 14	P.	+0.02	+0.4 E.
Sept. 16	Hl.	+0.06	+1.1 E.	1906				Nov. 17	Y.	4.87	14.6	18	P.	-0.01	+0.2
Nov. 13	P.	+0.04	+1.4	Sept. 19	Ei.Y.	11.49	38.0 W.	19	Y.	4.93	15.8	26	P.	-0.05	+0.7
14	M.	+0.02	+1.1	Mean.....		11.502	37.72	21	M.	4.92	14.8	Oct. 22	M.	-0.03	+0.8
15	Hl.	0.00	+1.1	Mag. corr....		-0.002		Dec. 13	Br.	4.89	12.3 E.	25	M.	-0.02	-0.1
16	P.	-0.03	+0.8	B. D. +4° 5089				1906				26	P.	-0.08	+1.1
17	Hl.	0.00	+0.9	$\alpha = 0^h 1^m$ $\delta = +4^\circ 43'$				Sept. 7	Ei.Y.	4.84	15.1 W.	27	L.	-0.03	+0.4
29	Hl.	-0.03	+1.1 E.	1903				Aug. 11	Hl.	4.90	15.0 E.	Nov. 22	M.	-0.03	+0.4
1908				Oct. 12	Ei.Y.	54.89	53.7 W.	Mean.....				Dec. 9	L.	-0.10	+0.2 E.
Sept. 8	P.	+0.04	+1.5 W.	13	Ei.Y.	54.90	53.5 W.	Mag. corr....				Mean.....			
12	P.	-0.02	+1.7	1904				B. D. +2° 3				+0.006			
14	M.	0.00	+0.9	Oct. 22	Ei.M.	54.91	54.8 E.	$\alpha = 0^h 3^m$ $\delta = +2^\circ 53'$				+0.005			
15	P.	+0.01	+1.4	1906				α Andromedæ				1903			
Nov. 21	L.	-0.02	+0.6	Sept. 20	Ei.Y.	54.88	54.5 W.	$\alpha = 0^h 3^m 13^s.106$ $\delta = +28^\circ 32' 16''.83$				Sept. 28	Ei.Y.	14.37	6.7 W.
25	L.	-0.02	+1.1	Mean.....		54.895	54.12	1903				29	Ei.Y.	14.40	6.1 W.
Dec. 3	P.	+0.03	+0.7	Mag. corr....		-0.007		Sept. 6	R.	0.00	+0.9 W.	1904			
7	M.	+0.06	+0.8	B. D. +6° 5242				Oct. 2	Ei.Y.	0.00	+0.8	Sept. 16	Ei.Y.	14.42	6.0 E.
8	P.	-0.06	+1.0	$\alpha = 0^h 1^m$ $\delta = +6^\circ 19'$				29	Ei.Y.	+0.01	-0.4	1906			
9	L.	+0.06	+0.6	1903				Nov. 29	Br.	+0.06	...	Oct. 11	Ei.P.	14.41	6.9 W.
15	P.	0.00	-0.2	Sept. 10	Ei.Y.	56.78	10.3 W.	Dec. 1	Br.	+0.02	0.0	Mean.....			
19	L.	+0.05	...	11	Ei.Y.	56.71	10.1 W.	7	R.	+0.03	+0.4	Mag. corr....			
26	L.	+0.03	+1.2	1904				1904				B. D. -3° 5			
28	M.	+0.06	+0.4 W.	Sept. 15	Ei.Y.	56.68	11.0 E.	July 25	Br.	-0.02	+0.9	$\alpha = 0^h 3^m$ $\delta = -2^\circ 46'$			
1909				1906				Aug. 14	Br.	+0.01	+0.9 W.	1903			
July 7	M.	[+0.05] [+1.3] E.		Oct. 8	Ei.P.	56.72	10.1 W.	Dec. 6	Br.	+0.03	... E.	Oct. 15	Ei.Y.	35.73	44.6 W.
8	P.	[+0.08] [+1.0]		Mean.....		56.722	10.38	1905				19	Ei.Y.	35.71	44.3 W.
Aug. 4	L.	+0.01	+1.1	Mag. corr....		+0.002		Aug. 13	M.	+0.03	+1.0 W.	1904			
30	M.	+0.06	+1.1	B. D. -4° 6019				23	M.	+0.06	+0.5	Oct. 18	Ei.Y.	35.68	44.5 E.
Sept. 28	P.	+0.03	+2.0	$\alpha = 0^h 0^m$ $\delta = -4^\circ 24'$				Sept. 7	Hl.	+0.06	+0.2	1906			
29	L.	-0.03	+1.0	1903				30	Hl.	0.00	+0.9	Sept. 24	Ei.Y.	35.71	44.3 W.
Dec. 18	M.	+0.01	+1.4	Sept. 10	Ei.Y.	56.78	10.3 W.	Oct. 13	Br.	+0.01	+0.2	Mean.....			
1910				11	Ei.Y.	56.71	10.1 W.	Nov. 2	Hl.	+0.05	...	Mag. corr....			
Aug. 21	L.	+0.02	+1.1	1904				8	Bs.	+0.02	-0.7	B. D. -0° 6			
23	L.	+0.04	+0.7	Sept. 15	Ei.Y.	56.68	11.0 E.	14	Br.	+0.04	+0.4	$\alpha = 0^h 3^m$ $\delta = +0^\circ 8'$			
Oct. 15	M.	+0.04	+0.6	1906				22	Bs.	-0.02	-0.1	1903			
Dec. 9	P.	+0.01	+1.6	Oct. 8	Ei.P.	56.72	10.1 W.	Dec. 4	Hl.	0.00	+0.9	Oct. 20	Ei.Y.	44.88	8.8 W.
22	M.	+0.04	+0.7 E.	Mean.....		56.722	10.38	11	Hl.	0.00	...	22	Ei.Y.	44.91	8.4 W.
Mean.....				Mag. corr....		+0.002		18	Bs.	+0.01	+0.3				
Mag. corr....								22	Bs.	-0.04	... W.				
B. D. -4° 6019															
$\alpha = 0^h 0^m$ $\delta = -4^\circ 24'$															
1903															
Oct. 15	Ei.Y.	18.35	27.3 W.												
19	Ei.Y.	18.33	27.4 W.												

1904 Oct. 1 Ei.Y. 44.82 9.6 E. 1906 Sept. 19 Ei.Y. 44.86 9.4 W. Mean..... 44.868 9.05 Mag. corr..... +0.005	1906 Oct. 8 Ei.P. 11.74 15.9 W. Mean..... 11.728 15.35 Mag. corr..... -0.010 B. D. +1° 12 $\alpha = 0^h 5^m$ $\delta = +1^\circ 29'$	1908 Aug. 4 P. 29.79 24.1 W. 9 P. 29.84 22.4 W. Mean..... 29.862 23.24 Mag. corr..... -0.002 B. D. -2° 19 $\alpha = 0^h 7^m$ $\delta = -1^\circ 46'$	1910 Aug. 23 L. +0.04 +0.6 E. Oct. 16 P. +0.04 +0.9 18 P. +0.05 +1.2 Nov. 17 M. (+0.19) +1.0 E. Mean..... +0.021 +0.65 Mag. corr..... +0.001 B. D. +5° 18 (mean) $\alpha = 0^h 8^m$ $\delta = +6^\circ 1'$
β Cassiopeiae $\alpha = 0^h 3^m 50^s.730$ $\delta = +58^\circ 35' 52''.57$	1903 Sept. 10 Ei.Y. 33.38 54.9 W. 11 Ei.Y. 33.33 54.2 W. 1904 Sept. 7 Ei.Y. 33.29 55.3 E. 1906 Sept. 6 Ei.Y. 33.34 55.7 W. Mean..... 33.335 55.02 Mag. corr..... +0.002 B. D. -4° 7 $\alpha = 0^h 6^m$ $\delta = -3^\circ 52'$	1903 Sept. 28 Ei.Y. 32.66 59.4 W. 29 Ei.Y. 32.63 60.1 W. 1904 Oct. 18 Ei.Y. 59.7 E. 24 Ei.Y. 32.65 60.9 E. 1906 Sept. 24 Ei.Y. 32.64 60.3 W. Mean..... 32.645 60.08 Mag. corr..... +0.008 γ Pegasi $\alpha = 0^h 8^m 5^s.137$ $\delta = +14^\circ 37' 39''.40$	1903 Oct. 15 Ei.Y. 32.38 27.8 W. 19 Ei.Y. 32.35 28.3 W. 1904 Oct. 1 Ei.Y. 32.27 29.1 E. 1906 Sept. 19 Ei.Y. 32.32 28.4 W. Mean..... 32.330 28.40 Mag. corr..... -0.007 B. D. -4° 12 $\alpha = 0^h 8^m$ $\delta = -4^\circ 27'$
1904 Sept. 22 T. +0.01 +0.7 E. 25 M. -0.09 -0.3 Oct. 28 Br. -0.07 -0.1 Nov. 5 Y. -0.06 15 Br. -0.05 +0.7 E. 1905 Dec. 13 Bs. +0.01 +0.7 W. 21 Hl. -0.08 +0.3 26 Hl. -0.08 +0.6 1906 Sept. 4 P. -0.08 -0.2 1908 Aug. 2 P. -0.08 +0.1 W. Mean..... -0.057 +0.28 Mag. corr..... +0.004 B. D. +4° 8 $\alpha = 0^h 4^m$ $\delta = +4^\circ 16'$	1903 Sept. 19 Ei.Y. 2.41 38.7 W. 21 Ei.Y. 2.37 39.0 W. 1904 Oct. 10 Ei.Y. 2.45 38.9 E. 1906 Sept. 7 Ei.Y. 2.44 38.3 W. Mean..... 2.418 38.72 Mag. corr..... +0.014 B. D. +7° 13 $\alpha = 0^h 6^m$ $\delta = +7^\circ 23'$	1903 Sept. 12 Ei.Y. 0.00 -0.4 W. 14 Ei.Y. +0.04 0.0 19 Ei.Y. +0.06 +0.3 21 Ei.Y. +0.01 0.0 Oct. 27 Ei.Y. +0.02 +2.2 29 Ei.Y. +0.03 0.0 Nov. 7 R. +0.03 +0.5 1904 July 25 Br. -0.03 +1.5 Aug. 2 T. 0.00 0.0 W. Oct. 10 Ei.Y. +0.02 0.0 E. 14 Ei.M. +0.04 -0.7 Dec. 6 Br. +0.06 13 Br. +0.02 +0.6 E. 1905 Aug. 15 Hl. +0.01 +1.2 W. Nov. 2 Hl. +0.04 21 Br. +0.02 -0.5 Dec. 1 Br. 0.00 +1.4 6 Bs. +0.02 +0.9 7 Hl. -0.01 +0.9 11 Hl. 0.00 13 Bs. +0.06 +0.1 1906 Sept. 2 Hl. 0.00 25 Ei.Y. +0.03 +1.2 Oct. 11 Ei.P. -0.02 +1.1 12 Ei.P. +0.03 +1.0 15 Ei.P. +0.03 -0.3 W. 1907 July 26 P. -0.02 +0.7 E. Aug. 11 Hl. +0.01 +0.5 14 P. +0.01 +0.6 18 Hl. +0.11 +0.8 Sept. 20 P. 0.00 +0.7 Dec. 2 M. +0.04 +0.5 E. 1908 Sept. 15 P. -0.01 +1.5 W. 16 Fk. +0.01 +1.3 Dec. 28 M. +0.05 +0.4 W. 1909 June 11 M. [-0.02] [-0.4] E. July 9 L. [+0.02] [+0.5] 10 P. [-0.03] [+0.3] Sept. 14 P. -0.01 +0.8 18 P. +0.06 +0.7 30 P. +0.02 +1.2 Oct. 1 M. +0.05 +1.1 22 M. -0.02 +0.3 25 M. -0.01 +0.9 E.	1903 Oct. 20 Ei.Y. 54.18 52.4 W. 22 Ei.Y. 54.10 52.1 W. 1904 Oct. 22 Ei.M. 54.08 51.4 E. 1906 Sept. 20 Ei.Y. 54.10 51.7 W. Mean..... 54.115 51.90 Mag. corr..... +0.006 B. D. +0° 22 $\alpha = 0^h 9^m$ $\delta = +0^\circ 44'$
22 Andromedæ $\alpha = 0^h 5^m 7^s.301$ $\delta = +45^\circ 30' 56''.81$	1903 Sept. 3 Ei.Y. 47.25 32.8 W. 12 Ei.Y. 47.21 32.8 W. 1904 Oct. 22 Ei.M. 47.26 33.2 E. 1906 Sept. 20 Ei.Y. 47.24 33.4 W. Mean..... 47.240 33.05 Mag. corr..... 0.000 B. D. +39° 21 $\alpha = 0^h 6^m$ $\delta = +39^\circ 50'$	1907 Nov. 13 P. 19.43 34.5 E. 16 P. 19.44 34.7 E. 1908 Nov. 21 L. 19.40 34.1 W. 25 L. 19.42 34.1 Dec. 9 L. 19.43 34.1 19 L. 19.43 34.2 W. Mean..... 19.425 34.28 Mag. corr..... 0.000 κ^2 Sculptoris $\alpha = 0^h 6^m$ $\delta = -28^\circ 21'$	1903 Sept. 3 Ei.Y. 28.97 27.9 W. 5 Ei.Y. 28.99 27.9 W. 1904 Sept. 15 Ei.Y. 29.02 28.5 E. 1906 Oct. 8 Ei.P. 28.98 28.2 W. Mean..... 28.990 28.12 Mag. corr..... +0.012 B. D. -1° 14 $\alpha = 0^h 9^m$ $\delta = -0^\circ 51'$
1903 Dec. 5 Br. -0.10 +0.1 W. 15 Br. -0.09 -0.2 18 M. -0.08 +1.0 23 R. -0.07 +0.2 1904 Aug. 11 Br. -0.06 +0.8 W. 1907 July 30 P. -0.12 +0.1 E. Aug. 13 Hl. -0.02 +0.8 Oct. 23 P. +0.01 +0.8 24 M. -0.14 +0.9 25 P. -0.05' +0.5 E. Mean..... -0.072 +0.50 Mag. corr..... 0.000 B. D. -6° 11 $\alpha = 0^h 5^m$ $\delta = -5^\circ 48'$	1903 Nov. 12 L. 29.87 22.7 W. 30 L. 29.87 22.7 1905 Dec. 30 Hl. 29.86 23.8 W. 1907 Aug. 7 P. 29.84 23.8 E. 12 P. 29.89 23.8 Oct. 30 P. 29.88 23.3 Nov. 4 M. 29.88 23.6 7 M. 29.90 22.2 E. 1909 June 11 M. [-0.02] [-0.4] E. July 9 L. [+0.02] [+0.5] 10 P. [-0.03] [+0.3] Sept. 14 P. -0.01 +0.8 18 P. +0.06 +0.7 30 P. +0.02 +1.2 Oct. 1 M. +0.05 +1.1 22 M. -0.02 +0.3 25 M. -0.01 +0.9 E.	1903 Oct. 12 Ei.Y. 42.64 31.2 W. 13 Ei.Y. 42.61 31.0 W. 1904 Sept. 7 Ei.Y. 42.64 31.0 E. 1906 Sept. 6 Ei.Y. 42.64 30.8 W. Mean..... 42.632 31.00 Mag. corr..... 0.000 35 Piscium $\alpha = 0^h 9^m$ $\delta = +8^\circ 15'$	1903 Sept. 10 Ei.Y. 49.83 56.8 W. 11 Ei.Y. 49.79 56.0 Nov. 12 L. 49.78 56.8 30 L. 49.67 56.7 Dec. 1 Br. 49.79 56.7 5 Br. 49.78 57.0 15 Br. 49.82 56.5 23 R. 49.79 56.2 W.

1904 Oct. 10 Ei.Y. 49.76 56.5 E. 1906 Oct. 12 Ei.P. 49.78 56.9 W. 1907 July 29 Hl. 49.77 56.3 E. Aug. 1 Hl. 49.76 57.5 20 Hl. 49.81 Sept. 16 Hl. 49.86 56.9 Nov. 25 M. 49.76 57.3 E. Mean..... 49.783 56.72 Mag. corr.... -0.004 B. D. +5° 25 $\alpha = 0^h 10^m$ $\delta = +5^\circ 17'$	B. D. +3° 26 $\alpha = 0^h 10^m$ $\delta = +3^\circ 41'$ 1903 Sept. 24 Ei.Y. 49.27 45.6 W. 25 Ei.Y. 49.32 44.9 W. 1904 Oct. 14 Ei.M. 49.32 44.2 E. 1906 Sept. 24 Ei.Y. 49.30 44.6 W. Mean..... 49.302 44.82 Mag. corr.... +0.012 B. D. +7° 27 $\alpha = 0^h 11^m$ $\delta = +7^\circ 41'$	1904 Sept. 7 Ei.Y. 39.56 59.2 E. 1906 Sept. 6 Ei.Y. 39.58 59.2 W. Mean..... 39.540 58.60 Mag. corr.... +0.019 B. D. -2° 31 $\alpha = 0^h 12^m$ $\delta = -2^\circ 25'$ 1903 Oct. 12 Ei.Y. 41.39 6.3 W. 13 Ei.Y. 41.35 6.1 W. 1904 Oct. 14 Ei.M. 41.37 7.0 E. 1906 Oct. 12 Ei.P. 41.42 6.2 W. Mean..... 41.382 6.40 Mag. corr.... +0.009 σ Andromedæ $\alpha = 0^h 13^m 50.080$ $\delta = +36^\circ 13' 50.63$	1903 Sept. 12 Ei.Y. +0.01 +0.1 W. 14 Ei.Y. +0.04 +0.9 19 Ei.Y. +0.01 +0.6 21 Ei.Y. -0.02 +0.4 24 Ei.Y. +0.06 +0.5 25 Ei.Y. 0.00 +0.5 Nov. 28 R. +0.03 +0.7 Dec. 1 Br. +0.01 +0.6 W. 1904 Oct. 13 Ei.Y. +0.04 +0.7 E. 15 Ei.M. +0.07 +0.4 18 Ei.Y. +0.10 +1.3 24 Ei.Y. +0.04 +1.0 6 Br. +0.02 13 Br. +0.11 +0.4 E. 1905 Oct. 9 Hl. +0.01 +0.1 W. Dec. 30 Hl. +0.03 +0.2 1906 Sept. 2 Hl. +0.07 Oct. 8 Ei.P. +0.07 +0.1 12 Ei.P. +0.01 +0.9 15 Ei.P. +0.01 +0.3 W. 1907 Dec. 2 M. +0.07 +0.9 E. 1908 Dec. 3 P. +0.04 -0.4 W. 7 M. +0.12 +1.0 8 P. -0.04 +0.8 15 P. +0.05 0.0 31 M. +0.02 +0.8 W. 1909 June 11 M. [-0.02] [+0.2] E. July 7 M. [+0.02] [+0.6] Aug. 4 L. +0.01 +0.7 19 L. +0.01 +0.4 21 L. +0.03 +1.3 22 P. +0.11 +0.4 26 P. +0.04 -0.1 30 M. +0.05 +1.0 Sept. 1 L. +0.05 +0.7 28 P. +0.01 +1.4 29 L. +0.05 +0.1 Oct. 25 M. +0.03 +0.2 26 P. +0.10 +0.2 Nov. 22 M. +0.06 +0.4 Dec. 18 M. +0.01 +0.8 1910 Aug. 21 L. +0.08 +0.4 Oct. 15 M. +0.08 +0.1 Dec. 9 P. +0.04 +1.0 1911 Jan. 4 L. +0.06 +0.7 5 M. [+0.03] [+0.2] 6 P. +0.04 -0.4 E. Mean..... +0.042 +0.53 Mag. corr.... -0.005 B. D. +4° 32 $\alpha = 0^h 14^m$ $\delta = +5^\circ 12'$
1903 Oct. 27 Ei.Y. 30.30 17.4 W. 29 Ei.Y. 30.29 16.5 W. 1904 Sept. 16 Ei.Y. 30.27 16.9 E. 1906 Oct. 11 Ei.P. 30.30 17.6 W. Mean..... 30.290 17.10 Mag. corr.... +0.009 318 B. Cephei $\alpha = 0^h 10^m$ $\delta = +76^\circ 23'$ 1907 Aug. 12 P. 33.22 42.4 E. 13 Hl. 33.23 42.9 Sept. 20 P. 33.22 42.8 Nov. 14 M. 33.03 42.6 29 Hl. 33.15 42.1 E. 1908 Aug. 12 Fk. 33.35 42.2 W. 13 P. 33.38 41.9 Sept. 6 P. 33.38 41.0 8 P. 33.26 42.2 12 P. 33.22 42.3 W. Mean..... 33.244 42.24 Mag. corr.... +0.005 318 B. Cephei s. p. $\alpha = 0^h 10^m$ $\delta = +76^\circ 23'$ 1908 Jan. 8 M. 33.01 42.0 E. 10 M. 33.10 41.3 Mar. 12 M. 33.31 43.3 Apr. 4 P. 33.40 41.9 16 M. 33.13 42.9 E. May 1 P. 33.22 42.6 W. 2 Fk. 33.17 41.9 10 P. 33.36 42.7 1909 Jan. 17 M. 32.97 42.9 W. Mean..... 33.186 42.39 Mag. corr.... +0.015 B. D. +37° 32 $\alpha = 0^h 10^m$ $\delta = +38^\circ 12'$ 1907 Nov. 13 P. 44.84 11.5 E. 16 P. 44.90 11.9 E. 1908 Nov. 21 L. 44.85 11.9 W. 25 L. 44.84 11.9 W. Mean..... 44.858 11.80 Mag. corr.... -0.001 F. D. +0° 28 $\alpha = 0^h 12^m$ $\delta = +1^\circ 7'$ 1903 Sept. 3 Ei.Y. 39.54 58.4 W. 5 Ei.Y. 39.48 57.6 W.	1903 Sept. 28 Ei.Y. 25.74 6.7 W. 29 Ei.Y. 25.73 6.0 W. 1904 Oct. 1 Ei.Y. 25.73 6.0 E. 1906 Sept. 19 Ei.Y. 25.71 5.7 W. Mean..... 25.728 6.10 Mag. corr.... +0.021 B. D. +1° 28 $\alpha = 0^h 11^m$ $\delta = +1^\circ 17'$ 1903 Oct. 15 Ei.Y. 31.86 40.5 W. 19 Ei.Y. 31.85 40.3 W. 1904 Oct. 22 Ei.M. 31.85 41.3 E. 1906 Sept. 20 Ei.Y. 31.84 40.6 W. Mean..... 31.850 40.68 Mag. corr.... +0.008 B. D. +8° 24 (pr.) $\alpha = 0^h 12^m$ $\delta = +8^\circ 19'$ 1904 Oct. 24 Ei.Y. 15.21 5.0 E. 1906 Sept. 25 Ei.Y. 15.09 6.3 W. Oct. 8 Ei.P. 15.12 5.7 11 Ei.P. 15.08 6.5 W. Mean..... 15.125 5.88 Mag. corr.... 0.000 B. D. +8° 24 (fol.) $\alpha = 0^h 12^m$ $\delta = +8^\circ 19'$ 1903 Oct. 20 Ei.Y. 15.45 7.5 W. 22 Ei.Y. 15.44 7.9 W. 1904 Sept. 15 Ei.Y. 15.48 8.8 E. 1906 Sept. 25 Ei.Y. 15.45 9.1 W. Mean..... 15.455 8.32 Mag. corr.... +0.012 F. D. +0° 28 $\alpha = 0^h 12^m$ $\delta = +1^\circ 7'$ 1903 Sept. 3 Ei.Y. 39.54 58.4 W. 5 Ei.Y. 39.48 57.6 W.	1903 Sept. 10 Ei.Y. 11.35 12.6 W. 11 Ei.Y. 11.34 13.0 W. 1904 Sept. 16 Ei.Y. 11.34 12.7 E. 1906 Oct. 15 Ei.P. 11.31 12.7 W. Mean..... 11.335 12.75 Mag. corr.... +0.006 B. D. -2° 34 $\alpha = 0^h 13^m$ $\delta = -2^\circ 34'$ 1903 Oct. 20 Ei.Y. 9.34 4.6 W. 22 Ei.Y. 9.31 4.6 W. 1904 Oct. 10 Ei.Y. 9.26 4.7 E. 1906 Sept. 24 Ei.Y. 9.35 4.2 W. Mean..... 9.315 4.52 Mag. corr.... +0.001 ϵ Ceti $\alpha = 0^h 14^m 19.978$ $\delta = -9^\circ 22' 41.97$	B. D. +37° 42 $\alpha = 0^h 14^m$ $\delta = +37^\circ 40'$

1907 Nov. 13 P. 46.25 45.9 E. 16 P. 46.30 45.7 E.	1908 Nov. 21 L. 46.24 45.4 W. 25 L. 46.22 45.5 W.	Mean..... 46.252 45.62 Mag. corr... +0.002	B. D. +2° 37 $\alpha = 0^h 15^m$ $\delta = +2^\circ 28'$	1903 Sept. 28 Ei.Y. 1.66 43.4 W. 29 Ei.Y. 1.63 43.5 W.	1904 Oct. 14 Ei.M. 1.65 42.9 E. 1906 Sept. 25 Ei.Y. 1.62 44.3 W.	Mean..... 1.640 43.52 Mag. corr... 0.000	B. D. +3° 34 $\alpha = 0^h 15^m$ $\delta = +4^\circ 13'$	1903 Oct. 15 Ei.Y. 13.59 26.0 W. 19 Ei.Y. 13.64 26.4 W.	1904 Sept. 15 Ei.Y. 13.53 27.3 E. 1906 Oct. 11 Ei.P. 13.54 27.6 W.	Mean..... 13.575 26.82 Mag. corr... 0.000	d Piscium $\alpha = 0^h 15^m$ $\delta = +7^\circ 38'$	1903 Oct. 20 Ei.Y. 27.12 5.6 W. 22 Ei.Y. 27.12 5.9 Nov. 12 L. 27.01 6.8 30 L. 27.08 6.0 Dec. 5 Br. 27.14 6.1 15 Br. 27.15 5.7 18 M. 27.07 6.3 23 R. 27.13 5.1 W.	1904 Sept. 7 Ei.Y. 27.14 5.9 E. 1906 Sept. 6 Ei.Y. 27.07 6.6 W.	1907 July 29 Hl. 27.08 5.8 E. Aug. 1 Hl. 27.03 6.4 Nov. 4 M. 27.14 6.2 7 M. 27.03 6.5 11 M. 27.09 6.2	1909 Sept. 14 P. 27.10 6.2 30 P. 27.07 7.1 Oct. 1 M. 27.10 7.0 E.	Mean..... 27.093 6.19 Mag. corr... -0.004	ρ Andromedæ $\alpha = 0^h 15^m$ $\delta = +37^\circ 24'$	1904 July 25 Br. 51.14 53.3 W. 1906 Sept. 4 P. 51.09 W.	1907 July 26 P. 51.13 53.1 E. Aug. 12 P. 51.20 52.3 14 P. 51.16 52.8 Dec. 6 Hl. 51.17 52.8 7 P. 51.25 53.1 E.	1908 Aug. 12 Fk. 51.17 52.6 W. 13 P. 51.14 53.4 Sept. 6 P. 51.19 52.1 W.	Mean..... 51.164 52.83 Mag. corr... 0.000	B. D. -4° 31 $\alpha = 0^h 16^m$ $\delta = -3^\circ 52'$	1903 Sept. 3 Ei.Y. 6.30 5.9 W. 5 Ei.Y. 6.29 6.7 W.	1904 Oct. 10 Ei.Y. 6.27 6.7 E. 13 Ei.Y. 6.31 6.0 E.	1906 Sept. 24 Ei.Y. 6.26 5.8 W.	Mean..... 6.286 6.22 Mag. corr... -0.002	B. D. +6° 30 $\alpha = 0^h 16^m$ $\delta = +6^\circ 27'$	1903 Oct. 12 Ei.Y. 51.10 25.9 W. 13 Ei.Y. 51.05 25.4 W.	1904 Sept. 16 Ei.Y. 51.02 26.1 E.	1906 Oct. 15 Ei.P. 51.06 24.9 W.	Mean..... 51.058 25.58 Mag. corr... -0.007	B. D. -5° 49 $\alpha = 0^h 17^m$ $\delta = -5^\circ 44'$	1903 Sept. 10 Ei.Y. 8.12 45.3 W. 11 Ei.Y. 8.12 46.5 W.	1904 Oct. 10 Ei.Y. 8.10 46.8 E.	1906 Oct. 12 Ei.P. 8.13 45.9 W.	Mean..... 8.118 46.12 Mag. corr... +0.010	B. D. +1° 52 $\alpha = 0^h 18^m$ $\delta = +2^\circ 11'$	1903 Oct. 20 Ei.Y. 30.54 19.8 W. 22 Ei.Y. 30.52 19.2 W.	1904 Oct. 1 Ei.Y. 30.55 19.9 E.	1906 Sept. 20 Ei.Y. 30.57 20.1 W.	Mean..... 30.545 19.75 Mag. corr... +0.003	B. D. -1° 41 $\alpha = 0^h 18^m$ $\delta = -1^\circ 5'$	1903 Oct. 27 Ei.Y. 33.24 42.8 W. 29 Ei.Y. 33.28 43.5 W.	1904 Oct. 14 Ei.M. 33.23 44.1 E. 1906 Sept. 25 Ei.Y. 33.26 42.9 W.	Mean..... 33.252 43.32 Mag. corr... -0.005	B. D. -3° 49 $\alpha = 0^h 19^m$ $\delta = -2^\circ 46'$	1903 Sept. 28 Ei.Y. 23.08 18.7 W. 29 Ei.Y. 23.11 19.6 W.	1904 Sept. 15 Ei.Y. 23.16 18.9 E.	1906 Oct. 11 Ei.P. 23.06 18.8 W.	Mean..... 23.102 19.00 Mag. corr... -0.014	B. D. +38° 42 $\alpha = 0^h 19^m$ $\delta = +38^\circ 35'$	1907 Nov. 13 P. 46.92 30.9 E. 16 P. 47.02 31.2 E.	1908 Nov. 21 L. 46.93 30.8 W. 25 L. 46.92 31.1 W.	Mean..... 46.948 31.00 Mag. corr... -0.002	44 Piscium $\alpha = 0^h 20^m 16^s 567$ $\delta = +1^\circ 23' 9''.04$	1903 Sept. 12 Ei.Y. -0.05 +0.3 W. 14 Ei.Y. +0.05 +0.8 24 Ei.Y. +0.07 +1.4 25 Ei.Y. 0.00 +0.4 Oct. 15 Ei.Y. +0.08 +0.8 19 Ei.Y. +0.05 +0.5 Nov. 12 L. -0.02 +1.6 28 R. +0.04 +0.9 30 L. 0.00 +0.8 Dec. 1 Br. +0.04 +1.0 5 Br. +0.01 +1.0 15 Br. +0.07 +0.5	1904 Aug. 2 T. +0.05 +0.6 6 Ei.Y. 0.00 +0.8 11 Br. +0.04 +1.2 12 T. +0.03 +0.4 W. Sept. 7 Ei.Y. +0.03 +1.2 E. Oct. 13 Ei.Y. +0.05 +1.0 15 Ei.M. +0.03 +0.6 18 Ei.Y. +0.07 +0.8 24 Ei.Y. +0.05 +0.6 E.	1905 Aug. 17 Br. +1.5 W. 23 M. -0.05 +1.2 Sept. 7 Hl. +0.09 +0.6 14 Hl. +0.06 +1.0 22 Bs. +0.02 +0.3 Oct. 9 Hl. +0.03 +1.6 12 Bs. +0.01 +0.7 17 Br. +0.04 +0.3 31 Br. +0.01 +0.7 Nov. 1 Bs. +0.02 +1.9 10 Bs. -0.04 +0.5 17 Br. +0.02 +0.5	1906 Sept. 2 Hl. +0.05 6 Ei.Y. +0.01 +1.2 W.	1906 Oct. 8 Ei.P. -0.02 +0.7 15 Ei.P. 0.00 +0.6 W.	1907 Sept. 20 P. +0.03 +1.2 E. Oct. 19 P. +0.02 +1.1 Nov. 25 M. +0.07 +1.1 30 P. +0.06 +0.9 Dec. 2 M. +0.05 +1.5 6 Hl. +0.04 +0.8 7 P. +0.05 +0.9 E.	1908 Aug. 13 P. +0.07 +1.1 W. Sept. 12 P. 0.00 +0.9 15 P. +0.01 +1.6 16 Fk. 0.00 +1.1 Dec. 31 M. +0.02 +0.9 W.	1909 Aug. 19 L. +0.01 +1.4 E. 21 L. +0.02 +1.6 22 P. +0.06 +1.4 26 P. +0.08 +0.7 30 M. +0.04 +1.6 Sept. 2 M. -0.01 +2.2 26 P. +0.01 +1.6 28 P. +0.05 +1.5 29 L. +0.06 +0.4 30 P. +0.04 +2.2 Oct. 1 M. +0.12 +1.7 27 L. +0.05 +1.1 Dec. 21 P. +0.04 +1.0	1910 Aug. 22 P. +0.05 +0.6 E.	Mean..... +0.032 +1.01 Mag. corr... -0.007	B. D. +6° 43 $\alpha = 0^h 20^m$ $\delta = +7^\circ 8'$	1903 Oct. 20 Ei.Y. 32.64 17.8 W. 22 Ei.Y. 32.61 17.5 W.	1904 Oct. 14 Ei.M. 32.60 17.6 E.	1906 Sept. 24 Ei.Y. 32.59 17.8 W.	Mean..... 32.610 17.68 Mag. corr... +0.009	B. D. +0° 54 $\alpha = 0^h 21^m$ $\delta = +0^\circ 36'$	1903 Sept. 3 Ei.Y. 4.65 38.2 W. 5 Ei.Y. 4.64 38.1 W.	1904 Sept. 16 Ei.Y. 4.67 38.7 E.	1906 Oct. 12 Ei.P. 4.63 39.2 W.	Mean..... 4.648 38.55 Mag. corr... -0.005	B. D. +3° 46 $\alpha = 0^h 21^m$ $\delta = +3^\circ 16'$	1903 Oct. 12 Ei.Y. 8.15 19.1 W. 13 Ei.Y. 8.20 19.2 W.	1904 Oct. 10 Ei.Y. 8.18 18.8 E.	1906 Sept. 20 Ei.Y. 8.19 19.5 W.	Mean..... 8.180 19.15 Mag. corr... +0.013
---	---	---	--	--	---	---	--	---	---	--	---	--	--	--	--	--	---	---	--	---	--	--	--	---	------------------------------------	---	--	---	--------------------------------------	-------------------------------------	---	--	--	------------------------------------	------------------------------------	--	--	---	------------------------------------	--------------------------------------	---	---	---	---	---	--	--	--------------------------------------	-------------------------------------	---	--	---	---	---	--	---	--	---	---	--	---	---	--	----------------------------------	---	---	---	-------------------------------------	--------------------------------------	---	--	--	-------------------------------------	------------------------------------	--	--	---	------------------------------------	-------------------------------------	--

B. D. +5° 52			1906			1904			1909		
$\alpha = 0^h 21^m$			Oct. 12 Ei.P. 12.36 38.7 W.			Aug. 4 Br. +0.04 +0.8			Aug. 22 P. 0.00 -0.1 E.		
$\delta = +5^\circ 32'$			Mean..... 12.368 38.62			11 Br. 0.00 +0.7			26 P. -0.04 +0.5		
1903			Mag. corr.... +0.003			12 T. +0.06 +0.2			30 M. -0.02 +1.0		
Sept. 10 Ei.Y. 9.84 26.8 W.			B. D. +9° 47			14 Br. +0.06 +0.9 W.			Sept. 1 L. +0.05 +1.0		
11 Ei.Y. 9.81 27.1 W.			$\alpha = 0^h 23^m$			Sept. 7 Ei.Y. -0.01 +0.7 E.			2 M. +0.01 +1.2		
1904			$\delta = +9^\circ 38'$			15 Ei.Y. -0.02 +0.8			26 P. -0.07 +0.6		
Oct. 1 Ei.Y. 9.84 28.0 E.			1903			22 T. 0.00 -0.6			1910		
1906			Oct. 12 Ei.Y. 9.82 31.2 W.			25 M. 0.00 +0.6			Aug. 22 P. -0.03 +1.2		
Sept. 25 Ei.Y. 9.81 28.3 W.			13 Ei.Y. 9.78 31.6 W.			Oct. 15 Ei.M. -0.01 +0.3			1911		
Mean..... 9.825 27.55			1904			21 Br. 0.00 +0.2			Jan. 4 L. -0.03 +0.2		
Mag. corr.... -0.007			Sept. 16 Ei.Y. 9.82 31.3 E.			23 Br. +0.01 -0.3			6 P. -0.02 +0.5 E.		
10 Ceti			Sept. 20 Ei.Y. 9.85 31.4 W.			27 Ei.M. +0.01 +0.4			Mean..... +0.002 +0.41		
$\alpha = 0^h 21^m$			Mean..... 9.818 31.38			28 Br. -0.04 0.0			Mag. corr.... +0.014		
$\delta = -0^\circ 36'$			Mag. corr.... +0.023			Nov. 5 Y. -0.03 -0.1			B. D. +4° 63		
1903			B. D. -3° 57			11 Br. -0.03 +0.3			$\alpha = 0^h 25^m$		
Oct. 27 Ei.Y. 29.74 11.1 W.			$\alpha = 0^h 24^m$			15 Br. +1.1			$\delta = +4^\circ 18'$		
29 Ei.Y. 29.75 11.9			1903			17 Y. -0.01 -0.2			1903		
Dec. 23 R. 29.72 11.5 W.			Sept. 3 Ei.Y. 31.98 32.3 W.			19 Y. -0.01 +0.1			Oct. 20 Ei.Y. 0.21 23.9 W.		
1904			5 Ei.Y. 31.98 32.6 W.			21 M. +0.01 +0.5			22 Ei.Y. 0.14 24.6 W.		
Oct. 14 Ei.M. 29.71 12.4 E.			1904			Dec. 1 Br. +0.04 +0.1			1904		
1905			Oct. 10 Ei.Y. 31.97 32.7 E.			13 Br. -0.02 +0.7			Oct. 13 Ei.Y. 0.17 25.2 E.		
Nov. 21 Br. 29.72 12.2 W.			1906			28 M. -0.08 +0.5			1906		
Dec. 1 Br. 29.69 11.8			Sept. 25 Ei.Y. 32.01 31.5 W.			30 M. 0.00 +0.8 E.			Oct. 12 Ei.P. 0.16 25.2 W.		
6 Bs. 29.69 12.0			Mean..... 31.985 32.28			Oct. 12 Bs. -0.03 +0.7 W.			Mean..... 0.170 24.72		
7 Hl. 29.66 11.5			Mag. corr.... +0.012			13 Br. +0.01 +0.2			Mag. corr.... +0.016		
1906			B. D. -1° 51			17 Br. +0.02 -0.6			49 G. Ceti		
Oct. 11 Ei.P. 29.69 11.0 W.			$\alpha = 0^h 24^m$			28 Bs. -0.01 +0.1			$\alpha = 0^h 25^m$		
1907			$\delta = -0^\circ 52'$			30 Hl. 0.00 +0.4			$\delta = -24^\circ 20'$		
July 26 P. 29.67 11.6 E.			1903			31 Br. 0.00 +1.2			1904		
29 Hl. 29.78 12.2			Sept. 12 Ei.Y. 43.56 27.5 W.			Nov. 1 Bs. -0.02 +0.4			Aug. 2 T. 22.72 25.4 W.		
30 P. 29.74 11.5			14 Ei.Y. 43.55 27.0 W.			8 Bs. -0.04 +0.3			1905		
Aug. 1 Hl. 29.70 11.8			1904			10 Bs. 0.00 0.0			Sept. 22 Bs. 22.74 26.8		
11 Hl. 29.74 11.7 E.			Oct. 1 Ei.Y. 43.60 26.5 E.			14 Br. +0.03 -0.5			Nov. 21 Br. 22.77 25.9		
Mean..... 29.714 11.73			1906			17 Br. -0.01 +0.1			Dec. 6 Bs. 22.73 25.9		
Mag. corr.... +0.009			Oct. 11 Ei.P. 43.56 26.1 W.			22 Bs. -0.03 0.0			7 Hl. 22.80 26.7		
B. D. +8° 51			Mean..... 43.568 26.78			26 Hl. +0.04 -0.1			13 Bs. 22.79 25.8 W.		
$\alpha = 0^h 21^m$			Mag. corr.... +0.003			30 Hl. 0.00 -0.4			1907		
$\delta = +8^\circ 45'$			B. D. -1° 52			Oct. 25 Ei.P. +0.02 +0.9 W.			Aug. 7 P. 22.77 27.0 E.		
1903			$\alpha = 0^h 24^m$			1907			18 Hl. 22.83 26.8		
Oct. 20 Ei.Y. 42.87 54.6 W.			$\delta = -1^\circ 40'$			July 29 Hl. 0.00 +0.1 E.			Sept. 16 Hl. 22.75 26.3		
22 Ei.Y. 42.87 54.7 W.			1903			Aug. 11 Hl. +0.01 +0.3			Oct. 22 Hl. 22.71 26.7		
1904			Sept. 10 Ei.Y. 47.41 5.8 W.			12 P. +0.02 +0.1			30 P. 22.78 25.9 E.		
Sept. 15 Ei.Y. 42.80 56.2 E.			11 Ei.Y. 47.46 6.6 W.			13 Hl. +0.09 +0.4			Mean..... 22.763 26.29		
1906			1904			14 P. -0.02 +0.5			Mag. corr.... -0.001		
Oct. 15 Ei.P. 42.84 55.0 W.			Oct. 14 Ei.M. 47.46 6.7 E.			24 P. +0.03 +0.6			B. D. +8° 64		
Mean..... 42.845 55.12			Oct. 15 Ei.P. 47.51 6.7 W.			Oct. 25 P. 0.00 +0.8			$\alpha = 0^h 26^m$		
Mag. corr.... 0.000			Mean..... 47.460 6.45			Ncv. 7 M. +0.01 +1.0			$\delta = +8^\circ 36'$		
B. D. -5° 64			B. D. -1° 52			13 P. +0.01 +1.0			1903		
$\alpha = 0^h 21^m$			$\alpha = 0^h 24^m$			14 M. +0.02 ...			Sept. 28 Ei.Y. 27.47 33.9 W.		
$\delta = -5^\circ 33'$			$\delta = -1^\circ 40'$			16 P. +0.06 +0.5			29 Ei.Y. 27.46 33.1 W.		
1903			1903			17 Hl. -0.02 +0.2			1904		
Sept. 28 Ei.Y. 59.34 23.3 W.			Sept. 10 Ei.Y. 47.41 5.8 W.			25 M. -0.06 +0.5			Oct. 24 Ei.Y. 27.46 33.1 E.		
29 Ei.Y. 59.30 23.8 W.			11 Ei.Y. 47.46 6.6 W.			29 Hl. +0.03 +0.5			1906		
1904			1904			30 P. 0.00 +0.7			Sept. 20 Ei.Y. 27.45 33.4 W.		
Oct. 13 Ei.Y. 59.32 23.8 E.			Oct. 14 Ei.M. 47.46 6.7 E.			Dec. 2 M. -0.01 +0.8			Mean..... 27.460 33.38		
1906			Oct. 15 Ei.P. 47.51 6.7 W.			6 Hl. 0.00 0.0			Mag. corr.... +0.008		
Sept. 24 Ei.Y. 59.37 23.8 W.			Mean..... 47.460 6.45			7 P. -0.02 +0.5 E.			B. D. +0° 70		
Mean..... 59.332 23.68			12 Ceti			1908			$\alpha = 0^h 26^m$		
Mag. corr.... +0.009			$\alpha = 0^h 24^m$			Aug. 12 Fk. -0.04 +0.4 W.			$\delta = +0^\circ 57'$		
B. D. +2° 54			$\delta = -4^\circ 30'$			13 P. +0.04 +0.7			1903		
$\alpha = 0^h 22^m$			1903			Sept. 12 P. +0.02 +0.8			Oct. 15 Ei.Y. 48.66 28.7 W.		
$\delta = +2^\circ 15'$			Oct. 27 Ei.Y. 0.00 +1.3 W.			Nov. 21 L. -0.04 +0.1			19 Ei.Y. 48.59 29.0 W.		
1903			29 Ei.Y. +0.04 +0.1			25 L. +0.02 +0.3			1904		
Oct. 15 Ei.Y. 12.39 38.6 W.			Dec. 1 Br. +0.03 +0.2			Dec. 9 L. +0.05 +0.4			Sept. 16 Ei.Y. 48.58 29.1 E.		
19 Ei.Y. 12.35 38.4 W.			5 Br. 0.00 +0.9			19 L. -0.03 ... W.			1906		
1904			15 Br. +0.01 +0.4			1909			Sept. 25 Ei.Y. 48.59 29.8 W.		
Oct. 24 Ei.Y. 12.37 38.8 E.			17 Br. +0.02 +0.3			Aug. 4 L. +0.03 +0.4 E.			Mean..... 48.605 29.15		
			18 M. -0.01 +0.3 W.			21 L. +0.04 +0.8 E.			Mag. corr.... -0.005		

B. D. +6° 64			1904			1906			1905		
$\alpha = 0^h 27^m$			Oct. 14 Ei.M. 59.83 6.5 E.			Oct. 11 Ei.P. +0.03 +1.4 W.			Oct. 13 Br. -0.15 +0.1 W.		
$\delta = +6^\circ 24'$			1906			1907			28 Bs. -0.06 0.0		
1903			Sept. 24 Ei.Y. 59.85 7.2 W.			Aug. 7 P. +0.03 +0.4 E.			30 Hl. -0.12 +0.3		
Oct. 12 Ei.Y. 14.17 11.4 W.			Mean..... 59.818 6.80			13 Hl. +0.12 -0.4			Nov. 8 Bs. -0.13 +0.4		
1904			Mag. corr.... +0.014			18 Hl. +0.08 +0.6			14 Br. -0.03 +0.2 W.		
Oct. 13 Ei.Y. 14.15 11.8 W.			B. D. -3° 67			25 Hl. -0.04 +0.6			Mean..... -0.069 +0.12		
Oct. 10 Ei.Y. 14.20 11.6 E.			$\alpha = 0^h 29^m$			Oct. 30 P. +0.11 +0.5 E.			Mag. corr.... -0.006		
1906			$\delta = -2^\circ 56'$			1908			π Andromedæ		
Oct. 11 Ei.P. 14.23 12.3 W.			1903			Aug. 12 Fk. +0.02 +0.4 W.			$\alpha = 0^h 31^m 32^s.297$		
Mean..... 14.188 11.78			Sept. 10 Ei.Y. 9.19 47.8 W.			1909			$\delta = +33^\circ 10' 7''.98$		
Mag. corr.... -0.007			11 Ei.Y. 9.20 47.5 W.			Aug. 4 L. +0.08 +0.4 E.			1903		
κ Cassiopeiæ			1904			19 L. +0.04 +0.7			Dec. 7 R. +0.04 0.0 W.		
$\alpha = 0^h 27^m$			Sept. 15 Ei.Y. 9.14 46.1 E.			21 L. +0.06 +1.2			1905		
$\delta = +62^\circ 22'$			1906			22 P. 0.00 +0.9			Nov. 22 Bs. +0.02 +0.4		
1903			Oct. 12 Ei.P. 9.16 47.3 W.			26 P. +0.04 +0.6			Dec. 4 Hl. -0.02 +0.4		
Dec. 23 R. 18.75 48.4 W.			Mean..... 9.172 47.18			Sept. 17 M. +0.09 +0.5			18 Bs. -0.05 +0.4		
1905			Mag. corr.... -0.009			18 P. +0.02 +0.6			22 Bs. -0.04 ... W.		
Aug. 13 M. 18.80 48.2			B. D. +0° 77			26 P. +0.05 +0.5			1907		
17 Br. 47.8			$\alpha = 0^h 29^m$			Dec. 18 M. +0.01 +1.2 E.			Aug. 24 P. +0.05 +0.3 E.		
23 M. 18.61 47.9			$\delta = +0^\circ 27'$			Mean..... +0.043 +0.64			Sept. 5 Hl. 0.00 +0.4		
Sept. 7 Hl. 18.70 47.3			1903			Mag. corr.... 0.000			8 Hl. -0.1		
Dec. 21 Hl. 18.61 47.9 W.			Oct. 20 Ei.Y. 16.42 3.8 W.			B. D. +3° 70			Nov. 25 M. -0.01 +0.5		
1907			22 Ei.Y. 16.42 4.3 W.			$\alpha = 0^h 30^m$			30 P. -0.05 +0.1 E.		
July 30 P. 18.73 47.9 E.			1904			$\delta = +3^\circ 44'$			Mean..... -0.007 +0.27		
Oct. 21 M. 18.65 48.1			Oct. 13 Ei.Y. 16.36 4.8 E.			1903			Mag. corr.... +0.005		
29 Hl. 18.68 48.4			1906			Oct. 15 Ei.Y. 20.01 36.9 W.			B. D. +4° 80		
Nov. 11 M. 18.80 47.2			Sept. 20 Ei.Y. 16.40 5.1 W.			19 Ei.Y. 20.01 37.0 W.			$\alpha = 0^h 31^m$		
14 M. 18.66 48.0 E.			Mean..... 16.400 4.50			Oct. 10 Ei.Y. 19.96 36.9 E.			$\delta = +4^\circ 51'$		
Mean..... 18.699 47.92			Mag. corr.... -0.005			1906			1903		
Mag. corr.... +0.004			B. D. -5° 83 (mean)			Oct. 15 Ei.P. 20.00 37.2 W.			Sept. 12 Ei.Y. 47.64 42.2 W.		
77 G. Sculptoris			$\alpha = 0^h 29^m$			Mean..... 19.995 37.00			14 Ei.Y. 47.67 42.8 W.		
$\delta = -30^\circ 6'$			$\delta = -5^\circ 5'$			Mag. corr.... +0.002			1904		
1905			1903			B. D. -1° 68			Sept. 15 Ei.Y. 47.67 43.6 E.		
Sept. 22 Bs. 44.22 32.7 W.			Oct. 27 Ei.Y. 23.51 52.6 W.			$\alpha = 0^h 30^m$			1906		
Dec. 13 Bs. 44.35 32.5			29 Ei.Y. 23.50 52.5 W.			$\delta = -1^\circ 3'$			Sept. 20 Ei.Y. 47.67 43.5 W.		
1906			1904			1903			Mean..... 47.662 43.02		
Sept. 4 P. 44.24 33.1 W.			Oct. 24 Ei.Y. 23.47 52.5 E.			Oct. 12 Ei.Y. 24.83 18.0 W.			Mag. corr.... -0.002		
1907			1906			13 Ei.Y. 24.81 18.1 W.			B. D. -4° 64		
Aug. 12 P. 44.33 33.5 E.			Sept. 25 Ei.Y. 23.51 52.3 W.			1904			$\alpha = 0^h 31^m$		
Sept. 16 Hl. 44.42 33.1			Mean..... 23.498 52.48			Oct. 1 Ei.Y. 24.83 17.2 E.			$\delta = -3^\circ 57'$		
Oct. 25 P. 44.36 33.0			B. D. +38° 73			1906			1903		
Nov. 4 M. 44.30 33.9			$\alpha = 0^h 29^m$			Sept. 24 Ei.Y. 24.94 17.8 W.			Sept. 10 Ei.Y. 50.74 2.3 W.		
7 M. 44.40 32.8 E.			$\delta = +38^\circ 24'$			Mean..... 24.852 17.78			11 Ei.Y. 50.75 2.7 W.		
1908			1907			Mag. corr.... -0.009			1904		
Aug. 20 Fk. 44.35 32.8 W.			Nov. 13 P. 60.02 11.3 E.			B. D. +8° 80			Oct. 22 Ei.M. 50.73 1.8 E.		
Sept. 6 P. 44.38 32.2 W.			16 P. 60.06 10.9 E.			$\alpha = 0^h 31^m$			1906		
Mean..... 44.335 32.96			1908			$\delta = +8^\circ 19'$			Sept. 25 Ei.Y. 50.74 1.3 W.		
Mag. corr.... -0.004			Nov. 21 L. 59.99 11.3 W.			1903			Mean..... 50.740 2.02		
B. D. +2° 67			25 L. 59.94 11.0			Sept. 3 Ei.Y. 14.02 26.4 W.			Mag. corr.... -0.005		
$\alpha = 0^h 28^m$			Dec. 9 L. 60.05 10.6			5 Ei.Y. 14.02 26.8 W.			B. D. +10° 65		
$\delta = +2^\circ 46'$			19 L. 10.8 W.			1904			$\alpha = 0^h 32^m$		
1903			Mean..... 60.012 10.98			Oct. 14 Ei.M. 14.08 26.6 E.			$\delta = +10^\circ 53'$		
Sept. 3 Ei.Y. 45.98 6.9 W.			13 Ceti			1906			1903		
5 Ei.Y. 45.92 7.3 W.			$\alpha = 0^h 30^m 6^s.248$			Oct. 12 Ei.P. 13.96 27.2 W.			Oct. 20 Ei.Y. 6.28 10.2 W.		
1904			$\delta = -4^\circ 8' 35''.94$			Mean..... 14.020 26.75			22 Ei.Y. 6.29 10.7 W.		
Oct. 1 Ei.Y. 46.00 7.9 E.			1903			Mag. corr.... +0.001			1904		
1906			Sept. 28 Ei.Y. +0.08 +0.8 W.			B. D. +8° 80			Oct. 24 Ei.Y. 6.28 10.9 E.		
Oct. 15 Ei.P. 46.03 7.1 W.			29 Ei.Y. +0.05 +0.8 W.			$\alpha = 0^h 31^m 23^s.877$			1906		
Mean..... 45.982 7.30			Dec. 11 R. +0.02 +0.8 W.			$\delta = +53^\circ 20' 47''.66$			Oct. 11 Ei.P. 6.25 12.5 W.		
Mag. corr.... +0.002			1904			1903			Mean..... 6.275 11.08		
B. D. +9° 62			Sept. 16 Ei.Y. +0.05 +0.6 E.			Nov. 19 Y. -0.03 +0.3 E.			Mag. corr.... +0.009		
$\alpha = 0^h 28^m$			1905			21 M. -0.01 +0.5			319 B. Cephei		
$\delta = +9^\circ 45'$			Dec. 30 Hl. -0.03 +0.4 W.			Dec. 1 Br. -0.05 -0.5			$\alpha = 0^h 32^m$		
1903			1903			13 Br. -0.03 -0.2			$\delta = +81^\circ 56'$		
Sept. 12 Ei.Y. 59.74 6.9 W.			Sept. 28 Ei.Y. +0.08 +0.8 W.			30 M. -0.08 +0.1 E.			1903		
14 Ei.Y. 59.85 6.6 W.			29 Ei.Y. +0.05 +0.8 W.			1904			Nov. 27 Br. 12.30 30.8 W.		
			Dec. 11 R. +0.02 +0.8 W.			Nov. 19 Y. -0.03 +0.3 E.			30 L. 12.20 30.8 W.		

1903 Dec. 1 Br. 12.26 30.2 W. 3 Br. 12.26 30.3 5 Br. 12.16 29.7 15 Br. 12.46 29.9 17 Br. 12.23 30.1 18 M. 11.74 30.9 22 Br. 12.43 30.1 W.	B. D. +1° 105 $\alpha = 0^h 32^m$ $\delta = +1^\circ 50''$	1909 Jan. 1 P. -0.02 +0.7 W. Sept. 14 P. -0.01 +1.0 E. 18 P. 0.00 +0.8 26 P. 0.00 +1.0 28 P. -0.07 +1.1 29 L. -0.06 +0.7 30 P. +0.01 +0.8 Oct. 1 M. +0.01 +0.3 E.	B. D. +38° 85 $\alpha = 0^h 34^m$ $\delta = +38^\circ 53'$
1907 Aug. 12 P. 12.16 30.8 E. Oct. 22 Hl. 12.09 31.1 Nov. 14 M. 11.78 31.4 29 Hl. 11.97 30.9 Dec. 6 Hl. 12.11 31.7 E.	1903 Sept. 28 Ei.Y. 42.59 39.1 W. Oct. 12 Ei.Y. 42.58 38.0 W.	Mean..... -0.006 +0.53 Mag. corr.... +0.003	1908 Nov. 21 L. 41.70 29.0 W. 25 L. 41.72 28.8 Dec. 9 L. 41.78 28.3 19 L. 41.73 28.6 W.
Mean..... 12.154 30.62 Mag. corr.... +0.010	1906 Sept. 24 Ei.Y. 42.57 38.8 W. Mean..... 42.572 38.58 Mag. corr.... -0.012	B. D. +0° 96 $\alpha = 0^h 33^m$ $\delta = +0^\circ 23'$	Mean..... 41.732 28.68 Mag. corr.... -0.002
319 B. Cephei s. p. $\alpha = 0^h 32^m$ $\delta = +81^\circ 56'$	B. D. -1° 75 $\alpha = 0^h 32^m$ $\delta = -1^\circ 3'$	1903 Oct. 12 Ei.Y. 40.64 52.9 W. 13 Ei.Y. 40.62 53.2 W.	α Cassiopeiae $\alpha = 0^h 34^m 49^s.790$ $\delta = +55^\circ 59' 20''.03$
1904 May 3 Br. 12.28 30.4 W.	1904 Oct. 1 Ei.Y. 57.79 11.5 E.	Mean..... 40.648 53.32 Mag. corr.... -0.008	1904 Aug. 2 T. -0.13 0.0 W. Nov. 17 Y. 0.00 +0.2 E. 19 Y. -0.09 +0.4 21 M. +0.01 +0.7 Dec. 1 Br. +0.07 +0.5 13 Br. +0.05 0.0 E.
1906 Jan. 29 Br. 12.39 29.9 Apr. 27 Br. 12.26 28.9 May 2 Bs. 12.48 29.7 W.	1906 Oct. 12 Ei.P. 57.72 12.1 W. Mean..... 57.762 11.92 Mag. corr.... +0.013	B. D. +7° 86 $\alpha = 0^h 33^m$ $\delta = +7^\circ 21'$	1905 Sept. 30 Hl. -0.04 +0.1 W. Oct. 13 Br. +0.02 +0.4 28 Bs. 0.00 +0.1 30 Hl. -0.01 +0.3 W.
1907 May 23 M. 12.35 30.6 E.	ϵ Andromedae $\alpha = 0^h 33^m 16^s.053$ $\delta = +28^\circ 46' 5''.85$	1903 Sept. 3 Ei.Y. 47.45 56.9 W. 15 Ei.Y. 47.37 56.5 W.	Mean..... -0.012 +0.27 Mag. corr.... +0.004
1908 Jan. 8 M. 12.12 30.8 9 P. 12.28 29.9 14 M. 12.10 29.4 25 P. 12.06 30.1 E.	1903 Nov. 28 R. -0.01 +0.4 W. Dec. 23 R. +0.01 +0.2	1904 Sept. 15 Ei.Y. 47.37 58.2 E.	B. D. -2° 87 $\alpha = 0^h 35^m$ $\delta = -2^\circ 19'$
1909 Jan. 1 L. 11.78 30.8 W.	1904 Aug. 11 Br. -0.02 +0.6 12 T. -0.02 +0.5 14 Br. -0.02 +0.7 W. Oct. 27 Ei.M. -0.05 +0.2 E. Dec. 14 M. +0.02 -0.4 E.	1906 Sept. 25 Ei.Y. 47.42 58.1 W. Mean..... 47.402 57.42 Mag. corr.... -0.007	1903 Sept. 10 Ei.Y. 26.11 6.8 W. 11 Ei.Y. 26.11 6.3 W.
Mean..... 12.210 30.05 Mag. corr.... +0.014	1905 Aug. 13 M. -0.03 +1.4 W. 21 Br. +0.04 0.0 23 M. +0.03 +0.3 Sept. 12 Hl. 0.00 ... 22 Bs. -0.01 +0.1	δ Andromedae $\alpha = 0^h 33^m 58^s.795$ $\delta = +30^\circ 18' 48''.76$	1904 Oct. 24 Ei.Y. 26.11 6.2 E.
82 B. Ceti $\alpha = 0^h 32^m 13^s.159$ $\delta = -25^\circ 19' 2''.86$	1906 Jan. 6 Hl. -0.01 +0.6 Aug. 23 Br. 0.00 ... 30 Br. +0.04 ... Sept. 2 Hl. 0.00 ... 4 P. -0.01 +1.3 21 P. 0.00 0.0 Oct. 11 Ei.P. -0.05 +1.0 25 Ei.P. -0.01 +0.6 W.	1904 Sept. 22 T. +0.04 +1.0 E. 25 M. 0.00 +0.3 Oct. 23 Br. -0.02 +0.2 28 Br. -0.04 +1.0 Nov. 11 Br. -0.05 0.0 E.	1904 Oct. 15 Ei.P. 26.14 6.5 W. Mean..... 26.118 6.45 Mag. corr.... -0.007
1905 Nov. 21 Br. +0.19 +0.2 W. Dec. 6 Bs. +0.01 +0.6 7 Hl. +0.19 +0.6 13 Bs. +0.07 +0.1 26 Hl. +0.18 +0.4 W.	1907 July 29 Hl. -0.03 +0.3 E. 30 P. 0.00 0.0 Aug. 7 P. +0.01 -0.5 13 Hl. +0.03 +0.9 14 P. -0.01 -0.4 Sept. 16 Hl. 0.00 +0.8 Dec. 7 P. -0.06 +0.4 21 P. +0.04 +1.5 E.	1905 Oct. 9 Hl. +0.04 +1.2 W. 17 Br. -0.02 +0.3 31 Br. -0.06 +0.5 Nov. 1 Bs. -0.04 +0.5 10 Bs. -0.04 +2.4 W.	B. D. -5° 101 $\alpha = 0^h 35^m$ $\delta = -4^\circ 54'$
1907 Aug. 11 Hl. +0.06 -0.1 E. 18 Hl. +0.17 +1.5 Nov. 4 M. +0.13 +0.1 7 M. +0.13 +1.0 Dec. 2 M. +0.12 +1.8 E.	1908 Aug. 13 P. -0.02 +1.0 W. 20 Fk. +0.04 +0.3 Sept. 2 M. +0.02 ... Dec. 2 M. +0.01 +0.4 3 P. -0.03 +0.4 15 P. -0.03 +0.1 23 L. -0.01 +0.7 26 L. -0.01 +0.2 28 M. +0.01 +0.4 29 P. -0.01 +1.1 31 M. 0.00 +0.6 W.	Mean..... -0.019 +0.74 Mag. corr.... -0.004	1903 Oct. 20 Ei.Y. 36.97 2.5 W. 22 Ei.Y. 36.96 2.1 W.
Mean..... +0.125 +0.62 Mag. corr.... -0.004	1909 Sept. 16 Ei.Y. 21.53 12.2 E. 1906 Oct. 15 Ei.P. 21.59 11.6 W. Mean..... 21.575 12.28 Mag. corr.... +0.016	B. D. +10° 70 $\alpha = 0^h 34^m$ $\delta = +10^\circ 58'$	1904 Sept. 16 Ei.Y. 36.88 1.8 E. 1906 Sept. 24 Ei.Y. 36.91 2.2 W. Mean..... 36.930 2.15 Mag. corr.... +0.022
B. D. +2° 80 $\alpha = 0^h 32^m$ $\delta = +2^\circ 35'$	1903 Oct. 27 Ei.Y. 21.37 12.8 W. 29 Ei.Y. 21.56 12.5 W.	1903 Sept. 12 Ei.Y. 27.98 59.1 W. 14 Ei.Y. 28.08 59.6 W.	B. D. +8° 94 $\alpha = 0^h 36^m$ $\delta = +8^\circ 48'$
1904 Sept. 16 Ei.Y. 21.53 12.2 E.	1904 Oct. 22 Ei.M. 28.10 59.7 E.	1904 Oct. 25 Ei.P. 28.11 59.7 W.	1903 Oct. 27 Ei.Y. 1.75 32.8 W. 29 Ei.Y. 1.78 32.2 W.
1906 Oct. 15 Ei.P. 21.59 11.6 W.	1906 Oct. 25 Ei.P. 28.11 59.7 W.	Mean..... 28.068 59.53 Mag. corr.... +0.006	1904 Oct. 10 Ei.Y. 1.73 31.9 E. 1906 Oct. 12 Ei.P. 1.73 31.9 W.
Mean..... 21.575 12.28 Mag. corr.... +0.016	Mean..... 21.575 12.28 Mag. corr.... +0.016		Mean..... 1.748 32.20 Mag. corr.... +0.017

B. D. +3° 93			1903			1911			1905		
$\alpha = 0^h 37^m$			Sept. 22 Ei.Y.			Jan. 4 L.			Sept. 7 Hl.		
$\delta = +3^\circ 37'$			Nov. 24 Br.			5 M.			12 Hl.		
1903			27 Br.			6 P.			Nov. 17 Br.		
Sept. 28 Ei.Y.			28 R.			7 L.			1907		
29 Ei.Y.			30 L.			Mean.....			Aug. 18 Hl.		
1904			Dec. 1 Br.			+0.062			Oct. 30 P.		
Oct. 1 Ei.Y.			3 Br.			+0.005			Nov. 4 M.		
1906			5 Br.			21 Cassiopeia			Mean.....		
Sept. 20 Ei.Y.			7 R.			$\alpha = 0^h 39^m 2^s 267$			Mag. corr.....		
Mean.....			11 R.			$\delta = +74^\circ 26' 29''.25$			B. D. -0° 109		
Mag. corr....			17 Br.			1904			$\alpha = 0^h 40^m$		
B. D. -1° 87			18 M.			Aug. 11 Br.			$\delta = -0^\circ 17'$		
$\alpha = 0^h 37^m$			22 Br.			12 T.			1903		
$\delta = -0^\circ 53'$			28 M.			Nov. 15 Br.			Sept. 10 Ei.Y.		
1903			1904			17 Y.			11 Ei.Y.		
Oct. 15 Ei.Y.			Aug. 4 Br.			19 Y.			1904		
19 Ei.Y.			14 Br.			21 M.			Sept. 16 Ei.Y.		
1904			Oct. 27 Ei.M.			Dec. 1 Br.			1906		
Oct. 14 Ei.M.			Dec. 14 M.			1905			Oct. 12 Ei.P.		
1906			1905			Nov. 8 Bs.			Mean.....		
Sept. 25 Ei.Y.			Jan. 4 M.			14 Br.			Mag. corr.....		
Mean.....			Aug. 21 Br.			22 Bs.			B. D. -1° 94		
Mag. corr....			Sept. 22 Bs.			Mean.....			$\alpha = 0^h 40^m$		
B. D. +7° 100			Nov. 21 Br.			-0.007			$\delta = -1^\circ 43'$		
$\alpha = 0^h 37^m$			Dec. 1 Br.			21 Cassiopeia s. p.			1903		
$\delta = +8^\circ 1'$			4 Hl.			$\alpha = 0^h 39^m 2^s 250$			Oct. 20 Ei.Y.		
1903			6 Bs.			$\delta = +74^\circ 26' 29''.16$			22 Ei.Y.		
Oct. 12 Ei.Y.			10 Hl.			1907			1904		
13 Ei.Y.			11 Hl.			May 28 M.			Oct. 10 Ei.Y.		
1904			14 Hl.			Dec. 24 P.			1906		
Sept. 15 Ei.Y.			18 Bs.			1908			Sept. 20 Ei.Y.		
1906			21 Hl.			Jan. 21 P.			Mean.....		
Oct. 25 Ei.P.			22 Bs.			Feb. 8 P.			Mag. corr.....		
Mean.....			26 Hl.			20 Hl.			B. D. +11° 96		
Mag. corr....			27 Br.			Jan. 1 L.			$\alpha = 0^h 41^m$		
B. D. +1° 124			1906			20 M.			$\delta = +11^\circ 25'$		
$\alpha = 0^h 38^m$			Jan. 2 Br.			Feb. 11 P.			1903		
$\delta = +1^\circ 30'$			1907			13 M.			Oct. 27 Ei.Y.		
1903			July 30 P.			17 M.			29 Ei.Y.		
Sept. 3 Ei.-Y.			Aug. 7 P.			Mean.....			1904		
21 Ei.-Y.			11 Hl.			+0.162			Oct. 1 Ei.Y.		
1904			12 P.			-0.003			1906		
Oct. 22 Ei.-M.			14 P.			o Cassiopeia			Sept. 25 Ei.Y.		
1906			20 Hl.			$\alpha = 0^h 39^m 9^s 044$			Mean.....		
Oct. 15 Ei.P.			24 P.			$\delta = +47^\circ 44' 13''.66$			Mag. corr.....		
Mean.....			Sept. 5 Hl.			1904			§ Andromeda		
Mag. corr....			8 Hl.			Sept. 22 T.			$\alpha = 0^h 42^m 2^s 136$		
B. D. +5° 96			16 Hl.			25 M.			$\delta = +23^\circ 43' 22''.89$		
$\alpha = 0^h 38^m$			Oct. 29 Hl.			Oct. 21 Br.			1903		
$\delta = +5^\circ 36'$			Nov. 13 P.			23 Br.			Sept. 15 Ei.Y.		
1903			15 Hl.			28 Br.			18 Ei.Y.		
Sept. 12 Ei.Y.			16 P.			1905			22 Ei.Y.		
14 Ei.Y.			25 M.			Oct. 9 Hl.			28 Ei.Y.		
1904			29 Hl.			17 Br.			29 Ei.Y.		
Oct. 24 Ei.Y.			30 P.			31 Br.			Dec. 29 Br.		
1906			Dec. 2 M.			Nov. 1 Bs.			1904		
Sept. 24 Ei.Y.			6 Hl.			10 Bs.			Aug. 2 T.		
Mean.....			21 P.			Mean.....			Oct. 29 Ei.M.		
Mag. corr....			1908			-0.065			Nov. 30 Ei.Y.		
B. D. +5° 96			Aug. 12 Fk.			+0.004			Dec. 14 M.		
$\alpha = 0^h 38^m$			13 P.			73 G. Ceti			1906		
$\delta = +5^\circ 36'$			Sept. 11 Fk.			$\alpha = 0^h 39^m$			Oct. 6 Ei.P.		
1903			12 P.			$\delta = -22^\circ 33'$			1907		
Sept. 12 Ei.Y.			Nov. 21 L.			1904			Oct. 22 Hl.		
14 Ei.Y.			25 L.			Dec. 8 Br.			Nov. 15 Hl.		
1904			Dec. 9 L.			30 M.			Dec. 18 P.		
Oct. 24 Ei.Y.			1909			Aug. 13 M.			21 P.		
1906			Dec. 9 L.			23 M.			31 M.		
Sept. 24 Ei.Y.			1910			Mean.....			B. D. -0° 109		
Mean.....			Jan. 8 L.			+0.062			$\alpha = 0^h 40^m$		
Mag. corr....			18 M.			+0.005			$\delta = -0^\circ 17'$		
B. D. +5° 96			21 P.			21 Cassiopeia			1903		
$\alpha = 0^h 38^m$			22 L.			$\alpha = 0^h 39^m 2^s 267$			Sept. 10 Ei.Y.		
$\delta = +5^\circ 36'$			24 P.			$\delta = +74^\circ 26' 29''.25$			11 Ei.Y.		
1903			28 P.			1904			1904		
Sept. 15 Ei.Y.			31 P.			Aug. 11 Br.			Sept. 16 Ei.Y.		
18 Ei.Y.			1910			12 T.			1906		
			Jan. 8 L.			Nov. 15 Br.			Oct. 12 Ei.P.		
						17 Y.			Mean.....		

1908	s	"	η Cassiopeiae	1905	s	"	1909	s	"
Jan. 2 M.	-0.01	+0.3 E.	$\alpha = 0^h 43^m$	Oct. 13 Br.	+0.09	0.0 W.	Jan. 1 P.	0.00	+0.6 W.
Aug. 30 M.	-0.02	-0.9 W.	$\delta = +57^\circ 17'$	Nov. 14 Br.	+0.12	-0.8	Aug. 5 P.	+0.02	+1.0 E.
Dec. 2 M.	+0.03	+0.2	1905	22 Br.	+0.09	+0.1	19 L.	+0.04	+0.6
3 P.	+0.03	+0.4	Sept. 14 Hl.	23 Hl.	+0.12	0.0	21 L.	+0.02	+1.1
15 P.	+0.04	+0.7	22 Bs.	4 Hl.	+0.09	+0.1	22 P.	-0.01	+1.1
23 L.	+0.02	+0.4	1906	1906			26 P.	+0.04	+0.4
26 L.	+0.04	+0.5	Jan. 6 Hl.	Oct. 6 Ei. P.	+0.16	-0.5 W.	Sept. 1 L.	0.00	+1.4
28 M.	+0.06	+0.4	1907	Mean.....	+0.117	-0.09	2 M.	+0.02	+1.4
29 P.	+0.02	+0.9	Aug. 13 Hl.	Mag. corr....	-0.006		14 P.	+0.05	+0.7
31 M.	+0.04	+0.5	20 Hl.			17 M.	+0.09	+0.6	
1909			25 M.			18 P.	+0.06	+0.9	
Jan. 1 P.	+0.05	+0.8 W.	30 P.			1910			
Sept. 14 P.	+0.02	+1.1 E.	Dec. 6 Hl.			Aug. 22 P.	+0.03	+0.6	
26 P.	+0.02	+0.4	1908			Oct. 17 M.	0.00	+0.9 E.	
28 P.	-0.07	+0.9	Aug. 12 Fk.			Mean.....	+0.030	+0.45	
29 L.	+0.02	+0.5	13 P.			Mag. corr....	+0.004		
30 P.	-0.02	+0.9	Mean.....	4.091	3.74				
Oct. 1 M.	+0.03	+0.4	Mag. corr....	-0.001					
1910									
Aug. 21 L.	-0.07	+0.6	B. D. +1° 142						
23 L.	-0.02	+0.2	$\alpha = 0^h 43^m$						
Sept. 20 L.	-0.01	+0.5	$\delta = +2^\circ 11'$						
Oct. 16 P.	-0.05	+0.2	1903						
17 M.	-0.06	+1.1	Sept. 3 Ei. Y.	4.98	0.6 W.				
18 P.	+0.02	+0.8	21 Ei. Y.	4.96	1.2 W.				
22 L.	+0.05	+0.2 E.	1904						
Mean.....	+0.004	+0.39	Oct. 24 Ei. Y.	5.02	2.3 E.				
Mag. corr....	+0.005		1906						
			Oct. 12 Ei. P.	5.00	1.9 W.				
B. D. +5° 104			Mean.....	4.990	1.50				
$\alpha = 0^h 42^m$			Mag. corr....	-0.007					
$\delta = +6^\circ 11'$									
1903	s	"	B. D. +9° 90						
Oct. 20 Ei. Y.	13.32	42.1 W.	$\alpha = 0^h 43^m$						
22 Ei. Y.	13.33	42.2 W.	$\delta = +9^\circ 42'$						
1904			1903						
Oct. 14 Ei. M.	13.24	42.3 E.	Sept. 12 Ei. Y.	5.29	47.7 W.				
1906			14 Ei. Y.	5.33	48.5 W.				
Oct. 25 Ei. P.	13.28	43.2 W.	1904						
Mean.....	13.292	42.45	Nov. 28 Ei. Y.	5.32	47.7 E.				
Mag. corr....	+0.021		1906						
			Sept. 20 Ei. Y.	5.35	48.7 W.				
B. D. -3° 99			Mean.....	5.322	48.15				
$\alpha = 0^h 42^m$			Mag. corr....	-0.009					
$\delta = -2^\circ 52'$									
1903	s	"	B. D. +6° 105						
Oct. 15 Ei. Y.	30.73	4.8 W.	$\alpha = 0^h 43^m$						
19 Ei. Y.	30.68	5.2 W.	$\delta = +6^\circ 45'$						
1904			1903						
Oct. 27 Ei. M.	30.70	4.6 E.	Sept. 10 Ei. Y.	6.15	13.8 W.				
1906			11 Ei. Y.	6.05	14.5 W.				
Oct. 15 Ei. P.	30.69	5.4 W.	1904						
Mean.....	30.700	5.00	Oct. 10 Ei. Y.	6.13	14.4 E.				
Mag. corr....	+0.008		1906						
			Sept. 25 Ei. Y.	6.12	15.7 W.				
B. D. +8° 110			Mean.....	6.112	14.60				
$\alpha = 0^h 42^m$			Mag. corr....	-0.012					
$\delta = +8^\circ 40'$									
1903	s	"	147 B. Piscium						
Oct. 12 Ei. Y.	59.39	34.0 W.	$\alpha = 0^h 43^m 8^s.399$						
13 Ei. Y.	59.40	34.1 W.	$\delta = +4^\circ 45' 53''.98$						
1904			1903						
Oct. 22 Ei. M.	59.44	34.2 E.	Oct. 27 Ei. Y.	+0.08	+0.5 W.				
1906			29 Ei. Y.	+0.15	-0.3 W.				
Sept. 24 Ei. Y.	59.44	34.7 W.	1904						
Mean.....	59.418	34.25	Sept. 25 M.	+0.16	-0.3 E.				
Mag. corr....	0.000		Oct. 1 Ei. Y.	+0.14	+0.1				
			21 Br.	+0.12	-0.4				
			28 Br.	+0.07	-0.1				
			Nov. 11 Br.	+0.15	-0.2				
			15 Br.	+0.10	+0.6 E.				

B. D. -1° 104			1904			B. D. +7° 124			1905		
$\alpha = 0^h 44^m$			Oct. 1 Ei.Y. 19.92 54.6 E.			$\alpha = 0^h 47^m$			Dec. 22 Bs. +0.07 ... W.		
$\delta = -0^\circ 46'$			1906			$\delta = +8^\circ 7'$			29 Br. +0.08 -0.6		
1903			Oct. 6 Ei.P. 19.97 54.0 W.			1903			1906		
Oct. 27 Ei.Y. 47.74 7.3 W.			Mean..... 19.925 54.42			Oct. 12 Ei.Y. 20.79 20.6 W.			Jan. 5 Br. +0.06 0.0		
29 Ei.Y. 47.75 8.2 W.			Mag. corr.... -0.012			13 Ei.Y. 20.72 19.7 W.			Oct. 6 Ei.P. +0.04 -0.1 W.		
1904			B. D. +11° 106			1904			1907		
Oct. 27 Ei.M. 47.68 7.9 E.			$\alpha = 0^h 46^m$			Oct. 24 Ei.Y. 20.77 20.4 E.			Oct. 22 Hl. +0.10 -0.2 E.		
1906			$\delta = +12^\circ 14'$			1906			Dec. 11 Ei.M. +0.07 +0.8		
Sept. 24 Ei.Y. 47.70 7.9 W.			1903			Sept. 20 Ei.Y. 20.81 21.0 W.			19 M. +0.05 +0.3		
Mean..... 47.718 7.82			Sept. 18 Ei.Y. 20.76 28.0 W.			Mean..... 20.772 20.42			20 Hl. +0.09 ... E.		
Mag. corr.... +0.014			22 Ei.Y. 20.71 28.5 W.			Mag. corr.... -0.007			1908		
B. D. +11° 102			Oct. 15 Ei.Y. 20.76 28.0 W.			B. D. +9° 101			Aug. 15 P. +0.06 +0.1 W.		
$\alpha = 0^h 44^m$			1904			$\alpha = 0^h 47^m$			1909		
$\delta = +11^\circ 17'$			Oct. 29 Ei.M. 20.70 28.5 E.			$\delta = +9^\circ 15'$			July 8 P. [+0.16] [+0.2] E.		
1903			1906			1903			Aug. 4 L. +0.04 +0.4		
Oct. 15 Ei.Y. 58.83 11.6 W.			Oct. 15 Ei.P. 20.73 28.3 W.			Sept. 3 Ei.Y. 34.96 40.4 W.			5 P. +0.08 +0.6		
19 Ei.Y. 58.79 11.5 W.			Mean..... 20.732 28.26			19 Ei.Y. 34.92 41.1 W.			19 L. +0.10 0.0		
1904			Mag. corr.... +0.014			1904			21 L. +0.05 +1.0		
Oct. 22 Ei.M. 58.78 11.6 E.			B. D. +3° 115			Oct. 10 Ei.Y. 34.94 40.3 E.			22 P. +0.03 +0.5		
1906			$\alpha = 0^h 46^m$			Sept. 25 Ei.Y. 34.92 41.4 W.			26 P. +0.08 +0.2		
Oct. 12 Ei.P. 58.75 11.7 W.			$\delta = +3^\circ 50'$			Mean..... 34.935 40.80			Sept. 1 L. +0.12 +1.2		
Mean..... 58.788 11.60			1903			Mag. corr.... -0.006			2 M. +0.08 +1.4		
Mag. corr.... -0.010			Oct. 20 Ei.Y. 46.76 59.1 W.			20 Ceti			14 P. +0.09 +0.3		
B. D. +9° 97			22 Ei.Y. 46.73 58.9 W.			$\alpha = 0^h 47^m 53^s.785$			17 M. +0.09 +0.5		
$\alpha = 0^h 45^m$			1904			$\delta = -1^\circ 41' 13'' 67$			18 P. +0.05 0.0		
$\delta = +9^\circ 52'$			Oct. 27 Ei.M. 46.72 60.0 E.			1903			26 P. +0.06 +0.8		
1903			1906			Sept. 12 Ei.Y. +0.06 -0.2 W.			Dec. 18 M. +0.10 +0.3		
Oct. 12 Ei.Y. 21.01 1.3 W.			Oct. 25 Ei.P. 46.70 59.4 W.			14 Ei.Y. +0.09 -0.3			21 P. +0.03 -0.2		
13 Ei.Y. 20.97 1.6 W.			Mean..... 46.728 59.35			Nov. 6 Ei.Y. 0.00 +0.9			Jan. 4 L. +0.10 +0.6		
1904			Mag. corr.... 0.000			27 Br. +0.07 0.0			7 L. +0.10 ... E.		
Oct. 14 Ei.M. 21.05 1.2 E.			B. D. +9° 99 (mean)			28 R. +0.08 -0.5			Mean..... +0.063 +0.13		
1906			$\alpha = 0^h 46^m$			30 L. -0.02 -0.6			Mag. corr.... +0.002		
Oct. 25 Ei.P. 21.00 1.6 W.			$\delta = +10^\circ 3'$			Dec. 1 Br. +0.05 -0.1			B. D. +10° 105		
Mean..... 21.008 1.42			1903			3 Br. +0.05 -0.2			$\alpha = 0^h 48^m$		
Mag. corr.... -0.006			Oct. 27 Ei.Y. 54.68 29.1 W.			5 Br. +0.04 +0.5			$\delta = +10^\circ 34'$		
B. D. +2° 118			29 Ei.Y. 54.75 28.3 W.			15 Br. +0.05 -0.5			1903		
$\alpha = 0^h 46^m$			1904			17 Br. +0.07 -0.3			Sept. 10 Ei.Y. 37.35 48.7 W.		
$\delta = +2^\circ 50'$			Oct. 22 Ei.M. 54.73 28.9 E.			18 M. +0.02 +0.4			11 Ei.Y. 37.34 48.5 W.		
1903			Mean..... 54.720 28.77			22 Br. +0.07 -0.4			1904		
Sept. 3 Ei.Y. 9.35 34.0 W.			Mag. corr.... -0.005			23 R. +0.10 -0.4			Oct. 29 Ei.M. 37.38 48.6 E.		
21 Ei.Y. 9.37 32.9 W.			B. D. +9° 99 (south)			1904			1906		
1904			$\alpha = 0^h 46^m$			Aug. 2 T. +0.11 +0.2			Oct. 15 Ei.P. 37.39 48.0 W.		
Oct. 24 Ei.Y. 9.32 34.1 E.			$\delta = +10^\circ 3'$			4 Br. +0.06 +0.4 W.			Mean..... 37.365 48.45		
1906			1903			Sept. 15 Ei.Y. 0.00 +1.6 E.			Mag. corr.... -0.009		
Sept. 20 Ei.Y. 9.34 33.8 W.			Oct. 27 Ei.Y. 54.68 29.1 W.			16 Ei.Y. +0.03 +0.2			B. D. +38° 136		
Mean..... 9.345 33.70			29 Ei.Y. 54.75 28.3 W.			22 T. +0.10 -0.2			$\alpha = 0^h 48^m$		
Mag. corr.... +0.017			Mean..... 54.720 28.77			25 M. +0.09 0.0			$\delta = +38^\circ 31'$		
B. D. +0° 130			B. D. +12° 104			Oct. 1 Ei.Y. +0.03 -0.1			1908		
$\alpha = 0^h 46^m$			$\alpha = 0^h 47^m$			17 Ei.Y. -0.01 -0.3			Dec. 9 L. 32.5 W.		
$\delta = +0^\circ 22'$			$\delta = +13^\circ 6'$			21 Br. +0.05 -0.1			19 L. 45.27 31.3 W.		
1903			1906			23 Br. +0.06 +0.1			Mean..... 45.27 31.90		
Sept. 12 Ei.Y. 18.11 0.4 W.			Sept. 24 Ei.Y. 54.79 27.6 W.			28 Br. +0.04 +0.2			Mag. corr.... 0.00		
14 Ei.Y. 18.13 0.5 W.			Mag. corr.... -0.01			Nov. 11 Br. +0.02 +0.2			B. D. +5° 120		
1904			B. D. +12° 104			15 Br. +0.07 +0.4			$\alpha = 0^h 48^m$		
Oct. 10 Ei.Y. 18.11 0.3 E.			$\alpha = 0^h 47^m$			21 M. +0.09 0.0			$\delta = +5^\circ 15'$		
1906			1903			28 Ei.Y. +0.04 -0.2			1903		
Sept. 25 Ei.Y. 18.10 1.1 W.			Oct. 15 Ei.Y. 14.72 20.0 W.			Dec. 13 Br. +0.02 +0.3			Sept. 15 Ei.Y. 47.81 57.7 W.		
Mean..... 18.112 0.58			19 Ei.Y. 14.57 20.3 W.			14 M. +0.06 +0.2			18 Ei.Y. 47.84 58.4		
Mag. corr.... -0.010			1904			28 M. +0.04 +0.1 E.			22 Ei.Y. 47.84 58.6 W.		
B. D. +1° 151			Oct. 14 Ei.M. 14.59 19.8 E.			1905			1904		
$\alpha = 0^h 46^m$			Oct. 12 Ei.P. 14.54 20.6 W.			Aug. 21 Br. +0.13 -0.6 W.			Oct. 27 Ei.M. 47.82 58.8 E.		
$\delta = +1^\circ 50'$			Mean..... 14.605 20.18			Sept. 13 Bs. +0.11 +1.4			1906		
1903			Mag. corr.... +0.007			22 Bs. +0.06 -0.7			Sept. 24 Ei.Y. 47.88 59.0 W.		
Sept. 11 Ei.Y. 19.92 54.4 W.			B. D. +12° 104			30 Hl. +0.08 0.0			Mean..... 47.838 58.50		
29 Ei.Y. 19.89 54.7 W.			$\alpha = 0^h 47^m$			Oct. 28 Bs. +0.08 -1.3			Mag. corr.... -0.002		
			$\delta = +13^\circ 6'$			Nov. 14 Br. +0.06 -0.4					
						22 Bs. +0.11 -0.1					
						23 Hl. +0.09 -0.4					
						Dec. 14 Hl. +0.06 +0.7					
						18 Bs. +0.06 +0.3 W.					

B. D. +12° 108			1906			1903			B. D. +3° 131		
$\alpha = 0^h 49^m$			Sept. 20 Ei.Y. 14.94 19.8 W.			Dec. 18 M. 25.30 6.3			$\alpha = 0^h 53^m$		
$\delta = +12^\circ 18'$			Mean..... 14.950 19.48			23 R. 25.29 6.1			$\delta = +3^\circ 45'$		
1903			Mag. corr.... -0.013			28 M. 25.35 5.6 W.			1903		
Oct. 20 Ei.Y. 46.58 19.3 W.			B. D. +8° 130			1907			Oct. 15 Ei.Y. 9.16 23.2 W.		
22 Ei.Y. 46.52 19.5 W.			$\alpha = 0^h 51^m$			Nov. 25 M. 25.31 6.4 E.			19 Ei.Y. 9.11 22.9 W.		
1904			$\delta = +8^\circ 41'$			30 P. 25.33 6.9			1904		
Oct. 22 Ei.M. 46.53 20.2 E.			1903			Dec. 6 Hl. 25.28 5.8			Oct. 10 Ei.Y. 9.08 22.9 E.		
1906			Oct. 12 Ei.Y. 20.62 17.7 W.			12 Hl. 25.32 5.9			1906		
Oct. 12 Ei.P. 46.48 20.6 W.			13 Ei.Y. 20.63 18.4 W.			19 M. 25.34 6.1 E.			Sept. 25 Ei.Y. 9.06 24.2 W.		
Mean..... 46.528 19.90			1904			Mean..... 25.325 6.05			Mean..... 9.102 23.30		
Mag. corr.... -0.003			Oct. 10 Ei.Y. 20.68 17.6 E.			Mag. corr.... -0.003			Mag. corr.... -0.002		
γ Cassiopeiae			1906			B. D. +0° 149			α Sculptoris		
$\alpha = 0^h 50^m 40^s.170$			Sept. 25 Ei.Y. 20.67 18.5 W.			$\alpha = 0^h 52^m$			$\alpha = 0^h 53^m 47^s.209$		
$\delta = +60^\circ 10' 30''.97$			Mean..... 20.650 18.05			$\delta = +1^\circ 14'$			$\delta = -29^\circ 53' 52''.88$		
1905			Mag. corr.... 0.000			1903			1905		
Oct. 17 Br. -0.07 -0.1 W.			B. D. +9° 110			Sept. 15 Ei.Y. 31.36 40.5 W.			Nov. 1 Bs. +0.08 +1.8 W.		
Nov. 1 Bs. +0.03 +0.2			$\alpha = 0^h 51^m$			18 Ei.Y. 31.46 40.0			10 Bs. +0.04 +1.8		
10 Bs. -0.01 +0.2			$\delta = +9^\circ 28'$			22 Ei.Y. 31.42 40.3 W.			14 Br. +0.14 +0.9		
21 Br. +0.01 +0.4			1903			1904			23 Hl. +0.21 +1.6		
Dec. 1 Br. -0.08 +0.4 W.			Sept. 3 Ei.Y. 33.52 29.4 W.			Oct. 22 Ei.M. 31.42 40.9 E.			Dec. 4 Hl. +0.09 +1.8		
1907			19 Ei.Y. 33.59 29.4 W.			1906			26 Hl. +0.14 +0.2 W.		
Aug. 11 Hl. +0.05 0.0 E.			1904			Oct. 12 Ei.P. 31.44 40.6 W.			1907		
13 Hl. +0.01 -0.2			Oct. 1 Ei.Y. 33.56 30.5 E.			Mean..... 31.420 40.46			Aug. 24 P. +0.15 +1.5 E.		
20 Hl. +0.07 +0.8			1906			Mag. corr.... +0.008			Dec. 6 Hl. +0.18 +0.2		
Sept. 16 Hl. +0.04 +0.7			Oct. 6 Ei.P. 33.63 29.4 W.			B. D. +12° 119			12 Hl. +0.07 +1.4		
Nov. 14 M. -0.12 +0.3 E.			Mean..... 33.575 29.68			$\alpha = 0^h 52^m$			19 M. +0.13 +2.5		
Mean..... -0.007 +0.27			Mag. corr.... -0.009			$\delta = +13^\circ 9'$			23 M. +0.08 +2.1		
Mag. corr.... +0.006			B. D. -0° 146			1903			1909		
B. D. +13° 127			$\alpha = 0^h 52^m$			Oct. 20 Ei.Y. 39.69 19.9 W.			Dec. 30 M. +0.19 +1.5		
$\alpha = 0^h 50^m$			$\delta = -0^\circ 11'$			22 Ei.Y. 39.68 19.2 W.			1911		
$\delta = +13^\circ 24'$			1903			1904			Jan. 5 M. +0.19 +1.2 E.		
Oct. 27 Ei.Y. 54.26 38.6 W.			Sept. 12 Ei.Y. 5.65 54.2 W.			Nov. 28 Ei.Y. 39.62 19.4 E.			Mean..... +0.130 +1.42		
29 Ei.Y. 54.30 37.9 W.			14 Ei.Y. 5.70 54.5 W.			1906			Mag. corr.... +0.004		
1904			1904			Oct. 25 Ei.P. 39.67 19.8 W.			B. D. +39° 224		
Oct. 14 Ei.M. 54.30 37.4 E.			Oct. 29 Ei.M. 5.74 53.9 E.			Mean..... 39.665 19.58			$\alpha = 0^h 53^m$		
1906			1906			Mag. corr.... -0.015			$\delta = +39^\circ 36'$		
Oct. 25 Ei.P. 54.30 38.0 W.			Oct. 15 Ei.P. 5.71 54.2 W.			B. D. +6° 131			1908		
Mean..... 54.290 37.98			Mean..... 5.700 54.20			$\alpha = 0^h 52^m$			Dec. 9 L. 51.41 57.3 W.		
Mag. corr.... +0.014			Mag. corr.... +0.003			$\delta = +7^\circ 4'$			19 L. 51.32 57.3 W.		
μ Andromedae			B. D. +11° 120			1903			Mean..... 51.365 57.30		
$\alpha = 0^h 51^m 12^s.140$			$\alpha = 0^h 52^m$			Oct. 27 Ei.Y. 46.55 15.3 W.			Mag. corr.... +0.002		
$\delta = +37^\circ 57' 25''.37$			$\delta = +11^\circ 53'$			29 Ei.Y. 46.63 15.0 W.			B. D. -1° 124		
1906			1903			1904			$\alpha = 0^h 54^m$		
Jan. 2 Br. +0.4 W.			Sept. 10 Ei.Y. 7.45 20.9 W.			Oct. 24 Ei.Y. 46.62 15.1 E.			$\delta = -1^\circ 12'$		
Sept. 4 P. +0.03 -0.2 W.			11 Ei.Y. 7.47 21.2 W.			1906			1903		
1907			1904			Sept. 20 Ei.Y. 46.61 15.3 W.			Sept. 3 Ei.Y. 13.53 48.7 W.		
Aug. 18 Hl. +0.10 +0.5 E.			Oct. 27 Ei.M. 7.45 21.4 E.			Mean..... 46.602 15.18			19 Ei.Y. 13.45 48.1 W.		
Nov. 29 Hl. -0.03 +0.2			1906			Mag. corr.... -0.002			1904		
Dec. 20 Hl. +0.02 +0.1			Sept. 24 Ei.Y. 7.49 21.4 W.			B. D. +6° 135			Oct. 29 Ei.M. 13.54 48.3 E.		
23 M. +0.04 +0.1			Mean..... 7.465 21.22			$\alpha = 0^h 53^m$			1906		
1908			Mag. corr.... -0.003			$\delta = +6^\circ 18'$			Oct. 15 Ei.P. 13.58 49.2 W.		
Jan. 2 M. +0.02 +0.5 E.			λ Piscium			1903			Mean..... 13.525 48.58		
Aug. 13 P. -0.02 +0.3 W.			$\alpha = 0^h 52^m$			Oct. 12 Ei.Y. 8.24 14.7 W.			Mag. corr.... +0.003		
15 P. -0.04 +0.1			$\delta = +28^\circ 27'$			13 Ei.Y. 8.22 15.1 W.			B. D. +13° 143		
Sept. 11 Fk. +0.03 +0.5 W.			1903			1904			$\alpha = 0^h 54^m$		
Mean..... +0.017 +0.25			Nov. 27 Br. 25.34 5.8 W.			Oct. 1 Ei.Y. 8.19 15.8 E.			$\delta = +14^\circ 4'$		
Mag. corr.... -0.003			28 R. 25.32 6.2			1906			1903		
B. D. +11° 118			30 L. 25.34 5.8			Oct. 6 Ei.P. 8.26 14.7 W.			Sept. 12 Ei.Y. 28.39 13.3 W.		
$\alpha = 0^h 51^m$			Dec. 1 Br. 25.36 5.7			Mean..... 8.228 15.08			14 Ei.Y. 28.54 13.5 W.		
$\delta = +12^\circ 10'$			3 Br. 25.34 5.9			Mag. corr.... +0.013			1904		
1903			5 Br. 25.34 6.2			Oct. 27 Ei.M. 28.44 13.0 E.			1906		
Oct. 15 Ei.Y. 14.97 19.4 W.			7 R. 25.31 5.8			Sept. 24 Ei.Y. 28.45 12.7 W.			Mean..... 28.455 13.12		
19 Ei.Y. 14.96 19.2 W.			11 R. 25.32 6.6			Mag. corr.... -0.012			Mag. corr.... -0.012		
1904			15 Br. 25.34 5.7								
Oct. 24 Ei.Y. 14.93 19.5 E.											

B. D. +5° 131			1909			1909			B. D. +10° 115		
$\alpha = 0^h 54^m$			s			s			$\alpha = 0^h 56^m$		
$\delta = +5^\circ 56'$			$''$			$''$			$\delta = +10^\circ 38'$		
1903			Jan. 1 P.			July 7 L.			1903		
Sept. 10 Ei.Y.			2 L.			8 M.			Oct. 27 Ei.Y.		
11 Ei.Y.			6 L.			9 P.			29 Ei.Y.		
1904			18 M.			10 L.			1904		
Oct. 22 Ei.M.			21 M.			24 P.			Oct. 10 Ei.Y.		
1906			7 M.			25 P.			1906		
Oct. 12 Ei.P.			8 P.			26 M.			Sept. 25 Ei.Y.		
Mean.....			10 P.			29 P.			Mean.....		
Mag. corr....			15 P.			16 L.			Mag. corr....		
B. D. +1° 185			16 L.			17 M.			B. D. +4° 157		
$\alpha = 0^h 54^m$			18 M.			20 P.			$\alpha = 0^h 56^m$		
$\delta = +2^\circ 5'$			19 P.			22 M.			$\delta = +4^\circ 35'$		
1903			20 M.			23 P.			1903		
Sept. 15 Ei.Y.			25 M.			26 M.			Oct. 19 Ei.Y.		
18 Ei.Y.			Dec. 16 M.			Jan. 3 P.			Nov. 3 Ei.Y.		
22 Ei.Y.			18 M.			7 L.			1904		
1904			20 M.			10 P.			Oct. 1 Ei.Y.		
Oct. 14 Ei.M.			21 P.			18 L.			1906		
Nov. 28 Ei.Y.			22 L.			Mean.....			Oct. 6 Ei.P.		
1906			24 P.			Mag. corr....			Mean.....		
Oct. 25 Ei.P.			28 P.			B. D. -2° 140			Mag. corr....		
Mean.....			29 L.			$\alpha = 0^h 55^m$			B. D. +53° 207		
Mag. corr....			31 P.			$\delta = -2^\circ 11'$			$\alpha = 0^h 56^m$		
43 H. Cephei			1910			1903			$\delta = +53^\circ 42'$		
$\alpha = 0^h 55^m$			Jan. 8 L.			Oct. 20 Ei.Y.			1907		
$\delta = +85^\circ 43'$			Mean.....			22 Ei.Y.			Sept. 16 Hl.		
1° 988			Mag. corr....			Oct. 24 Ei.Y.			21 Hl.		
14'' 71			43 H. Cephei s. p.			1906			Mean.....		
1904			$\alpha = 0^h 55^m$			Sept. 20 Ei.Y.			Mag. corr....		
Sept. 6 M.			$\delta = +85^\circ 43'$			Mean.....			B. D. +9° 116		
8 M.			1904			1 B. Ursæ Minoris			$\alpha = 0^h 56^m$		
22 T.			Jan. 15 Br.			$\delta = +88^\circ 29'$			$\delta = +9^\circ 33'$		
25 M.			Dec. 30 Br.			1905			1903		
Oct. 21 Br.			1905			Sept. 13 Bs.			Oct. 12 Ei.Y.		
28 Br.			Jan. 12 Br.			14 Hl.			13 Ei.Y.		
Nov. 5 Y.			Apr. 27 Y.			Dec. 13 Bs.			1904		
11 Br.			May 1 Y.			21 Hl.			Oct. 29 Ei.M.		
17 Y.			2 Br.			30 Hl.			1906		
18 Br.			12 Br.			1907			Oct. 15 Ei.P.		
19 Y.			June 2 Br.			Aug. 14 P.			Mean.....		
21 M.			Dec. 29 Hl.			26 P.			Mag. corr....		
Dec. 1 Br.			1906			Oct. 22 Hl.			B. D. +7° 151		
8 Br.			Jan. 1 Br.			Dec. 2 M.			$\alpha = 0^h 56^m$		
13 Br.			12 Hl.			7 P.			$\delta = +7^\circ 24'$		
28 M.			16 Bs.			18 P.			1903		
30 M.			24 Hl.			Mean.....			Sept. 3 Ei.Y.		
1905			Feb. 9 Hl.			Mag. corr....			19 Ei.Y.		
Jan. 4 M.			Mar. 31 Bs.			1 B. Ursæ Minoris s. p.			1904		
Aug. 13 M.			1907			$\alpha = 0^h 55^m$			Oct. 27 Ei.M.		
23 M.			Apr. 29 M.			$\delta = +88^\circ 29'$			1906		
Sept. 8 Bs.			May 9 M.			1904			Sept. 24 Ei.Y.		
Nov. 22 Bs.			20 M.			May 3 Br.			Mean.....		
Dec. 18 Bs.			Dec. 30 M.			1906			Mag. corr....		
22 Bs.			1908			Apr. 18 Bs.			B. D. +38° 176		
1906			Jan. 9 P.			1907			$\alpha = 0^h 56^m$		
Aug. 23 Br.			Feb. 17 Hl.			May 13 M.			$\delta = +38^\circ 56'$		
30 Br.			Mar. 27 Fk.			14 Hl.			1907		
1907			Apr. 3 Fk.			Mean.....			Dec. 31 M.		
Aug. 25 Hl.			16 M.			Mag. corr....			1908		
29 Hl.			20 M.			1908			Jan. 2 M.		
Sept. 5 Hl.			Dec. 18 L.			Jan. 14 M.			Mean.....		
8 Hl.			27 M.			25 P.			Mag. corr....		
1908			28 P.			Mar. 2 Hl.			B. D. +10° 115		
Aug. 2 P.			1909			May 2 Fk.			$\alpha = 0^h 56^m$		
4 P.			Jan. 1 L.			10 P.			$\delta = +10^\circ 38'$		
9 P.			5 L.			27 Fk.			1903		
31 P.			12 L.			28 M.			Oct. 19 Ei.Y.		
Dec. 15 P.			17 M.			Mean.....			29 Ei.Y.		
23 L.			18 P.			Mag. corr....			0.05		
26 L.			20 M.			B. D. +10° 115			0.06		
28 M.			26 P.			$\alpha = 0^h 56^m$			33.9 W.		
29 P.			Apr. 5 P.			$\delta = +10^\circ 38'$			33.3 W.		
			May 11 P.			$\alpha = 0^h 55^m$			34.0 E.		
			12 L.			$\delta = -2^\circ 11'$			33.7 W.		
						1903			Mean.....		
						Oct. 20 Ei.Y.			0.052		
						22 Ei.Y.			33.72		
						34.19			Mag. corr....		
						49.6 W.			-0.002		
						50.1 W.					
						34.17					
						48.8 E.					
						34.15					
						49.3 W.					
						34.175					
						49.45					
						+0.012					
						1 B. Ursæ Minoris					
						$\alpha = 0^h 55^m$					
						$\delta = +88^\circ 29'$					
						1905					
						Sept. 13 Bs.					
						36.75					
						15.3 W.					
						37.65					
						15.0					
						37.71					
						15.0					
						37.47					
						14.8 W.					
						36.98					
						1907					
						Aug. 14 P.					
						38.48					
						14.5 E.					
						26 P.					
						38.49					
						15.1					
						38.54					
						15.6					
						38.52					
						14.8					
						39.39					
						15.9					
						39.23					
						15.2 E.					
						Mean.....					
						38.110					
						15.12					
						Mag. corr....					
						+0.006					
						1 B. Ursæ Minoris s. p.					
						$\alpha = 0^h 55^m$					
						$\delta = +88^\circ 29'$					
						1904					
						May 3 Br.					
						37.87					
						15.5 W.					
						1906					
						Apr. 18 Bs.					
						39.64					
						15.3 W.					
						1907					
						May 13 M.					
						38.60					
						15.3 E.					
						14 Hl.					
						39.51					
						15.7					
						1908					
						Jan. 14 M.					
						38.31					
						14.7					
						25 P.					
						38.33					
						15.0					
						Mar. 2 Hl.					
						37.57					
						15.3 E.					
						May 2 Fk.					
						37.24					
						15.8 W.					
						10 P.					
						40.20					
						16.1					
						27 Fk.					
						40.37					
						15.2 W.					
						28 M.					
						38.16					
						Mean.....					
						38.709					
						15.39					
						Mag. corr....					
						+0.011					

B. D. +13° 150			1909			1907			1907		
$\alpha = 0^h 57^m$			s			s			s		
$\delta = +13^\circ 42'$			Sept. 2 M.			Nov. 14 M.			Aug. 20 Hl.		
1903			14 P.			29 Hl.			24 P.		
Sept. 12 Ei.Y.			17 M.			Mean.....			Nov. 25 M.		
14 Ei.Y.			18 P.			Mag. corr....			Dec. 6 Hl.		
18.14			28 P.			B. D. +39° 249			1908		
51.5 W.			29 L.			$\alpha = 0^h 58^m$			Aug. 13 P.		
18.24			30 P.			$\delta = +39^\circ 27'$			20 Fk.		
51.8 W.			Oct. 1 M.			1908			Mean.....		
18.22			25 M.			Dec. 9 L.			48.594		
52.2 W.			26 P.			19 L.			31.09		
18.23			27 L.			Mean.....			Mag. corr....		
52.9 E.			29 L.			58.950			B. D. +4° 175		
18.208			30 P.			58.92			$\alpha = 1^h 0^m$		
52.10			1910			Mag. corr....			$\delta = +4^\circ 22'$		
-0.010			Aug. 22 P.			B. D. -0° 163			1903		
B. D. +8° 159			23 L.			$\alpha = 0^h 59^m$			Sept. 15 Ei.Y.		
$\alpha = 0^h 57^m$			Mean.....			$\delta = +0^\circ 4'$			18 Ei.Y.		
$\delta = +8^\circ 35'$			+0.009			1903			22 Ei.Y.		
1903			+0.005			Oct. 12 Ei.Y.			38.77		
Sept. 10 Ei.Y.			B. D. +12° 126			13 Ei.Y.			38.82		
29.50			$\alpha = 0^h 57^m$			Oct. 27 Ei.M.			38.82		
45.5 W.			$\delta = +12^\circ 30'$			Sept. 24 Ei.Y.			38.76		
1904			1903			Mean.....			32.9 E.		
Oct. 14 Ei.M.			Oct. 20 Ei.Y.			10.005			33.6 W.		
45.0 E.			22 Ei.Y.			-0.006			Mean.....		
29.48			Oct. 10 Ei.Y.			B. D. +14° 169			38.778		
45.6 E.			1906			$\alpha = 1^h 0^m$			+0.014		
29.50			Sept. 25 Ei.Y.			$\delta = +14^\circ 50'$			1903		
45.3 W.			Mean.....			B. D. +6° 155			Oct. 22 Ei.Y.		
29.510			51.000			$\alpha = 0^h 59^m$			39.24		
+0.015			-0.001			$\delta = +6^\circ 30'$			55.2 W.		
ε Piscium			B. D. +13° 155			1903			Nov. 6 Ei.Y.		
$\alpha = 0^h 57^m 45^s.109$			$\alpha = 0^h 58^m$			Sept. 3 Ei.Y.			39.26		
$\delta = +7^\circ 21' 6''.64$			$\delta = +13^\circ 24'$			19 Ei.Y.			56.3 W.		
1903			1903			1904			Oct. 1 Ei.Y.		
Sept. 15 Ei.Y.			Oct. 27 Ei.Y.			Nov. 28 Ei.Y.			39.16		
-0.04			35.23			Oct. 12 Ei.P.			56.6 E.		
+0.4 W.			1.8 W.			Mean.....			54.8 W.		
18 Ei.Y.			29 Ei.Y.			37.890			Mean.....		
-0.06			35.22			+0.002			39.238		
+1.0			1.1 W.			B. D. +4° 172			+0.008		
22 Ei.Y.			Oct. 1 Ei.Y.			$\alpha = 0^h 59^m$			B. D. +2° 155		
+0.03			35.24			$\delta = +5^\circ 7'$			$\alpha = 1^h 0^m$		
+0.2			1.6 E.			1903			$\delta = +2^\circ 44'$		
Nov. 6 Ei.Y.			Oct. 6 Ei.P.			Sept. 12 Ei.Y.			1903		
0.00			0.6 W.			14 Ei.Y.			Oct. 27 Ei.Y.		
+0.9			Mean.....			Oct. 14 Ei.M.			56.30		
1904			35.245			Mean.....			23.9 W.		
Aug. 4 Br.			1.28			37.89			23.2 W.		
+0.04			26 Ceti			Mag. corr....			56.28		
+1.2			$\alpha = 0^h 58^m$			B. D. +15° 159			23.9 E.		
-0.01			$\delta = +0^\circ 49'$			$\alpha = 1^h 1^m$			22.9 W.		
-0.02			1903			$\delta = +15^\circ 46'$			Mean.....		
+0.7 W.			Oct. 19 Ei.Y.			1903			56.302		
-0.02			40.29			Oct. 19 Ei.Y.			0.000		
+0.4 E.			51.4 W.			Nov. 3 Ei.Y.			B. D. +12° 135		
+0.2			Nov. 3 Ei.Y.			4.54			$\alpha = 1^h 1^m$		
+0.3			40.30			4.56			$\delta = +12^\circ 25'$		
+0.6			51.3			Oct. 27 Ei.M.			1903		
+0.6			51.7			4.52			Oct. 12 Ei.Y.		
+0.5 E.			51.7			43.8 E.			17.83		
1905			51.7			Mean.....			12.1 W.		
Oct. 28 Bs.			51.7			4.548			17.87		
-0.02			51.7			-0.003			12.4 W.		
-0.4 W.			51.7			B. D. +12° 135			1903		
-0.08			51.7			$\alpha = 1^h 1^m$			Oct. 12 Ei.Y.		
+0.1			51.7			$\delta = +12^\circ 25'$			17.83		
+0.1			51.7			1903			12.1 W.		
+0.6			51.7			Sept. 10 Ei.Y.			12.4 W.		
+0.7			51.7			48.59			1907		
+0.7			51.7			48.57			Aug. 18 Hl.		
+0.2			51.7			30.6 W.			48.61		
+0.2			51.7			31.0			31.8 E.		
+0.1			51.7			1904			1907		
+0.6			51.7			Aug. 2 T.			Sept. 20 Ei.Y.		
+0.6			51.7			Oct. 24 Ei.Y.			48.59		
+0.4 W.			51.7			48.60			31.2 W.		
+0.4 W.			51.7			1905					

1904 Nov. 28 Ei.Y. 17.90 12.1 E. 1906 Oct. 12 Ei.P. 17.94 12.8 W. Mean..... 17.885 12.35 Mag. corr.... +0.021 B. D. -1° 144 $\alpha = 1^h 1^m$ $\delta = -1^\circ 17'$ 1903 Sept. 3 Ei.Y. 18.63 1.2 W. 19 Ei.Y. 18.57 1.7 W. 1904 Oct. 14 Ei.M. 18.62 2.0 E. 1906 Oct. 25 Ei.P. 18.64 1.5 W. Mean..... 18.615 1.60 Mag. corr.... 0.000 B. D. +13° 165 $\alpha = 1^h 1^m$ $\delta = +13^\circ 21'$ 1903 Sept. 12 Ei.Y. 19.95 1.8 W. 14 Ei.Y. 19.97 2.2 W. 1904 Oct. 24 Ei.Y. 19.97 1.7 E. 1906 Sept. 20 Ei.Y. 19.91 1.8 W. Mean..... 19.950 1.88 Mag. corr.... +0.008 B. D. +7° 167 $\alpha = 1^h 1^m$ $\delta = +7^\circ 49'$ 1903 Sept. 10 Ei.Y. 25.41 33.4 W. 21 Ei.Y. 25.41 32.8 W. 1904 Oct. 10 Ei.Y. 25.36 33.6 E. 1906 Sept. 25 Ei.Y. 25.33 34.2 W. Mean..... 25.378 33.50 Mag. corr.... +0.013 μ Cassiopeie $\alpha = 1^h 1^m 39^s.599$ $\delta = +54^\circ 25' 36''.69$ 1905 Oct. 28 Bs. +0.06 -0.2 W. Nov. 8 Bs. +0.03 -0.6 14 Br. +0.07 -0.9 Dec. 27 Br. +0.02 -0.1 W. 1907 Sept. 21 Hl. +0.12 -0.5 E. Dec. 12 Hl. +0.11 -0.9 19 M. +0.12 -0.6 20 Hl. +0.17 -0.6 23 M. +0.13 -0.5 E. 1908 Aug. 15 P. +0.04 -0.2 W. Mean..... +0.087 -0.51 Mag. corr.... -0.001 B. D. +10° 128 $\alpha = 1^h 1^m$ $\delta = +11^\circ 1'$ 1903 Sept. 15 Ei.Y. 48.80 2.1 W. 18 Ei.Y. 48.78 2.0 22 Ei.Y. 48.86 2.2 W.	1904 Oct. 1 Ei.Y. 48.79 2.8 E. 1906 Oct. 6 Ei.P. 48.84 2.0 W. Mean..... 48.814 2.22 Mag. corr.... +0.010 B. D. +15° 164 $\alpha = 1^h 2^m$ $\delta = +15^\circ 19'$ 1903 Oct. 20 Ei.Y. 34.37 47.5 W. 22 Ei.Y. 34.39 47.0 W. 1904 Nov. 30 Ei.Y. 34.34 48.2 E. 1906 Oct. 15 Ei.P. 34.36 47.3 W. Mean..... 34.365 47.50 Mag. corr.... -0.001 B. D. +1° 212 $\alpha = 1^h 2^m$ $\delta = +1^\circ 28'$ 1903 Oct. 27 Ei.Y. 50.26 13.5 W. 29 Ei.Y. 50.24 12.4 W. 1904 Oct. 27 Ei.M. 50.28 12.9 E. 1906 Sept. 24 Ei.Y. 50.29 11.8 W. Mean..... 50.268 12.65 Mag. corr.... +0.015 B. D. +9° 132 $\alpha = 1^h 3^m$ $\delta = +9^\circ 22'$ 1903 Oct. 19 Ei.Y. 8.12 27.2 W. Nov. 3 Ei.Y. 8.12 27.3 W. 1904 Nov. 28 Ei.Y. 8.12 27.4 E. 1906 Oct. 12 Ei.P. 8.14 27.5 W. Mean..... 8.125 27.35 Mag. corr.... +0.013 e Piscium $\alpha = 1^h 3^m$ $\delta = +5^\circ 7'$ 1903 Oct. 12 Ei.Y. 12.97 14.1 W. 13 Ei.Y. 12.97 14.1 1904 Jan. 15 M. 12.95 14.6 W. Sept. 11 M. 12.97 14.0 E. Oct. 14 Ei.M. 12.97 13.8 29 Ei.M. 12.97 14.6 Nov. 11 Br. 13.01 14.0 18 Br. 12.99 14.2 E. 1906 Sept. 21 P. 12.97 14.7 W. Oct. 25 Ei.P. 13.04 14.7 W. 1907 Aug. 13 Hl. 12.96 15.0 E. Dec. 21 P. 12.99 15.2 E. 1908 Aug. 12 Fk. 12.94 13.8 W. 30 M. 12.94 13.2 Sept. 12 P. 12.92 13.8 W. Mean..... 12.971 14.25 Mag. corr.... -0.005	η Ceti $\alpha = 1^h 3^m 33^s.686$ $\delta = -10^\circ 42' 45''.17$ 1904 Aug. 11 Br. +0.02 +0.6 W. 12 T. +0.03 +0.7 14 Br. +0.05 +1.3 1905 Nov. 17 Br. +0.08 -0.2 21 Br. +0.12 -0.3 W. 1907 Aug. 11 Hl. +0.01 +0.4 E. 18 Hl. +0.10 +1.1 20 Hl. +0.02 0.0 Nov. 14 M. +0.08 +0.5 29 Hl. -0.01 +0.8 1909 July 8 P. [+0.10] -0.4 Sept. 1 L. +0.05 +1.8 Dec. 21 P. +0.03 -0.7 22 L. +0.13 +0.1 24 P. +0.14 -0.8 28 P. +0.05 +0.2 29 L. +0.07 +0.7 30 M. +0.12 +0.2 31 P. +0.07 0.0 1911 Jan. 5 M. +0.08 +0.7 7 L. +0.07 +0.1 18 L. +0.09 +0.6 E. Mean..... +0.067 +0.37 Mag. corr.... -0.002 44 H. Cephei $\alpha = 1^h 3^m$ $\delta = +79^\circ 8'$ 1904 Sept. 8 M. 37.60 29.4 E. 1906 Jan. 6 Hl. 37.46 29.8 W. 1907 Sept. 16 Hl. 37.53 30.6 E. Dec. 19 M. 37.89 29.9 20 Hl. 37.88 30.6 23 M. 37.73 29.7 E. 1908 Aug. 31 P. 37.68 28.8 W. Sept. 14 M. 37.61 29.4 Dec. 3 P. 37.48 29.8 15 P. 37.69 30.3 31 M. 37.89 29.4 W. Mean..... 37.676 29.79 Mag. corr.... -0.003 44 H. Cephei s. p. $\alpha = 1^h 3^m$ $\delta = +79^\circ 8'$ 1904 Dec. 30 Br. 37.12 29.7 E. 1905 Jan. 22 Y. 37.20 30.4 Apr. 27 Y. 37.59 29.0 28 Br. 37.60 30.0 May 1 Y. 37.31 30.3 2 Br. 37.58 30.0 12 Br. 37.37 29.0 E. 1908 May 11 M. 37.60 29.4 W. 20 Fk. 37.56 30.7 23 M. 37.33 29.5 June 1 Fk. 37.88 1909 Jan. 1 L. 37.81 29.8 W. Mean..... 37.496 29.80 Mag. corr.... -0.006	B. D. +37° 223 $\alpha = 1^h 4^m$ $\delta = +37^\circ 35'$ 1908 Dec. 9 L. 7.82 29.8 W. 19 L. 7.80 29.9 W. Mean..... 7.810 29.85 Mag. corr.... +0.001 β Andromedæ $\alpha = 1^h 4^m 7^s.932$ $\delta = +35^\circ 5' 24''.71$ 1903 Dec. 1 Br. +0.09 +0.2 W. 11 R. -0.02 +0.4 23 R. +0.05 +0.5 W. 1907 Aug. 7 P. +0.02 +0.4 E. 24 P. +0.05 +0.9 Nov. 25 M. +0.05 +0.6 Dec. 6 Hl. +0.04 +0.3 12 Hl. +0.06 +0.9 E. 1908 Aug. 13 P. 0.00 +1.3 W. 20 Fk. +0.03 +0.1 W. Mean..... +0.037 +0.56 Mag. corr.... +0.002 B. D. +14° 175 $\alpha = 1^h 4^m$ $\delta = +15^\circ 8'$ 1903 Sept. 3 Ei.Y. 53.24 30.4 W. 19 Ei.Y. 53.28 30.8 W. 1904 Oct. 24 Ei.Y. 53.27 30.8 E. 1906 Sept. 20 Ei.Y. 53.25 31.0 W. Mean..... 53.260 30.75 Mag. corr.... +0.019 B. D. +5° 150 $\alpha = 1^h 5^m$ $\delta = +6^\circ 13'$ 1903 Sept. 12 Ei.Y. 22.66 7.3 W. 14 Ei.Y. 22.70 7.5 W. 1904 Oct. 10 Ei.Y. 22.66 6.9 E. 1906 Sept. 25 Ei.Y. 22.71 8.3 W. Mean..... 22.682 7.50 Mag. corr.... -0.010 B. D. +1° 221 $\alpha = 1^h 5^m$ $\delta = +1^\circ 54'$ 1903 Sept. 10 Ei.Y. 24.87 49.0 W. 11 Ei.Y. 24.82 48.9 W. 1904 Oct. 1 Ei.Y. 24.74 49.4 E. 1906 Oct. 8 Ei.P. 24.76 48.7 W. Mean..... 24.798 49.00 Mag. corr.... +0.021
--	--	--	---

g Piscium			1905			B. D. +54° 241			1904		
$\alpha = 1^h 5^m$	$\delta = +30^\circ 53'$		Dec. 27 Br.	s	"	$\alpha = 1^h 6^m$	$\delta = +55^\circ 12'$		Oct. 21 Br.	s	"
1903			29 Br.	9.12	31.7 W.				22 Ei.M.	-0.01	+0.3
Dec. 28 M.	35.83	34.2 W.		9.09	31.6				23 Br.	+0.02	+0.6
1905			1906			1907			28 Br.	-0.03	+0.2
Aug. 21 Br.	35.78	34.3	Jan. 5 Br.	9.06	31.8 W.	Sept. 21 Hl.	53.79	39.8 E.	29 Ei.M.	+0.01	+0.4
28 Br.	35.76	34.6	1907			Dec. 23 M.	53.90	40.2 E.	Nov. 11 Br.	+0.02	+0.8
Sept. 22 Bs.	35.77	34.2	Dec. 21 P.	9.13	32.3 E.	Mean.....	53.845	40.00	17 Y.	+0.02	+0.4
Nov. 8 Bs.	35.77	33.8 W.	1908			Mag. corr.....	-0.005		18 Br.	+0.01	+0.8
1907			Jan. 6 M.	9.15	31.8	B. D. +11° 158			19 Y.	-0.03	+0.2
Dec. 18 P.	35.77	35.3 E.	9 M.	9.14	32.2 E.	$\alpha = 1^h 7^m$			21 M.	0.00	+0.2
1908			Aug. 15 P.	9.03	31.4 W.	$\delta = +11^\circ 45'$			Dec. 1 Br.	0.00	+0.3
Jan. 2 M.	35.81	34.5	30 M.	9.09	31.8				8 Br.	0.00	+0.2
3 P.	35.79	35.1 E.	Dec. 29 P.	9.06	32.1 W.				13 Br.	-0.02	+0.6
Sept. 3 P.	35.76	34.7 W.	Mean.....	9.096	31.77	1903			14 M.	-0.02	+0.1
7 P.	35.85	34.0 W.	Mag. corr.....	+0.003		Sept. 12 Ei.Y.	3.77	7.3 W.	28 M.	+0.04	+1.2
Mean.....	35.789	34.47				14 Ei.Y.	3.93	7.0 W.	30 M.	-0.06	+0.4
Mag. corr.....	+0.001					1904			1905		
B. D. +16° 123			B. D. +9° 138			Oct. 18 Ei.Y.	3.90	6.7 E.	Jan. 4 M.	+0.04	+1.2 E.
$\alpha = 1^h 5^m$			$\alpha = 1^h 6^m$			Oct. 6 Ei.P.	3.87	7.4 W.	Aug. 21 Br.	+0.02	0.0 W.
$\delta = +16^\circ 14'$			$\delta = +9^\circ 45'$			Mean.....	3.868	7.10	28 Br.	-0.06	+0.7
1903			1903			Mag. corr.....	+0.010		Sept. 22 Bs.	-0.03	-0.1
Sept. 15 Ei.Y.	45.25	44.1 W.	Oct. 27 Ei.Y.	14.52	37.4 W.	B. D. +1° 223			Nov. 1 Bs.	-0.05	+0.2
18 Ei.Y.	45.21	44.3	29 Ei.Y.	14.55	37.1 W.	$\alpha = 1^h 7^m$			10 Bs.	-0.03	+0.5
22 Ei.Y.	45.25	44.1 W.	1904			$\delta = +1^\circ 56'$			17 Br.	-0.04	+0.1
1904			Nov. 28 Ei.Y.	14.54	37.4 E.	1903			21 Br.	-0.01	-0.4
Nov. 30 Ei.Y.	45.28	44.2 E.	1906			Sept. 10 Ei.Y.	22.94	35.8 W.	Dec. 13 Bs.	0.00	-0.1
1906			Oct. 12 Ei.P.	14.54	37.2 W.	11 Ei.Y.	22.91	35.6 W.	26 Hl.	-0.04	-0.2
Oct. 15 Ei.P.	45.26	43.9 W.	Mean.....	14.538	37.28	1904			1906		
Mean.....	45.250	44.12	Mag. corr.....	+0.016		Nov. 30 Ei.Y.	22.91	36.3 E.	Aug. 22 Hl.	+0.05	...
Mag. corr.....	-0.003					1906			Oct. 8 Ei.P.	-0.02	+0.2
B. D. +13° 175			B. D. +3° 166			Oct. 15 Ei.P.	22.89	36.0 W.	12 Ei.P.	-0.03	+0.4 W.
$\alpha = 1^h 5^m$			$\alpha = 1^h 6^m$			Mean.....	22.912	35.92	1907		
$\delta = +14^\circ 9'$			$\delta = +3^\circ 53'$			Mag. corr.....	+0.014		Aug. 7 P.	+0.01	+0.3 E.
1903			1903			B. D. +15° 175			11 Hl.	+0.02	+0.4

B. D. +15° 177			1904			B. D. +15° 185			v Piscium		
$\alpha = 1^h 8^m$			s			$\alpha = 1^h 12^m$			$\alpha = 1^h 13^m 58^s.110$		
$\delta = +15^\circ 36'$			Oct. 18 Ei.Y. 27.61 0.8 E.			$\delta = +15^\circ 49'$			$\delta = +26^\circ 44' 18''.49$		
1903			Oct. 6 Ei.P. 27.60 1.5 W.			1903			1903		
Oct. 19 Ei.Y. 48.93 15.5 W.			Mean..... 27.595 0.88			Nov. 3 Ei.Y. 9.54 37.5 W.			Sept. 3 Ei.Y. +0.06 +0.1 W.		
Nov. 9 Ei.Y. 48.83 15.1 W.			Mag. corr.... +0.015			6 Ei.Y. 9.45 38.4 W.			19 Ei.Y. +0.02 0.0		
1904			B. D. +9° 142			1904			21 Ei.Y. +0.02 -0.4		
Oct. 24 Ei.Y. 48.92 15.7 E.			$\alpha = 1^h 10^m$			Oct. 10 Ei.Y. 9.44 37.4 E.			24 Ei.Y. -0.01 +1.1		
1906			$\delta = +9^\circ 15'$			1906			25 Ei.Y. -0.07 +0.2		
Sept. 20 Ei.Y. 48.85 16.1 W.			1903			Sept. 20 Ei.Y. 9.42 38.3 W.			Oct. 12 Ei.Y. -0.01 0.0		
Mean..... 48.882 15.60			Sept. 12 Ei.Y. 32.87 18.7 W.			Mean..... 9.462 37.90			13 Ei.Y. -0.03 -0.3		
Mag. corr.... -0.008			14 Ei.Y. 32.96 18.8 W.			Mag. corr.... -0.008			Nov. 6 Ei.Y. -0.02 +0.5		
B. D. +38° 220			1904			B. D. +13° 192			9 Ei.Y. -0.01 -0.5		
$\alpha = 1^h 9^m$			Nov. 30 Ei.Y. 32.89 19.2 E.			$\alpha = 1^h 12^m$			Dec. 29 Br. +0.05 ...		
$\delta = +38^\circ 55'$			1906			$\delta = +13^\circ 42'$			1904		
1908			Oct. 15 Ei.P. 32.90 19.0 W.			1903			Aug. 11 Br. -0.03 -0.1		
Dec. 9 L. 3.04 14.0 W.			Mean..... 32.905 18.92			Oct. 19 Ei.Y. 14.91 57.6 W.			12 T. +0.06 -0.3		
19 L. 3.10 13.5 W.			Mag. corr.... +0.010			Nov. 9 Ei.Y. 14.92 57.3 W.			14 Br. +0.05 +0.6 W.		
Mean..... 3.070 13.75			B. D. +16° 129			1904			Sept. 6 M. +0.04 +1.0 E.		
Mag. corr.... +0.001			$\alpha = 1^h 10^m$			Oct. 24 Ei.Y. 14.92 58.2 E.			8 M. +0.05 +0.7		
37 Ceti			$\delta = +17^\circ 6'$			1906			22 T. +0.10 -0.3		
$\alpha = 1^h 9^m$			1903			Sept. 25 Ei.Y. 14.90 58.7 W.			Oct. 18 Ei.Y. +0.02 -0.1		
$\delta = -8^\circ 27'$			Sept. 10 Ei.Y. 51.08 23.4 W.			Mean..... 14.912 57.95			21 Br. +0.05 +0.6		
1903			11 Ei.Y. 51.03 23.6 W.			Mag. corr.... +0.007			28 Br. -0.04 +0.5		
Dec. 11 R. 21.84 34.9 W.			1904			B. D. +38° 233			29 Ei.M. -0.02 +0.4		
18 M. 21.88 34.7			Oct. 27 Ei.M. 51.03 24.2 E.			$\alpha = 1^h 12^m$			Nov. 11 Br. +0.08 +0.4		
23 R. 21.89 36.0 W.			1906			$\delta = +38^\circ 15'$			17 Y. +0.01 +0.6		
1904			Sept. 24 Ei.Y. 51.08 23.8 W.			1907			18 Br. +0.02 +0.5		
Sept. 11 M. 21.86 35.2 E.			Mean..... 51.055 23.75			Dec. 19 M. 37.93 22.0 E.			19 Y. 0.00 +0.8		
1905			B. D. +37° 248			23 M. 37.93 24.0 E.			21 M. +0.10 0.0		
Aug. 13 M. 21.85 34.7 W.			$\alpha = 1^h 11^m$			Mean..... 37.930 23.00			Dec. 1 Br. 0.00 +0.1		
31 Br. 21.87 34.2 W.			$\delta = +37^\circ 55'$			Mag. corr.... -0.002			8 Br. 0.00 +0.5		
1907			1907			j' Piscium			13 Br. 0.00 0.0		
Aug. 14 P. 21.90 35.2 E.			Dec. 31 M. 16.30 59.3 E.			$\alpha = 1^h 12^m 38^s.398$			14 M. +0.05 +0.3		
18 Hl. 21.90 33.3			1908			$\delta = +3^\circ 5' 16''.29$			28 M. +0.08 +1.0		
20 Hl. 21.88 34.1			Jan. 2 M. 16.25 59.3			1903			30 M. +0.01 +0.5		
Nov. 14 M. 21.91 34.0 E.			6 M. 16.33 59.2			Oct. 20 Ei.Y. +0.03 +0.8 W.			1905		
Mean..... 21.878 34.63			9 M. 16.27 60.0 E.			22 Ei.Y. +0.05 +0.1			Jan. 4 M. +0.09 +1.6 E.		
Mag. corr.... 0.000			Mean..... 16.288 59.45			Nov. 30 L. +0.02 +0.3			Aug. 21 Br. +0.06 -0.3 W.		
B. D. +6° 181			Mag. corr.... +0.001			Dec. 7 R. +0.02 +0.5			28 Br. 0.00 +0.4		
$\alpha = 1^h 9^m$			B. D. +1° 238			16 R. 0.00 +1.0 W.			Sept. 22 Bs. +0.04 -0.2		
$\delta = +6^\circ 27'$			$\alpha = 1^h 11^m$			1904			Oct. 4 Hl. +0.06 +0.3		
1903			$\delta = +2^\circ 12'$			Oct. 18 Ei.Y. +0.05 -0.1 E.			Nov. 1 Bs. +0.03 +0.4		
Nov. 3 Ei.Y. 30.27 58.8 W.			1903			1905			10 Bs. -0.06 +0.5		
6 Ei.Y. 30.30 58.9 W.			Sept. 15 Ei.Y. 26.37 27.8 W.			Oct. 28 Bs. +0.07 -0.1 W.			17 Br. +0.04 +0.5		
1904			18 Ei.Y. 26.46 27.4			Nov. 22 Bs. +0.08 +0.8			21 Br. +0.04 +0.1		
Oct. 10 Ei.Y. 30.20 58.6 E.			22 Ei.Y. 26.44 27.2 W.			Dec. 11 Hl. +0.02 +0.6			Dec. 7 Hl. +0.02 +0.9		
1906			1904			1906			13 Bs. -0.01 -0.1		
Sept. 25 Ei.Y. 30.23 59.6 W.			Oct. 14 Ei.M. 27.0 E.			Oct. 6 Ei.P. +0.02 +0.4 W.			14 Hl. +0.05 +0.7		
Mean..... 30.250 58.98			29 Ei.M. 26.43 27.8 E.			1907			18 Bs. -0.03 +0.7		
Mag. corr.... +0.021			1906			Aug. 14 P. +0.01 +1.1 E.			21 Hl. +0.04 -0.2		
B. D. +37° 242			Oct. 12 Ei.P. 26.43 27.6 W.			Oct. 22 Hl. -0.02 +0.1			26 Hl. 0.00 +0.4		
$\alpha = 1^h 9^m$			Mean..... 26.426 27.47			Nov. 25 M. -0.01 +1.1			27 Br. +0.05 +0.4		
$\delta = +37^\circ 57'$			Mag. corr.... +0.001			Dec. 2 M. +0.03 +0.5			30 Hl. -0.02 +0.7		
1908			B. D. +4° 216			1909			1906		
Jan. 3 P. 45.37 27.3 E.			$\alpha = 1^h 11^m$			Aug. 5 P. -0.02 +1.1			Jan. 5 Br. +0.03 +0.5		
14 P. 45.46 27.4 E.			$\delta = +4^\circ 31'$			Sept. 2 M. -0.03 +1.7			Aug. 22 Hl. +0.06 ...		
Mean..... 45.415 27.35			1903			17 M. +0.02 +0.9			Sept. 5 Hl. +0.07 +0.8		
Mag. corr.... 0.000			Oct. 27 Ei.Y. 33.55 41.5 W.			26 P. +0.03 +1.8			21 P. +0.08 +0.1		
B. D. +0° 210			29 Ei.Y. 33.58 40.5 W.			29 L. -0.02 +1.1			Oct. 25 Ei.P. +0.04 +0.4 W.		
$\alpha = 1^h 10^m$			1904			30 P. +0.02 +1.6			1907		
$\delta = +0^\circ 23'$			Nov. 28 Ei.Y. 33.51 41.0 E.			Oct. 1 M. +0.04 +1.1			Aug. 11 Hl. -0.04 +0.3 E.		
1903			1906			Dec. 21 P. +0.10 +0.8			13 Hl. +0.03 +0.6		
Oct. 20 Ei.Y. 27.61 0.9 W.			Oct. 25 Ei.P. 33.58 41.0 W.			1910			18 Hl. +0.05 +0.6		
22 Ei.Y. 27.56 0.3 W.			Mean..... 33.555 41.00			Aug. 23 L. +0.03 +0.3 E.			25 Hl. -0.03 +0.6		
			Mag. corr.... -0.003			Mean..... +0.020 +0.77			26 P. +0.02 +0.3		
						Mag. corr.... -0.001			21 Hl. +0.02 +0.9		
									Nov. 14 M. 0.00 +0.5		
									Dec. 11 Ei.M. +0.08 +1.3		
									1908		
									Jan. 3 P. +0.03 +0.4		
									14 P. +0.09 0.0 E.		
									Aug. 15 P. -0.04 +0.2 W.		
									20 Fk. +0.08 +0.4		
									30 M. +0.03 +0.2		
									31 P. +0.06 +0.4		
									Sept. 1 Fk. 0.00 ... W.		

1903 Sept. 10 P. +0.05 +0.3 W. 11 Fk. +0.02 +0.5 Dec. 9 L. +0.04 +0.4 19 L. 0.00 ... W.	B. D. +10° 168 $\alpha = 1^h 16^m$ $\delta = +11^\circ 0'$	B. D. +0° 223 $\alpha = 1^h 17^m$ $\delta = +1^\circ 12'$	B. D. +8° 218 $\alpha = 1^h 17^m$ $\delta = +8^\circ 39'$
Mean..... +0.025 +0.37 Mag. corr.... +0.003	1903 Sept. 15 Ei.Y. 2.59 45.5 W. 18 Ei.Y. 2.56 45.2 22 Ei.Y. 2.55 45.1 W.	1903 Oct. 27 Ei.Y. 28.01 16.4 W. 29 Ei.Y. 28.03 15.9 W.	1903 Sept. 19 Ei.Y. 51.98 58.2 W. 21 Ei.Y. 51.94 57.0 W.
B. D. +7° 197 $\alpha = 1^h 14^m$ $\delta = +7^\circ 52'$	1904 Oct. 27 Ei.M. 2.61 44.9 E.	1904 Nov. 28 Ei.Y. 27.99 16.0 E.	1904 Oct. 24 Ei.Y. 52.04 57.9 E.
1906 Oct. 25 Ei.P. 2.61 45.6 W.	1906 Sept. 24 Ei.Y. 28.05 15.7 W.	1906 Sept. 24 Ei.Y. 28.05 15.7 W.	1906 Sept. 25 Ei.Y. 52.03 58.1 W.
Mean..... 2.584 45.26 Mag. corr.... +0.013	Mean..... 28.020 16.00 Mag. corr.... +0.017	Mean..... 28.020 16.00 Mag. corr.... +0.017	Mean..... 51.998 57.80 Mag. corr.... 0.000
ξ Andromedæ $\alpha = 1^h 16^m$ $\delta = +45^\circ 0'$	B. D. +9° 158 $\alpha = 1^h 17^m$ $\delta = +9^\circ 50'$	B. D. +14° 213 $\alpha = 1^h 18^m$ $\delta = +14^\circ 47'$	B. D. +14° 213 $\alpha = 1^h 18^m$ $\delta = +14^\circ 47'$
1905 Aug. 13 M. 27.02 18.0 W. Oct. 28 Bs. 27.07 18.4 Nov. 22 Bs. 27.06 18.4 29 Bs. 26.98 18.2 W.	1903 Oct. 20 Ei.Y. 28.63 56.2 W. 22 Ei.Y. 28.65 55.0 W.	1903 Oct. 10 Ei.Y. 41.15 0.9 E.	1903 Nov. 3 Ei.Y. 41.25 1.2 W. 6 Ei.Y. 41.22 1.0 W.
1907 Aug. 29 Hl. 27.04 17.8 E. Sept. 10 Hl. 27.03 17.6 Dec. 19 M. 27.07 17.5 23 M. 27.16 17.8 31 M. 27.05 17.7 E.	1904 Nov. 30 Ei.Y. 28.64 56.5 E.	1906 Oct. 6 Ei.P. 41.26 0.8 W.	1904 Oct. 10 Ei.Y. 41.15 0.9 E.
1908 Aug. 13 P. 27.01 17.6 W.	1906 Oct. 15 Ei.P. 28.60 55.9 W.	Mean..... 41.220 0.98 Mag. corr.... -0.010	1906 Oct. 6 Ei.P. 41.26 0.8 W.
Mean..... 27.049 17.90 Mag. corr.... +0.001	Mean..... 28.630 55.90 Mag. corr.... +0.006	Mean..... 41.220 0.98 Mag. corr.... -0.010	Mean..... 41.220 0.98 Mag. corr.... -0.010
B. D. +11° 172 $\alpha = 1^h 16^m$ $\delta = +12^\circ 4'$	B. D. +3° 190 $\alpha = 1^h 17^m$ $\delta = +4^\circ 12'$	109 G. Sculptoris $\alpha = 1^h 18^m$ $\delta = -31^\circ 27'$	109 G. Sculptoris $\alpha = 1^h 18^m$ $\delta = -31^\circ 27'$
1903 Sept. 19 Ei.Y. 40.82 49.3 W. 21 Ei.Y. 40.77 49.2 W.	1903 Sept. 12 Ei.Y. 32.68 56.9 W. 14 Ei.Y. 32.82 56.7 W.	1905 Dec. 10 Hl. 51.86 59.6 W. 13 Bs. 51.72 59.7 21 Hl. 51.91 61.6	1905 Dec. 10 Hl. 51.86 59.6 W. 13 Bs. 51.72 59.7 21 Hl. 51.91 61.6
1904 Oct. 24 Ei.Y. 40.82 49.9 E.	1904 Oct. 14 Ei.M. 32.72 56.4 E.	1906 Jan. 6 Hl. 51.86 57.2 W.	1906 Jan. 6 Hl. 51.86 57.2 W.
1906 Sept. 20 Ei.Y. 40.83 50.5 W.	1906 Oct. 12 Ei.P. 32.75 57.0 W.	1907 Nov. 14 M. 51.82 59.5 E. 2 M. 51.85 59.3 6 Hl. 51.81 60.9 11 M. 51.87 59.6 12 Hl. 51.72 59.0 18 P. 51.86 59.5 E.	1907 Nov. 14 M. 51.82 59.5 E. 2 M. 51.85 59.3 6 Hl. 51.81 60.9 11 M. 51.87 59.6 12 Hl. 51.72 59.0 18 P. 51.86 59.5 E.
Mean..... 40.810 49.72 Mag. corr.... +0.012	Mean..... 32.742 56.75 Mag. corr.... +0.012	1908 Sept. 12 P. 51.84 60.0 W.	1908 Sept. 12 P. 51.84 60.0 W.
B. D. +2° 196 $\alpha = 1^h 17^m$ $\delta = +2^\circ 59'$	B. D. +10° 171 $\alpha = 1^h 17^m$ $\delta = +10^\circ 50'$	Mean..... 51.829 59.63 Mag. corr.... +0.002	Mean..... 51.829 59.63 Mag. corr.... +0.002
1903 Nov. 3 Ei.Y. 8.56 38.0 W. 6 Ei.Y. 8.55 38.4 W.	1903 Sept. 10 Ei.Y. 37.06 41.7 W. 11 Ei.Y. 37.00 41.5 W.	ψ Cassiopeia $\alpha = 1^h 18^m$ $\delta = +67^\circ 36'$	ψ Cassiopeia $\alpha = 1^h 18^m$ $\delta = +67^\circ 36'$
1904 Oct. 10 Ei.Y. 8.52 37.9 E.	1904 Oct. 29 Ei.M. 36.99 41.6 E.	1904 Sept. 6 M. 51.80 29.2 E. 8 M. 51.86 29.5 Oct. 21 Br. 51.97 30.0 Nov. 21 M. 51.84 30.1 E.	1904 Sept. 6 M. 51.80 29.2 E. 8 M. 51.86 29.5 Oct. 21 Br. 51.97 30.0 Nov. 21 M. 51.84 30.1 E.
1906 Oct. 8 Ei.P. 8.51 37.2 W.	1906 Oct. 25 Ei.P. 37.00 41.9 W.	1905 Dec. 27 Br. 51.90 30.0 W.	1905 Dec. 27 Br. 51.90 30.0 W.
Mean..... 8.535 37.88 Mag. corr.... -0.008	Mean..... 37.012 41.68 Mag. corr.... +0.013	1907 Aug. 20 Hl. 51.98 29.9 E.	1907 Aug. 20 Hl. 51.98 29.9 E.
B. D. +4° 232 $\alpha = 1^h 17^m$ $\delta = +5^\circ 12'$	B. D. +6° 211 $\alpha = 1^h 17^m$ $\delta = +6^\circ 53'$	1908 Aug. 15 P. 51.96 29.1 W. 20 Fk. 51.92 29.4 30 M. 51.97 29.2 31 P. 51.95 29.1 Dec. 29 P. 51.88 29.7 W.	1908 Aug. 15 P. 51.96 29.1 W. 20 Fk. 51.92 29.4 30 M. 51.97 29.2 31 P. 51.95 29.1 Dec. 29 P. 51.88 29.7 W.
1903 Oct. 19 Ei.Y. 14.85 49.0 W. Nov. 9 Ei.Y. 14.82 48.6 W.	1903 Sept. 15 Ei.Y. 43.02 25.2 W. 18 Ei.Y. 43.02 25.3 22 Ei.Y. 43.09 24.9 W.	Mean..... 51.912 29.56 Mag. corr.... +0.001	Mean..... 51.912 29.56 Mag. corr.... +0.001
1904 Oct. 18 Ei.Y. 14.84 49.2 E.	1904 Oct. 27 Ei.M. 43.09 25.4 E.	ψ Cassiopeia s. p. $\alpha = 1^h 18^m$ $\delta = +67^\circ 36'$	ψ Cassiopeia s. p. $\alpha = 1^h 18^m$ $\delta = +67^\circ 36'$
1906 Oct. 6 Ei.P. 14.85 49.2 W.	1906 Sept. 20 Ei.Y. 43.07 25.6 W.	1907 May 14 Hl. 51.99 29.2 E. 17 Hl. 52.09 30.1 20 M. 51.84 21 Hl. 52.06 29.3 E.	1907 May 14 Hl. 51.99 29.2 E. 17 Hl. 52.09 30.1 20 M. 51.84 21 Hl. 52.06 29.3 E.
Mean..... 14.840 49.00 Mag. corr.... -0.014	Mean..... 43.058 25.28 Mag. corr.... +0.008	Mean..... 51.912 29.56 Mag. corr.... +0.001	Mean..... 51.912 29.56 Mag. corr.... +0.001

1908			1910			B. D. +38° 263			α Ursæ Minoris		
Jan. 9 P.	51.99	28.2 E.	Aug. 21 L.	+0.02	+0.1 E.	$\alpha = 1^h 21^m$			$\alpha = 1^h 22^m 34^s.335$		
May 20 Fk.	51.99	29.7 W.	23 L.	+0.10	+0.5	$\delta = +39^\circ 8'$			$\delta = +88^\circ 46' 26''.63$		
23 M.	51.93	29.8	27 L.	+0.11	+0.5	1907	s	"	1903	"	"
25 M.	51.85	28.7	Oct. 16 P.	+0.08	+0.8	Dec. 19 M.	27.90	10.4 E.	Nov. 10 Br.	+1.60	+0.7 W.
27 Fk.	52.13	28.5	17 M.	+0.09	+0.6	23 M.	27.89	10.8 E.	27 Br.	+0.41	-0.5
June 4 M.	51.97	30.0 W.	Nov. 20 L.	+0.05	+0.4	Mean.....	27.895	10.60	30 L.	+1.04	-0.1
Mean.....	51.984	29.28	Dec. 9 P.	+0.07	+0.3	Mag. corr....	+0.002		Dec. 3 Br.	+0.14	-0.7
Mag. corr....	+0.001		11 P.	+0.08	+0.6				7 R.	+1.10	+0.1
B. D. +13° 207			1911			ω Andromedæ			15 Br.	+1.08	-0.6
$\alpha = 1^h 19^m$			Jan. 4 L.	+0.04	+1.2	$\alpha = 1^h 21^m$			23 R.	+0.36	+0.3
$\delta = +13^\circ 22'$			5 M.	+0.08	+0.8	$\delta = +44^\circ 53'$			26 R.	+0.52	-1.3
1903	s	"	6 P.	+0.06	+0.4	1903	s	"	29 Br.	+1.49	+0.1
Oct. 19 Ei.Y.	1.17	47.9 W.	7 L.	+0.06	+0.6	Dec. 1 Br.	40.34	25.0 W.	31 Br.	+0.97	-0.2
20 Ei.Y.	1.16	48.8 W.	18 L.	+0.12	+0.8 E.	5 Br.	40.31	25.4	1904		
1904	s	"	Mean.....	+0.068	+0.48	11 R.	40.29	25.6	Jan. 14 Br.	+1.15	-0.9
Oct. 18 Ei.Y.	1.18	48.3 E.	Mag. corr....	-0.004		17 Br.	40.35	25.4	18 M.	+1.45	-0.4
1906	s	"	δ Cassiopeiæ			22 Br.	40.35	25.0	21 Br.	....	[+0.7]
Oct. 15 Ei.P.	1.20	47.9 W.	$\alpha = 1^h 19^m 16^s.442$			28 M.	40.35	25.0	25 M.	[-0.48]	[0.0]
Mean.....	1.178	48.22	$\delta = +59^\circ 42' 56''.37$			1904	s	"	Aug. 4 Br.	+1.70	+0.4
Mag. corr....	-0.013		1904	s	"	Jan. 15 M.	40.22	25.0 W.	14 Br.	-0.85	0.0 W.
θ Ceti			Aug. 11 Br.	-0.04	-0.2 W.	1907	s	"	7 T.	....	-1.0 E.
$\alpha = 1^h 19^m 1^s.435$			12 T.	0.00	0.0 W.	Aug. 18 Hl.	40.58	25.2 E.	11 M.	+1.11	-0.4
$\delta = -8^\circ 41' 59''.43$			Dec. 1 Br.	-0.10	0.0 E.	25 Hl.	40.45	25.9	Nov. 11 Br.	+1.78	-0.2
1903	s	"	8 Br.	+0.11	0.0	29 Hl.	40.46	25.1	Dec. 12 M.	-0.06	-0.1
Sept. 24 Ei.Y.	+0.02	+1.0 W.	13 Br.	-0.12	-0.5	Sept. 10 Hl.	40.45	25.0	1905		
25 Ei.Y.	+0.03	0.0	30 M.	+0.03	-0.6 E.	Jan. 6 M.	40.45	25.2 E.	Jan. 4 M.	+1.13	+0.1 E.
Oct. 15 Ei.Y.	+0.10	....	1905	s	"	Mean.....	40.383	25.23	8 Bs.	+1.41	-0.2 W.
Dec. 16 R.	+0.03	+0.6 W.	Nov. 1 Bs.	-0.03	-0.2 W.	Mag. corr....	+0.001		12 Hl.	+2.53	-0.4
1904	s	"	10 Bs.	-0.05	-0.4	B. D. +2° 211			Nov. 8 Bs.	-1.06	-0.2
Dec. 14 M.	+0.04	+0.2 E.	21 Br.	-0.06	-0.5 W.	$\alpha = 1^h 21^m$			23 Hl.	+0.55	-0.4
28 M.	+0.06	+0.2	1907	s	"	$\delta = +3^\circ 0'$			Dec. 19 Hl.	+1.96	...
1905	s	"	Dec. 21 P.	-0.03	+0.3 E.	1903	s	"	1906		
Jan. 16 Y.	+0.06	-0.5 E.	Mean.....	-0.029	-0.21	Sept. 12 Ei.Y.	43.45	59.8 W.	Jan. 5 Br.	+0.13	-0.2
Aug. 31 Br.	+0.08	+0.4 W.	Mag. corr....	+0.003		14 Ei.Y.	43.45	60.0 W.	9 Br.	-0.20	+0.7
1906	s	"	B. D. +34° 243			Oct. 27 Ei.M.	43.43	60.1 E.	16 Br.	+0.88	-0.8
Aug. 22 Hl.	+0.04	....	$\alpha = 1^h 19^m$			1906	s	"	Sept. 21 P.	-0.84	-0.1 W.
23 Br.	+0.05	....	$\delta = +35^\circ 12'$			Oct. 25 Ei.P.	43.43	59.8 W.	1907		
30 Br.	+0.05	....	1908	s	"	Mean.....	43.440	59.92	Sept. 12 Hl.	-0.20	... E.
Sept. 5 Hl.	+0.09	+0.2 W.	Dec. 9 L.	....	43.7 W.	Mag. corr....	+0.019		1908		
1907	s	"	19 L.	27.61	43.0 W.	B. D. +10° 185			Sept. 11 Fk.	+1.21	-0.2 W.
Aug. 26 P.	+0.08	-0.1 E.	Mean.....	27.61	43.35	$\alpha = 1^h 21^m$			Dec. 29 P.	+0.28	+0.1
Sept. 8 Hl.	....	+0.3	Mag. corr....	0.00		$\delta = +10^\circ 50'$			31 M.	-0.62	-0.6
16 Hl.	+0.07	+0.5	B. D. +2° 207			1903	s	"	1909		
21 Hl.	+0.04	+0.4	$\alpha = 1^h 20^m$			Sept. 10 Ei.Y.	44.56	55.2 W.	Jan. 1 P.	+4.15	-0.3
Oct. 18 Hl.	+0.03	....	$\delta = +2^\circ 27'$			11 Ei.Y.	44.51	54.7 W.	2 L.	+0.39	+0.4
22 Hl.	+0.07	-0.2	1903	s	"	Oct. 24 Ei.Y.	44.53	55.7 E.	6 L.	+0.18	-0.6
1908	s	"	Oct. 20 Ei.Y.	30.90	6.6 W.	1906	s	"	18 M.	+0.13	-0.4
Jan. 3 P.	+0.09	+0.4	22 Ei.Y.	30.87	6.0 W.	Sept. 20 Ei.Y.	44.54	55.6 W.	19 P.	+2.36	+0.4
6 M.	+0.03	....	Nov. 28 Ei.Y.	30.84	6.8 E.	Mean.....	44.535	55.30	20 L.	+0.47	+0.1
9 M.	+0.09	+0.7	1906	s	"	Mag. corr....	-0.006		21 M.	+0.31	+0.3
14 P.	+0.11	-0.5 E.	Sept. 24 Ei.Y.	30.88	6.9 W.	B. D. +4° 251			25 M.	[+0.90]	[+0.2] W.
Sept. 2 M.	+0.11	.... W.	Mean.....	30.872	6.58	$\alpha = 1^h 22^m$			14 L.	[-0.99]	[-2.5] E.
Dec. 3 P.	+0.06	-0.2	Mag. corr....	+0.012		$\delta = +4^\circ 50'$			17 P.	[+0.25]	[-0.3]
23 L.	+0.03	+0.1	B. D. +9° 167			1903	s	"	24 P.	....	-1.6
1909	s	"	$\alpha = 1^h 20^m$			Sept. 15 Ei.Y.	28.36	14.7 W.	1 L.	[+2.86]	-2.0
Jan. 6 L.	+0.07	+0.8 W.	$\delta = +9^\circ 53'$			18 Ei.Y.	28.23	14.5	6 M.	....	-1.1
Sept. 14 P.	+0.02	+0.6 E.	1903	s	"	22 Ei.Y.	28.30	14.5 W.	11 M.	[+1.65]	0.0
17 M.	+0.12	+1.1	Oct. 27 Ei.Y.	42.15	12.0 W.	1904	s	"	13 L.	+3.46	-1.8
18 P.	+0.04	+0.4	29 Ei.Y.	42.08	11.4 W.	Oct. 10 Ei.Y.	28.25	14.0 E.	15 L.	+4.37	-2.0
Oct. 25 M.	+0.09	+0.4	1904	s	"	1906	s	"	17 L.	+0.79	-0.8
27 L.	+0.11	+1.1	Oct. 14 Ei.M.	42.15	11.3 E.	Sept. 25 Ei.Y.	28.27	15.0 W.	18 M.	+2.66	-1.4
Dec. 18 M.	+0.05	+1.2	Oct. 12 Ei.P.	42.17	12.2 W.	Mean.....	28.282	14.54	20 L.	+0.52	-1.1
20 M.	+0.05	+0.8	Mean.....	42.138	11.72	Mag. corr....	+0.008		21 M.	+2.35	0.0
21 P.	+0.07	+0.3	Mag. corr....	+0.009					24 L.	+1.27	-1.4
22 L.	+0.09	+1.3							25 M.	+1.79	-0.1
29 L.	+0.12	+1.2							29 L.	+2.78	-0.8
30 M.	+0.09	+0.4 E.							30 M.	+2.74	-0.6
									1 P.	-0.64	-0.8
									7 M.	+0.49	+0.6
									8 P.	+0.89	-0.3
									9 L.	+1.06	-1.6
									10 P.	-0.39	-0.6
									14 M.	+2.10	0.0
									15 P.	+1.22	0.0
									16 L.	[+0.89]	-0.4
									18 M.	....	-1.5
									19 P.	....	[+0.1] E.

1909

July 20 M.

25 M.

27 M.

28 P.

Aug. 1 L.

2 P.

4 L.

5 P.

6 L.

7 P.

8 L.

19 L.

21 L.

22 P.

26 P.

30 M.

Sept. 1 L.

2 M.

Dec. 24 P.

28 P.

29 L.

31 P.

1910

Jan. 8 L.

10 M.

15 L.

16 P.

19 L.

20 M.

Feb. 1 M.

May 6 L.

9 P.

12 P.

18 M.

23 M.

25 M.

26 P.

27 L.

June 1 M.

3 L.

6 P.

7 L.

20 L.

22 M.

23 L.

26 M.

28 M.

29 L.

July 5 L.

7 L.

8 M.

14 L.

19 M.

20 P.

22 P.

23 P.

25 P.

26 P.

27 M.

28 P.

Aug. 4 M.

5 L.

10 L.

21 L.

22 P.

23 L.

24 P.

26 P.

27 L.

Dec. 29 M.

1911

Jan. 4 L.

5 M.

6 P.

7 L.

8 P.

9 M.

10 P.

1911

Jan. 18 L.

20 P.

25 L.

27 P.

Mean.....

Mag. corr....

α Ursæ Minoris s. p.

$\alpha =$ 1^h 22^m 34^s.354

$\delta = +88^{\circ}$ 46' 26".64

1903

Dec. 11 Br.

14 Br.

18 R.

22 R.

30 Br.

1904

Jan. 13 Br.

15 Br.

24 M.

27 Br.

Feb. 3 Br.

8 Br.

11 M.

14 M.

22 Br.

May 23 M.

June 11 M.

14 Br.

1905

Jan. 12 Br.

16 Br.

May 25 Hl.

June 2 Br.

9 Br.

1906

Jan. 18 Br.

28 Bs.

Feb. 16 Hl.

June 22 Br.

1907

May 13 M.

June 3 M.

1908

Jan. 7 P.

Apr. 22 Fk.

Dec. 28 P.

1909

Jan. 1 L.

5 L.

12 L.

17 M.

18 P.

20 M.

26 P.

Feb. 13 M.

17 M.

May 15 L.

17 M.

18 P.

28 P.

29 L.

June 2 L.

12 M.

16 L.

18 L.

19 M.

21 L.

23 L.

24 M.

25 L.

29 M.

30 L.

July 1 M.

2 P.

1909

July 3 L.

7 L.

8 M.

9 P.

10 L.

12 M.

14 L.

17 L.

24 P.

25 P.

28 M.

30 M.

Aug. 4 L.

6 L.

7 P.

19 L.

21 L.

22 P.

30 M.

Sept. 1 L.

2 M.

13 L.

Dec. 23 P.

26 M.

1910

Jan. 7 L.

9 M.

10 P.

14 L.

18 L.

19 M.

25 L.

29 P.

Feb. 1 P.

Apr. 30 L.

May 2 M.

4 L.

9 M.

15 P.

17 P.

18 L.

19 M.

21 L.

23 P.

28 L.

June 6 M.

7 P.

8 L.

11 L.

14 M.

16 M.

20 M.

21 L.

July 5 M.

14 M.

15 L.

19 L.

22 M.

Aug. 1 P.

3 M.

4 P.

6 L.

9 L.

10 P.

11 L.

12 P.

16 P.

18 P.

20 P.

30 L.

Sept. 6 P.

8 P.

Dec. 16 L.

20 L.

24 P.

26 P.

1911

Jan. 15 M.

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....

Mag. corr....

B. D. +35° 282

$\alpha =$ 1^h 23^m

$\delta = +36^{\circ}$ 6'

1908

Dec. 19 L.

23 L.

Mean.....

Mag. corr....

1911

Jan. 23 P.

24 L.

30 P.

Feb. 2 P.

10 M.

12 L.

Mean.....

Mag. corr....

B. D. +16° 154

$\alpha =$ 1^h 23^m

$\delta = +16^{\circ}$ 33'

1903

Sept. 19 Ei. Y.

21 Ei. Y.

1904

Oct. 18 Ei. Y.

1906

Oct. 6 Ei. P.

Mean.....

Mag. corr....

B. D. +7° 213

$\alpha =$ 1^h 23^m

$\delta = +7^{\circ}$ 26'

1903

Sept. 24 Ei. Y.

25 Ei. Y.

1904

Nov. 30 Ei. Y.

1906

Oct. 15 Ei. P.

Mean.....

Mag. corr....

B. D. +37° 292

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 26'

1907

Dec. 31 M.

1908

Jan. 2 M.

Mean.....

Mag. corr....

B. D. +37° 293

$\alpha =$ 1^h 23^m

$\delta = +37^{\circ}$ 24'

1907

Dec. 18 P.

21 P.

1908

Jan. 3 P.

14 P.

Mean.....</

38 Cassiopeiae			1904			1904			1906		
$\alpha = 1^h 23^m 47^s.069$			Oct. 27 Ei.M.	7.28	19.2 E.	Oct. 18 Ei.Y.	45.33	19.7 E.	Sept. 24 Ei.Y.	25.57	25.8 W.
$\delta = +69^\circ 44' 59''.80$			1906			1906			Mean.....	25.545	25.68
1904			Oct. 25 Ei.P.	7.33	19.4 W.	Oct. 6 Ei.P.	45.40	19.6 W.	Mag. corr....	+0.005	
Dec. 8 Br.	+0.21	+0.6 E.	Mean.....	7.275	19.50	Mean.....	45.370	19.72			
13 Br.	+0.13	0.0	Mag. corr....	-0.002		Mag. corr....	-0.008				
30 M.	-0.01	+0.1 E.									
1905											
Nov. 1 Bs.	-0.01	+0.2 W.	B. D. +13° 222			η Piscium			B. D. +15° 227		
10 Bs.	-0.08	-0.4	$\alpha = 1^h 24^m$			$\alpha = 1^h 26^m 7^s.863$			$\alpha = 1^h 26^m$		
21 Br.	-0.02	-0.2	$\delta = +13^\circ 41'$			$\delta = +14^\circ 49' 49''.34$			$\delta = +15^\circ 32'$		
Dec. 10 Hl.	-0.06	+0.1	1903			1903			1903		
11 Hl.	-0.02	-0.3 W.	Sept. 12 Ei.Y.	33.84	35.3 W.	Sept. 19 Ei.Y.	+0.03	+0.8 W.	Oct. 19 Ei.Y.	33.18	9.2 W.
1907			29 Ei.Y.	33.86	34.8 W.	21 Ei.Y.	+0.02	0.0	Nov. 3 Ei.Y.	33.12	9.2 W.
Oct. 22 Hl.	-0.01	0.0 E.	1904			Nov. 9 Ei.Y.	+0.07	-0.3	1904		
Nov. 25 M.	+0.03	+0.1 E.	Oct. 24 Ei.Y.	33.86	35.4 E.	Dec. 5 Br.	+0.07	+0.1	Oct. 14 Ei.M.	33.11	8.7 E.
Mean.....	+0.016	+0.02	1906			11 R.	0.00	+0.5	1906		
Mag. corr....	-0.007		Sept. 20 Ei.Y.	33.87	35.3 W.	16 R.	+0.03	+1.0	Oct. 12 Ei.P.	33.18	8.6 W.
			Mean.....	33.858	35.20	17 Br.	+0.09	+0.4	Mean.....	33.148	8.92
			Mag. corr....	-0.010		22 Br.	+0.08	+0.2	Mag. corr....	-0.001	
						28 M.	+0.04	+0.2			
38 Cassiopeiae s. p.			48 Ceti			1904			B. D. +16° 167		
$\alpha = 1^h 23^m 47^s.121$			$\alpha = 1^h 24^m$			Aug. 11 Br.	+0.03	+0.5 W.	$\alpha = 1^h 26^m$		
$\delta = +69^\circ 44' 59''.65$			$\delta = -22^\circ 8'$			Oct. 1 Ei.Y.	-0.01	+0.6 E.	$\delta = +16^\circ 26'$		
1906			1904			29 Ei.M.	0.00	+0.3	1903		
Mar. 31 Bs.	+0.17	-1.0 W.	Sept. 6 M.	48.34	47.2 E.	Nov. 30 Ei.Y.	+0.09	+0.3	Oct. 20 Ei.Y.	39.78	15.1 W.
1907			8 M.	48.39	47.2	Dec. 28 M.	+0.05	+0.7	22 Ei.Y.	39.75	14.5 W.
May 20 M.	-0.11	... E.	Oct. 21 Br.	48.43	48.1	1905			1904		
28 M.	+0.05	+0.8	Nov. 21 M.	48.40	47.2 E.	Jan. 16 Y.	+0.03	+0.2 E.	Oct. 27 Ei.M.	39.79	14.8 E.
1908			1905			1906			1906		
Mar. 3 P.	+0.01	-0.6	Oct. 4 Hl.	48.46	46.4 W.	Aug. 22 Hl.	+0.04	... W.	Oct. 25 Ei.P.	39.66	15.2 W.
4 M.	-0.14	-1.7	Dec. 13 Bs.	48.33	46.8	Sept. 9 Hl.	+0.12	+0.2	Mean.....	39.745	14.90
27 Fk.	+0.05	-0.7 E.	14 Hl.	48.35	46.5	Oct. 7 Hl.	+0.07	+0.3	Mag. corr....	+0.014	
May 20 Fk.	+0.26	+0.4 W.	21 Hl.	48.45	48.1	8 Ei.P.	+0.05	0.0			
23 M.	+0.02	-0.6	27 Br.	48.34	46.7	14 Hl.	+0.04	+0.4			
June 4 M.	+0.04	+0.8	30 Hl.	48.39	47.2	15 Ei.P.	+0.10	0.0 W.			
1909			1906			1907					
Feb. 17 M.	+0.09	+0.1 W.	Jan. 1 Hl.	48.42	46.6 W.	Nov. 29 Hl.	-0.02	... E.			
Mean.....	+0.044	-0.28	1907			Dec. 7 P.	+0.07	+0.6			
Mag. corr....	-0.010		Aug. 24 P.	48.35	47.1 E.	11 M.	+0.09	+0.8			
			Mean.....	48.388	47.09	12 Hl.	+0.11	+0.8			
			Mag. corr....	0.000		19 M.	+0.09	+0.3			
						23 M.	+0.04	...			
			μ Piscium			1908					
			$\alpha = 1^h 24^m$			Jan. 15 M.	+0.01	+0.2 E.			
			$\delta = +5^\circ 37'$			Sept. 1 Fk.	+0.03	+0.3 W.			
			1903			3 P.	+0.05	+0.9			
			Sept. 10 Ei.Y.	56.76	41.6 W.	7 P.	+0.10	-0.1			
			11 Ei.Y.	56.74	42.6 W.	Dec. 2 M.	+0.02	-0.2			
			1904			3 P.	+0.05	+0.6			
			Oct. 10 Ei.Y.	56.80	42.1 E.	26 L.	+0.03	+0.1 W.			
			1905			1909					
			Aug. 13 M.	56.76	42.4 W.	Sept. 30 P.	+0.05	+1.2 E.			
			21 Br.	56.78	42.0	Oct. 1 M.	+0.03	+1.0			
			28 Br.	56.77	42.6	27 L.	+0.06	+0.3			
			Sept. 6 Bs.	56.72	42.9	28 M.	+0.01	+0.5			
			22 Bs.	56.82	43.3	29 L.	+0.04	+0.5			
			1906			Dec. 22 L.	+0.04	+0.5			
			Sept. 25 Ei.Y.	56.81	42.9 W.	1910					
			1907			Sept. 20 L.	+0.05	+0.6			
			Aug. 7 P.	56.82	42.0 E.	Oct. 16 P.	+0.04	+0.7			
			18 Hl.	56.90	42.4	17 M.	0.00	+0.5			
			20 Hl.	56.85	42.6	Nov. 20 L.	+0.12	+0.4 E.			
			25 Hl.	56.78	42.4	Mean.....	+0.049	+0.42			
			Sept. 21 Hl.	56.87	42.6 E.	Mag. corr....	-0.004				
			Mean.....	56.799	42.46						
			Mag. corr....	0.000							
			B. D. +1° 269			B. D. +10° 197			B. D. +40° 315		
			$\alpha = 1^h 25^m$			$\alpha = 1^h 26^m$			$\alpha = 1^h 27^m$		
			$\delta = +1^\circ 42'$			$\delta = +10^\circ 22'$			$\delta = +40^\circ 23'$		
			1903			1903			1908		
			Sept. 18 Ei.Y.	45.39	19.9 W.	Sept. 24 Ei.Y.	25.57	26.4 W.	Dec. 19 L.	42.18	18.3 W.
			22 Ei.Y.	45.36	19.6	25 Ei.Y.	25.52	25.2 W.	23 L.	42.16	19.2 W.
			29 Ei.Y.	45.37	19.8 W.	1904			Mean.....	42.170	18.75
						Nov. 28 Ei.Y.	25.52	25.3 E.	Mag. corr....	+0.002	

B. D. +7° 229			1906			40 Cassiopeiae			B. D. +3° 218		
$\alpha = 1^h 28^m$			Oct. 12 Ei.P.			$\alpha = 1^h 30^m 31^s.044$			$\alpha = 1^h 31^m$		
$\delta = +7^\circ 41'$			Mean.....			$\delta = +72^\circ 31' 49''.55$			$\delta = +3^\circ 48'$		
1903			Mag. corr.....			1904			1903		
Sept. 12 Ei.Y.	3.63	45.3 W.	B. D. +13° 238			Sept. 6 M.	+0.01	+0.2 E.	Sept. 18 Ei.Y.	5.72	12.3 W.
14 Ei.Y.	3.72	45.5 W.	$\alpha = 1^h 29^m$			8 M.	+0.03	+0.1	22 Ei.Y.	5.70	11.9
1904			$\delta = +13^\circ 52'$			Nov. 20 Br.	+0.04	+0.3	29 Ei.Y.	5.60	12.1 W.
Oct. 10 Ei.Y.	3.63	44.8 E.	1903			21 M.	+0.05	-0.4 E.	1904		
1906			Oct. 19 Ei.Y.			1905			Nov. 28 Ei.Y.	5.72	12.4 E.
Sept. 25 Ei.Y.	3.61	45.8 W.	Nov. 3 Ei.Y.			Nov. 1 Bs.	-0.03	-1.1 W.	1906		
Mean.....	3.648	45.35	1904			10 Bs.	-0.35	-1.0	Sept. 24 Ei.Y.	5.74	12.0 W.
Mag. corr.....	+0.016		Nov. 30 Ei.Y.			Dec. 11 Hl.	-0.13	-0.4	Mean.....	5.696	12.14
B. D. +36° 276			1906			13 Bs.	-0.06	0.0	Mag. corr.....	+0.001	
$\alpha = 1^h 28^m$			Oct. 25 Ei.P.			26 Hl.	-0.14	-0.2 W.	B. D. +5° 218		
$\delta = +36^\circ 49'$			Mean.....			1907			$\alpha = 1^h 31^m$		
1908			Mag. corr.....			Sept. 16 Hl.	+0.09	+0.2 E.	$\delta = +6^\circ 12'$		
Jan. 3 P.	5.35	18.0 E.	B. D. +39° 358			Mean.....	-0.049	-0.23	1903		
14 P.	5.38	18.2 E.	$\alpha = 1^h 30^m$			Mag. corr.....	-0.004		Sept. 19 Ei.Y.	27.98	29.8 W.
Mean.....	5.365	18.10	$\delta = +39^\circ 22'$			40 Cassiopeiae s. p.			21 Ei.Y.	27.93	29.2 W.
Mag. corr.....	-0.002		1907			$\alpha = 1^h 30^m 31^s.041$			1904		
B. D. +3° 215			Dec. 19 M.			$\delta = +72^\circ 31' 49''.55$			Oct. 14 Ei.M.	27.94	29.6 E.
$\alpha = 1^h 28^m$			23 M.			1907			1906		
$\delta = +3^\circ 15'$			Mean.....			May 9 M.			Oct. 12 Ei.P.	27.92	29.8 W.
1903			Mag. corr.....			21 Hl.			Mean.....	27.942	29.60
Sept. 10 Ei.Y.	34.67	32.3 W.	B. D. +9° 189			June 3 M.			Mag. corr.....	+0.010	
11 Ei.Y.	34.69	31.5 W.	$\alpha = 1^h 30^m$			Feb. 8 P.			B. D. +7° 240		
1904			$\delta = +10^\circ 2'$			20 Hl.			$\alpha = 1^h 31^m$		
Oct. 18 Ei.Y.	34.66	32.2 E.	1903			May 27 Fk.			$\delta = +7^\circ 19'$		
1906			Oct. 20 Ei.Y.			28 M.			1903		
Oct. 8 Ei.P.	34.67	31.0 W.	22 Ei.Y.			June 6 Fk.			Sept. 24 Ei.Y.	29.10	16.6 W.
Mean.....	34.672	31.75	1906			7 P.			25 Ei.Y.	28.94	15.3 W.
Mag. corr.....	-0.001		Sept. 20 Ei.Y.			1909			1904		
B. D. +8° 246			Mean.....			Feb. 4 P.			Nov. 30 Ei.Y.	29.10	15.1 E.
$\alpha = 1^h 28^m$			Mag. corr.....			Mean.....			1906		
$\delta = +8^\circ 28'$			B. D. +13° 240			+0.098 -0.20			Oct. 25 Ei.P.	29.08	15.6 W.
1903			$\alpha = 1^h 30^m$			B. D. +6° 244 (south)			Mean.....	29.055	15.65
Sept. 18 Ei.Y.	40.11	50.1 W.	$\delta = +14^\circ 9'$			$\alpha = 1^h 30^m$			Mag. corr.....	+0.015	
22 Ei.Y.	40.19	49.9	1903			$\delta = +7^\circ 8'$			π Piscium		
29 Ei.Y.	40.17	50.0 W.	Oct. 27 Ei.Y.			1903			$\alpha = 1^h 31^m 47^s.728$		
1904			29 Ei.Y.			Nov. 3 Ei.Y.			$\delta = +11^\circ 37' 48''.45$		
Oct. 29 Ei.M.	40.19	49.9 E.	1906			6 Ei.Y.			1903		
1906			Sept. 25 Ei.Y.			Oct. 29 Ei.M.			Sept. 10 Ei.Y.	+0.03	+0.9 W.
Oct. 15 Ei.P.	40.20	50.0 W.	Mean.....			1906			11 Ei.Y.	+0.05	+0.8
Mean.....	40.172	49.98	Mag. corr.....			Oct. 15 Ei.P.			Oct. 19 Ei.Y.	+0.06	+0.9
Mag. corr.....	-0.009		B. D. +16° 176			Mean.....			Nov. 9 Ei.Y.	+0.01	+0.2
B. D. +17° 224			$\alpha = 1^h 30^m$			48.780 - 0.98			23 Ei.Y.	+0.01	-0.1
$\alpha = 1^h 29^m$			$\delta = +17^\circ 56'$			v Andromedæ			1 Br.	+0.08	+0.6 W.
$\delta = +17^\circ 56'$			1903			$\alpha = 1^h 30^m 55^s.418$			1904		
1903			Oct. 10 Ei.Y.			$\delta = +40^\circ 54' 16''.78$			Oct. 24 Ei.Y.	+0.01	+0.7 E.
Sept. 19 Ei.Y.	24.29	60.0 W.	1906			1904			1905		
21 Ei.Y.	24.31	59.7 W.	Sept. 25 Ei.Y.			Aug. 11 Br.			Jan. 16 Y.	+0.06	+0.2
1904			Mean.....			12 T.			18 M.	+0.04	+1.0 E.
Nov. 28 Ei.Y.	24.39	60.0 E.	Mag. corr.....			Dec. 1 Br.			Aug. 13 M.	+0.07	+1.0 W.
1906			B. D. +11° 201			8 Br.			21 Br.	+0.06	+0.4
Sept. 24 Ei.Y.	24.39	59.8 W.	$\alpha = 1^h 29^m$			30 M.			28 Br.	+0.04	+1.0
Mean.....	24.345	59.88	$\delta = +12^\circ 2'$			1907			31 Br.	+0.06	+1.0
Mag. corr.....	-0.010		1903			Sept. 21 Hl.			Sept. 6 Bs.	-0.01	+2.1
B. D. +11° 201			Sept. 12 Ei.Y.			+0.01 +0.7			Oct. 4 Hl.	+0.04	+1.8
$\alpha = 1^h 29^m$			14 Ei.Y.			Nov. 25 M.			28 Bs.	+0.09	0.0
$\delta = +12^\circ 2'$			1906			+0.02 +0.8 E.			Nov. 22 Bs.	+0.07	+1.3
1903			Oct. 18 Ei.Y.			1908			Dec. 18 Bs.	+0.05	+1.2
Sept. 24 Ei.Y.	32.82	48.9 W.	30.10			Aug. 13 P.			27 Br.	+0.06	+1.0
25 Ei.Y.	32.77	48.0 W.	19.3 E.			Sept. 3 P.			1906		
1904			Oct. 8 Ei.P.			7 P.			Aug. 22 Hl.	+0.01	...
Oct. 14 Ei.M.	32.78	47.7 E.	Mean.....			Mean.....			Sept. 4 P.	+0.06	+2.2
			Mag. corr.....			+0.028 +0.47			9 Hl.	+0.07	+0.7
						+0.006			20 Ei.Y.	+0.07	+1.4
									Oct. 7 Hl.	+0.10	+0.5
									11 Ei.P.	+0.03	+2.0
									14 Hl.	+0.07	+0.8 W.

1907			1906			B. D. +14° 250			B. D. +8° 258		
Aug. 18 Hl.	^s +0.06	" +1.4 E.	Oct. 15 Ei.P.	^s 21.51	" 6.6 W.	$\alpha = 1^h 34^m$			$\alpha = 1^h 35^m$		
20 Hl.	+0.01	+0.9				$\delta = +14^\circ 55'$			$\delta = +8^\circ 15'$		
24 P.	+0.04	+1.1	Mean.....	21.498	7.05	1903	^s	"	1903	^s	"
29 Hl.	+0.03	+0.8	Mag. corr....	+0.013		Sept. 24 Ei.Y.	21.60	2.7 W.	Oct. 19 Ei.Y.	18.96	14.0 W.
30 M.	0.00	+0.8				25 Ei.Y.	21.61	1.5 W.	27 Ei.Y.	18.91	14.5 W.
Sept. 8 Hl.	.....	+1.2	B. D. +37° 335			1904	^s	"	1904	^s	"
10 Hl.	+0.03	+0.6	$\alpha = 1^h 32^m$			Oct. 24 Ei.Y.	21.61	1.6 E.	Oct. 10 Ei.Y.	18.83	13.6 E.
Dec. 6 Hl.	-0.02	...	$\delta = +38^\circ 8'$			1906	^s	"	1906	^s	"
18 P.	-0.02	+0.4	1908	^s	"	Oct. 25 Ei.P.	21.60	1.2 W.	Sept. 25 Ei.Y.	18.90	14.5 W.
21 P.	-0.01	+1.3	Jan. 3 P.	56.41	33.9 E.	Mean.....	21.605	1.75	Mean.....	18.900	14.15
23 M.	+0.07	...	14 P.	56.42	34.3 E.	Mag. corr....	-0.010		Mag. corr....	+0.015	
31 M.	+0.08	+1.3	Dec. 19 L.	56.40	34.0 W.	τ Andromedæ			B. D. +6° 259		
1908			23 L.	56.38	34.4 W.	$\alpha = 1^h 34^m$			$\alpha = 1^h 35^m$		
Jan. 2 M.	+0.05	+0.8	Mean.....	56.402	34.15	$\delta = +40^\circ 4'$			$\delta = +7^\circ 5'$		
6 M.	+0.06	...	Mag. corr....	+0.001		1903	^s	"	1903	^s	"
9 M.	+0.09	...	B. D. +1° 293			Dec. 5 Br.	40.44	14.1 W.	Oct. 20 Ei.Y.	55.17	4.6 W.
15 M.	+0.02	... E.	$\alpha = 1^h 33^m$			11 R.	40.47	14.9	22 Ei.Y.	55.20	4.0 W.
Aug. 15 P.	+0.05	+1.4 W.	$\delta = +2^\circ 4'$			14 M.	40.55	15.2	1904	^s	"
1909			1903	^s	"	16 R.	40.47	14.6	Oct. 29 Ei.M.	55.16	4.8 E.
Aug. 6 L.	-0.01	+0.5 E.	Sept. 12 Ei.Y.	10.20	37.9 W.	17 Br.	40.47	14.0	1906	^s	"
Oct. 29 L.	+0.05	+1.1	14 Ei.Y.	10.31	38.4 W.	18 M.	40.50	14.8	Oct. 6 Ei.P.	55.18	5.2 W.
30 P.	+0.07	+0.9	1904	^s	"	22 Br.	40.47	13.9	Mean.....	55.178	4.65
Dec. 20 M.	+0.03	+1.3	Oct. 29 Ei.M.	10.19	38.5 E.	28 M.	40.51	13.7	Mag. corr....	-0.008	
1910			Oct. 6 Ei.P.	10.27	38.5 W.	1904	^s	"	ν Piscium		
Sept. 20 L.	+0.03	+1.4	Mean.....	10.242	38.32	Jan. 15 M.	40.35	15.7 W.	$\alpha = 1^h 36^m 13^s.582$		
Oct. 17 M.	-0.01	+1.4	Mag. corr....	+0.010		Dec. 6 Hl.	40.48	14.6 E.	$\delta = +4^\circ 58' 54''.00$		
Nov. 20 L.	+0.11	+1.4	B. D. +15° 244			19 M.	40.50	14.7	1903	^s	"
Dec. 11 P.	+0.05	+1.5 E.	$\alpha = 1^h 33^m$			23 M.	40.55	14.5	Sept. 10 Ei.Y.	+0.04	+0.3 W.
Mean.....	+0.044	+1.00	$\delta = +16^\circ 7'$			1908	^s	"	11 Ei.Y.	+0.02	+0.2
Mag. corr....	-0.003		1903	^s	"	Jan. 9 M.	40.46	14.9	Oct. 19 Ei.Y.	+0.05	+0.3
B. D. +4° 282			Nov. 3 Ei.Y.	51.87	5.0 W.	12 P.	40.53	15.3 E.	27 Ei.Y.	+0.04	+1.1
$\alpha = 1^h 31^m$			6 Ei.Y.	51.79	5.6 W.	Mean.....	40.482	14.64	29 Ei.Y.	+0.04	+0.6
$\delta = +5^\circ 7'$			1904	^s	"	Mag. corr....	+0.002		Nov. 23 Ei.Y.	-0.01	-0.4
1903	^s	"	Nov. 28 Ei.Y.	51.80	5.0 E.	ω Cassiopeiæ			30 L.	-0.03	+0.4
Oct. 20 Ei.Y.	49.02	21.7 W.	1906	^s	"	$\alpha = 1^h 34^m 55^s.781$			Dec. 26 R.	-0.01	+0.2 W.
22 Ei.Y.	49.09	20.7 W.	Sept. 24 Ei.Y.	51.81	4.8 W.	$\delta = +67^\circ 32' 14''.24$			1904	^s	"
1904	^s	"	Mean.....	51.818	5.10	1904	^s	"	Sept. 11 M.	0.00	+0.1 E.
Oct. 10 Ei.Y.	49.01	22.0 E.	Mag. corr....	+0.013		Dec. 1 Br.	0.00	-0.1 E.	Oct. 18 Ei.Y.	0.00	+0.4
1906	^s	"	B. D. +13° 255			8 Br.	+0.02	+0.3	Nov. 21 M.	+0.03	+0.5
Sept. 25 Ei.Y.	49.06	22.6 W.	$\alpha = 1^h 33^m$			30 M.	-0.01	-0.6 E.	30 Ei.Y.	+0.04	+1.2
Mean.....	49.045	21.75	$\delta = +13^\circ 46'$			1905	^s	"	Dec. 12 M.	-0.01	+0.1
Mag. corr....	-0.005		1903	^s	"	Aug. 13 M.	+0.06	+0.3 W.	1905	^s	"
ν Persei			Sept. 18 Ei.Y.	53.88	42.2 W.	31 Br.	+0.04	+0.4	Jan. 16 Y.	+0.03	+0.5
$\alpha = 1^h 31^m 51^s.114$			22 Ei.Y.	53.88	41.8	Oct. 28 Bs.	-0.14	0.0	18 M.	-0.01	+0.4 E.
$\delta = +48^\circ 7' 16''.83$			29 Ei.Y.	53.85	41.9 W.	Nov. 22 Bs.	-0.03	-0.4	Nov. 21 Br.	+0.10	+0.2 W.
1907	^s	"	1904	^s	"	Dec. 27 Br.	-0.08	+0.3 W.	Dec. 10 Hl.	-0.02	+0.2
Aug. 12 P.	+0.05	-0.2 E.	Oct. 14 Ei.M.	53.88	41.4 E.	1907	^s	"	13 Bs.	+0.01	+0.3
14 P.	+0.01	+0.2	Oct. 8 Ei.P.	53.86	41.8 W.	Nov. 25 M.	+0.08	+0.6 E.	14 Hl.	-0.01	+0.9
Oct. 22 Hl.	-0.03	+0.8	Mean.....	53.870	41.82	29 Hl.	+0.08	+0.1 E.	21 Hl.	+0.02	+0.2
Nov. 29 Hl.	0.00	+0.3	Mag. corr....	+0.013		Mean.....	+0.002	+0.09	30 Hl.	+0.03	+0.9
Dec. 2 M.	-0.02	+0.1 E.	B. D. +15° 245			Mag. corr....	-0.004		1906	^s	"
1908	^s	"	$\alpha = 1^h 34^m$			ω Cassiopeiæ s. p.			Jan. 1 Hl.	+0.03	+0.8
Sept. 12 P.	+0.04	+0.1 W.	$\delta = +15^\circ 53'$			$\alpha = 1^h 34^m 55^s.799$			Sept. 4 P.	+0.02	...
Dec. 2 M.	-0.02	0.0	1903	^s	"	$\delta = +67^\circ 32' 14''.24$			20 Ei.Y.	-0.06	+0.7
26 L.	+0.03	+0.3	Sept. 19 Ei.Y.	17.04	55.1 W.	1907	^s	"	Oct. 11 Ei.P.	+0.01	+0.9
1909	^s	"	21 Ei.Y.	17.03	54.6 W.	May 21 Hl.	+0.26	-0.4 E.	15 Ei.P.	+0.02	+0.2 W.
Jan. 1 P.	+0.02	0.0	1904	^s	"	June 3 M.	+0.05	+1.4	1907	^s	"
2 L.	+0.03	+0.7 W.	Oct. 27 Ei.M.	16.99	55.2 E.	1908	^s	"	Aug. 12 P.	0.00	+0.3 E.
Mean.....	+0.011	+0.23	Oct. 12 Ei.P.	17.09	54.7 W.	Jan. 10 M.	+0.02	0.0	20 Hl.	+0.04	+0.7
Mag. corr....	-0.002		Mean.....	17.038	54.90	Feb. 8 P.	+0.20	+1.2	29 Hl.	-0.04	+0.8
B. D. +11° 207			Mag. corr....	+0.022		Mar. 2 Hl.	0.00	-1.6 E.	30 M.	-0.01	+0.5
$\alpha = 1^h 32^m$			B. D. +11° 34'			May 1 P.	-0.03	-0.5 W.	Sept. 10 Hl.	-0.02	-0.1
$\delta = +11^\circ 34'$			1903	^s	"	2 Fk.	0.00	+1.2	Oct. 22 Hl.	-0.02	...
1903	^s	"	Sept. 19 Ei.Y.	17.04	55.1 W.	10 P.	+0.21	-0.7	Dec. 23 M.	+0.02	... E.
Oct. 27 Ei.Y.	21.48	7.6 W.	21 Ei.Y.	17.03	54.6 W.	12 P.	+0.05	+0.4	1908	^s	"
29 Ei.Y.	21.52	6.7 W.	Mean.....	17.038	54.90	June 1 Fk.	+0.07	... W.	Aug. 13 P.	+0.02	+1.1 W.
1904	^s	"	Mag. corr....	+0.022		Mean.....	+0.083	+0.11	Dec. 2 M.	+0.02	0.0
Oct. 18 Ei.Y.	21.48	7.3 E.	B. D. +11° 34'			Mag. corr....	-0.002		1909	^s	"
			1903	^s	"	ν Cassiopeiæ s. p.			Jan. 1 P.	+0.02	+0.6
			Sept. 19 Ei.Y.	17.04	55.1 W.	$\alpha = 1^h 34^m 55^s.799$			6 L.	0.00	+0.2 W.
			21 Ei.Y.	17.03	54.6 W.	$\delta = +67^\circ 32' 14''.24$			Aug. 5 P.	[-0.01]	[-0.6] E.
			Mean.....	17.038	54.90	1907	^s	"	6 L.	+0.03	+0.5 E.
			Mag. corr....	+0.022		Aug. 12 P.	0.00	+0.3 E.			
			B. D. +11° 34'			20 Hl.	+0.04	+0.7			
			1903	^s	"	29 Hl.	-0.04	+0.8			
			Sept. 19 Ei.Y.	17.04	55.1 W.	30 M.	-0.01	+0.5			
			21 Ei.Y.	17.03	54.6 W.	Sept. 10 Hl.	-0.02	-0.1			
			Mean.....	17.038	54.90	Oct. 22 Hl.	-0.02	...			
			Mag. corr....	+0.022		Dec. 23 M.	+0.02	... E.			
			B. D. +11° 34'			1908	^s	"			
			1903	^s	"	Aug. 13 P.	+0.02	+1.1 W.			
			Sept. 19 Ei.Y.	17.04	55.1 W.	Dec. 2 M.	+0.02	0.0			
			21 Ei.Y.	17.03	54.6 W.	1909	^s	"			
			Mean.....	17.038	54.90	Jan. 1 P.	+0.02	+0.6			
			Mag. corr....	+0.022		6 L.	0.00	+0.2 W.			
			B. D. +11° 34'			Aug. 5 P.	[-0.01]	[-0.6] E.			
			1903	^s	"	6 L.	+0.03	+0.5 E.			
			Sept. 19 Ei.Y.	17.04	55.1 W.						
			21 Ei.Y.	17.03	54.6 W.						
			Mean.....	17.038	54.90						
			Mag. corr....	+0.022							

1909				1904				1906				1911			
Sept. 14 P.	s	"	E.	Oct. 27 Ei.M.	s	"	E.	Oct. 6 Ei.P.	s	"	W.	Jan. 6 P.	s	"	E.
26 P.	0.00	+1.5		1906				41.26	13.9			7 L.	+0.09	+0.5	
28 P.	+0.02	+1.6		Oct. 12 Ei.P.	18.72	26.7	W.	Mean.....	41.258	13.70		18 L.	+0.08	+0.5	
29 L.	+0.01	+1.2		Mean.....	18.718	25.86		Mag. corr....	-0.001			Mean.....	+0.077	+0.31	
30 P.	+0.01	+0.5		Mag. corr....	+0.007			B. D. +13° 270				Mag. corr....	-0.003		
Oct. 1 M.	+0.03	+0.7		φ Persei				$\alpha = 1^h 39^m$				$\delta = +13^\circ 33'$			
29 L.	-0.01	+0.9		$\alpha = 1^h 37^m$	23° 39'			1903	s	"		$\delta = +13^\circ 33'$			
30 P.	+0.06	+0.4		$\delta = +50^\circ 11'$	6'' 10			Oct. 27 Ei.Y.	3.85	18.4	W.	$\alpha = 1^h 40^m 6^s 755$			
Dec. 20 M.	+0.05	+0.9		1904	s	"		29 Ei.Y.	3.80	18.0	W.	$\delta = +8^\circ 39' 16'' 47$			
1910				Aug. 11 Br.	-0.04	+0.1	W.	1904				1903	s	"	
Oct. 17 M.	-0.03	+1.3		12 T.	0.00	+0.6	W.	Oct. 18 Ei.Y.	3.85	17.7	E.	Nov. 3 Ei.Y.	-0.05	+0.9	W.
Dec. 11 P.	+0.03	+0.1		1907				1906				6 Ei.Y.	+0.10	+0.8	W.
Jan. 8 P.	0.00	+0.1	E.	Aug. 14 P.	0.00	+0.1	E.	Oct. 15 Ei.P.	3.81	16.9	W.	1904			
Mean.....	+0.012	+0.56		18 Hl.	+0.10	+0.3		Mean.....	3.828	17.75		Sept. 6 M.	+0.05	...	E.
Mag. corr....	+0.002			24 P.	-0.04	+0.9		Mag. corr....	-0.006			8 M.	+0.05	+0.8	
B. D. +38° 326				Sept. 16 Hl.	+0.03	+0.6		τ Ceti				Oct. 21 Br.	+0.03	+0.7	
$\alpha = 1^h 36^m$				21 Hl.	+0.04	+0.1	E.	$\alpha = 1^h 39^m$	24° 383			29 Ei.M.	0.00	+1.1	
$\delta = +38^\circ 54'$				1908				$\delta = -16^\circ 27'$	43'' 70			Nov. 18 Br.	+0.02	+1.1	
1907	s	"		Aug. 15 P.	+0.02	0.0	W.	1903	s	"		20 Br.	+0.04	+0.7	
Dec. 18 P.	14.76	24.3	E.	Sept. 3 P.	+0.01	0.0		Oct. 19 Ei.Y.	+0.03	+0.3	W.	28 Ei.Y.	+0.02	+1.0	
21 P.	14.70	24.7		7 P.	+0.05	0.0	W.	Dec. 3 Br.	+0.10	+0.7		Dec. 1 Br.	+0.03	+0.2	
31 M.	14.70	24.9		Mean.....	+0.017	+0.27		5 Br.	+0.07	+0.2		8 Br.	+0.06	+1.0	
1908				Mag. corr....	+0.002			11 R.	+0.01	+0.5		30 M.	+0.01	+0.8	
Jan. 2 M.	14.74	23.9	E.	B. D. +10° 225				15 Br.	+0.08	+0.3		1905			
Mean.....	14.725	24.45		$\alpha = 1^h 37^m$				16 R.	+0.08	+0.3		Jan. 16 Y.	+0.04	+0.1	
Mag. corr....	-0.004			$\delta = +10^\circ 34'$				17 Br.	+0.09	-0.1		18 M.	-0.02	+0.8	E.
B. D. +39° 384				1903	s	"		18 M.	+0.08	+0.9		Aug. 13 M.	-0.01	+0.3	W.
$\alpha = 1^h 36^m$				Sept. 19 Ei.Y.	31.74	55.7	W.	22 Br.	+0.07	+0.2		21 Br.	-0.03	+0.5	
$\delta = +39^\circ 52'$				21 Ei.Y.	31.70	55.9	W.	1904				28 Br.	-0.01	+0.8	
1906	s	"		1904				Jan. 14 Br.	+0.05	+0.9		29 Hl.	+0.05	+1.4	
Sept. 9 Hl.	42.64	21.1	W.	Oct. 24 Ei.Y.	31.70	55.2	E.	21 Br.	....	+0.3		31 Br.	+0.01	+1.2	
Oct. 7 Hl.	42.54	20.8	W.	1906				24 Br.	[+0.07]	[+1.8] W.		Sept. 6 Bs.	-0.02	+1.5	
Mean.....	42.590	20.95		Oct. 25 Ei.P.	31.72	55.5	W.	Dec. 12 M.	+0.05	0.0	E.	15 Bs.	+0.02	+0.9	
Mag. corr....	-0.005			Mean.....	31.715	55.58		1906				22 Bs.	-0.01	+0.4	
B. D. +3° 230				Mag. corr....	-0.006			Aug. 23 Br.	+0.13	... W.		Oct. 4 Hl.	+0.04	+1.4	
$\alpha = 1^h 36^m$				B. D. +11° 221				30 Br.	+0.09	... W.		28 Bs.	+0.02	+0.1	
$\delta = +4^\circ 10'$				$\alpha = 1^h 37^m$				1907				Nov. 22 Bs.	+0.05	+0.8	
1903	s	"		$\delta = +12^\circ 3'$				Aug. 12 P.	+0.09	-0.7	E.	29 Bs.	-0.02	+1.5	
Sept. 12 Ei.Y.	44.40	2.7	W.	1903	s	"		26 P.	+0.12	-1.0		Dec. 13 Bs.	-0.01	+0.8	
29 Ei.Y.	44.42	3.3	W.	Sept. 24 Ei.Y.	42.79	49.5	W.	30 M.	+0.10	+0.4		18 Bs.	+0.01	+0.7	
1904				25 Ei.Y.	42.78	48.7	W.	Oct. 18 Hl.	+0.07	...		19 Hl.	+0.06	...	
Nov. 28 Ei.Y.	44.40	3.3	E.	1904				22 Hl.	+0.08	-0.5		26 Hl.	+0.04	+0.7	
1906				Oct. 10 Ei.Y.	42.76	48.4	E.	Nov. 25 M.	+0.10	+0.4		27 Br.	+0.02	+1.3	
Sept. 24 Ei.Y.	44.44	3.1	W.	1906				Dec. 6 Hl.	+0.08	-0.3		30 Hl.	+0.04	+1.1	
Mean.....	44.415	3.10		Sept. 25 Ei.Y.	42.77	48.7	W.	7 P.	+0.10	-0.3		1906			
Mag. corr....	-0.008			Mean.....	42.775	48.82		11 M.	+0.04	+0.7		Jan. 1 Hl.	+0.04	+1.3	
B. D. +15° 251				Mag. corr....	-0.008			12 Hl.	+0.02	+0.5		5 Br.	+0.05	+0.8	
$\alpha = 1^h 37^m$				B. D. +37° 356				19 M.	+0.08	+0.6		6 Hl.	+0.07	+0.7	
$\delta = +15^\circ 16'$				$\alpha = 1^h 38^m$				23 M.	+0.09	...		Sept. 24 Ei.Y.	+0.03	+0.6	
1903	s	"		$\delta = +38^\circ 1'$				1908				25 Ei.Y.	+0.05	+1.4	
Nov. 3 Ei.Y.	3.72	26.1	W.	1908	s	"		Jan. 15 M.	+0.08	+0.4	E.	Oct. 11 Ei.P.	-0.01	+1.2	
6 Ei.Y.	3.68	25.8	W.	Jan. 3 P.	17.01	7.2	E.	Sept. 2 M.	+0.08	... W.		25 Ei.P.	+0.05	+1.5	W.
1904				14 P.	16.99	7.1	E.	11 Fk.	+0.06	+0.6		1907			
Oct. 14 Ei.M.	3.74	25.8	E.	Dec. 19 L.	17.00	6.6	W.	12 P.	+0.09	+0.6		Dec. 18 P.	+0.05	+0.3	E.
1906				23 L.	17.03	7.2	W.	Dec. 2 M.	+0.08	-0.1		21 P.	-0.01	+1.2	
Oct. 8 Ei.P.	3.75	25.6	W.	Mean.....	17.008	7.02		1909				31 M.	+0.02	...	
Mean.....	3.722	25.82		Mag. corr....	0.000			Jan. 1 P.	+0.01	0.0		1908			
Mag. corr....	+0.005			B. D. +2° 255				2 L.	+0.11	+0.2		Jan. 2 M.	+0.04	...	
B. D. +9° 206				$\alpha = 1^h 38^m$				6 L.	+0.08	+0.7	W.	6 M.	+0.03	...	
$\alpha = 1^h 37^m$				$\delta = +9^\circ 44'$				Oct. 1 M.	+0.12	+0.6	E.	9 M.	+0.04	...	E.
$\delta = +9^\circ 44'$				1903	s	"		Dec. 22 L.	+0.09	+1.4		Aug. 13 P.	+0.03	+1.4	W.
1903	s	"		Oct. 20 Ei.Y.	41.24	13.4	W.	24 P.	+0.15	-0.1		15 P.	+0.04	+0.9	
Sept. 18 Ei.Y.	18.75	25.8	W.	22 Ei.Y.	41.28	13.3	W.	28 P.	+0.05	+0.7		20 Fk.	+0.04	+0.4	
22 Ei.Y.	18.72	25.7		1904				29 L.	+0.06	+1.3		30 M.	+0.03	+1.8	
28 Ei.Y.	18.72	25.1	W.	Oct. 29 Ei.M.	41.25	14.2	E.	30 M.	+0.06	+0.4		31 P.	-0.01	+0.3	W.
								31 P.	+0.09	+0.1		1909			
								1910				Aug. 6 L.	+0.01	+0.5	E.
								Jan. 8 L.	+0.06	-0.3		Dec. 20 M.	+0.05	+1.2	
								15 L.	+0.08	+0.5		1910			
								25 P.	+0.07	+0.1		Dec. 11 P.	0.00	+0.6	E.
								Dec. 29 M.	+0.05	+0.2		Mean.....	+0.025	+0.88	
								1911				Mag. corr....	+0.005		
								Jan. 5 M.	+0.11	+0.4	E.				

B. D. +14° 270			B. D. +12° 232			1904			B. D. +13° 286			
$\alpha = 1^h 40^m$			$\alpha = 1^h 42^m$			Oct. 27 Ei.M. 25.34 10.7 E.			$\alpha = 1^h 44^m$			
$\delta = +14^\circ 30'$			$\delta = +12^\circ 41'$			1906			$\delta = +13^\circ 51'$			
1903			1903			Oct. 12 Ei.P. 25.40 10.5 W.			1903			
Sept. 12 Ei.Y.	29.66	10.2 W.	Sept. 24 Ei.Y.	15.44	29.6 W.	Mean.....	25.390	10.65	Sept. 15 Ei.Y.	42.99	10.3 W.	
Oct. 20 Ei.Y.	29.72	10.7 W.	25 Ei.Y.	15.44	28.9 W.	Mag. corr....	+0.008		18 Ei.Y.	42.96	10.0	
1904			1904			B. D. +36° 320			22 Ei.Y.	43.00	9.6 W.	
Oct. 14 Ei.M.	29.67	10.0 E.	Oct. 29 Ei.M.	15.44	29.0 E.	$\alpha = 1^h 43^m$			1904			
1906			1906			$\delta = +36^\circ 55'$			Oct. 10 Ei.Y.	42.93	9.7 E.	
Oct. 8 Ei.P.	29.61	10.2 W.	Oct. 6 Ei.P.	15.49	29.0 W.	1907			Sept. 25 Ei.Y.	42.98	10.8 W.	
Mean.....	29.665	10.28	Mean.....	15.452	29.12	Dec. 18 P. 51.79 12.1 E.			Mean.....	42.972	10.08	
Mag. corr....	-0.013		Mag. corr....	-0.006		21 P. 51.87 12.4			Mag. corr....	-0.008		
e Sculptoris			B. D. +16° 203			31 M. 51.88 12.1			54 Ceti			
$\alpha = 1^h 40^m 57^s.638$			$\alpha = 1^h 42^m$			1908			$\alpha = 1^h 45^m$			
$\delta = -25^\circ 33' 8''.24$			$\delta = +16^\circ 27'$			Jan. 2 M. 51.82 12.0			$\delta = +10^\circ 32'$			
1904			1903			6 M. 51.91 12.3			1903			
Sept. 7 T.	+0.25	-0.6 E.	Oct. 27 Ei.Y.	45.42	28.5 W.	9 M. 51.90 11.8 E.			Sept. 19 Ei.Y.	33.57	54.3 W.	
11 M.	+0.23	-0.4	29 Ei.Y.	45.43	27.5 W.	Mean.....	51.862	12.12	21 Ei.Y.	33.56	54.7 W.	
Nov. 11 Br.	+0.30	-0.4	1904			Mag. corr....	-0.007		1904			
21 M.	+0.27	0.0 E.	Nov. 28 Ei.Y.	45.46	27.9 E.	B. D. +4° 316			Sept. 6 M.	33.54	54.4 E.	
1905			1906			$\alpha = 1^h 44^m$			8 M.	33.53	54.1	
Nov. 1 Bs.	+0.19	+2.0 W.	Oct. 15 Ei.P.	45.43	27.8 W.	$\delta = +5^\circ 7'$			Oct. 29 Ei.M.	33.54	53.9	
10 Bs.	+0.13	+1.6	Mean.....	45.435	27.92	1903			Nov. 18 Br.	33.47	53.5	
21 Br.	+0.21	+0.3	Mag. corr....	-0.007		Nov. 9 Ei.Y. 16.95 44.9 W.			20 Br.	33.50	.... E.
Dec. 10 Hl.	+0.24	-0.1	B. D. +16° 204			23 Ei.Y. 16.94 45.4 W.			1906			
11 Hl.	+0.29	-0.2 W.	$\alpha = 1^h 42^m$			1904			Oct. 12 Ei.P.	33.54	54.1 W.	
1907			$\delta = +16^\circ 31'$			Oct. 24 Ei.Y. 16.97 45.5 E.			1907			
Aug. 24 P.	+0.16	-0.9 E.	1903			1906			Aug. 12 P.	33.50	53.3 E.	
Mean.....	+0.227	+0.13	Oct. 20 Ei.Y.	55.74	21.9 W.	Oct. 6 Ei.P. 16.97 46.3 W.			1908			
Mag. corr....	-0.003		22 Ei.Y.	55.74	21.7 W.	Mean.....	16.958	45.52	Aug. 13 P.	33.49	54.5 W.	
B. D. +5° 240			1904			Mag. corr....	-0.007		20 Fk.	33.47	54.2	
$\alpha = 1^h 40^m$			Oct. 18 Ei.Y.	55.68	22.4 E.	B. D. +37° 382			30 M.	33.53	54.5	
$\delta = +6^\circ 2'$			Sept. 24 Ei.Y.	55.76	21.9 W.	$\alpha = 1^h 44^m$			31 P.	33.50	53.9	
1903			Mean.....	55.730	21.98	$\delta = +37^\circ 48'$			Dec. 26 L.	33.52	54.1 W.	
Nov. 9 Ei.Y.	59.94	6.6 W.	Mag. corr....	+0.008		1906			Mean.....	33.519	54.12	
23 Ei.Y.	59.92	6.0 W.	B. D. +2° 270			Sept. 5 Hl. 34.68 32.3 W.			Mag. corr....	-0.007		
1904			$\alpha = 1^h 43^m$			9 Hl. 34.70 32.0			2 Persei			
Oct. 27 Ei.M.	59.88	7.2 E.	$\delta = +3^\circ 11'$			Oct. 7 Hl. 34.71 31.6			$\alpha = 1^h 45^m$			
1906			1903			14 Hl. 34.74 31.8 W.			$\delta = +50^\circ 17'$			
Oct. 12 Ei.P.	59.94	7.7 W.	Nov. 6 Ei.Y.	15.19	11.5 W.	Mean.....	34.708	31.92	1904			
Mean.....	59.920	6.88	9 Ei.Y.	15.22	11.2 W.	Mag. corr....	-0.001		Sept. 11 M.	47.56	55.4 E.	
Mag. corr....	-0.010		1904			x Ceti			Nov. 21 M.	47.64	53.6 E.	
B. D. +16° 196			Oct. 14 Ei.M.	15.10	11.7 E.	$\alpha = 1^h 44^m 40^s.306$			1905			
$\alpha = 1^h 41^m$			Oct. 8 Ei.P.	15.14	11.0 W.	$\delta = -11^\circ 10' 51''.71$			Aug. 13 M.	47.56	55.4 W.	
$\delta = +16^\circ 54'$			Mean.....	15.162	11.35	1903			31 Br.	47.53	55.3	
1903			Mag. corr....	+0.023		Dec. 14 M. +0.03 +1.1 W.			Sept. 6 Bs.	47.58	55.4	
Sept. 15 Ei.Y.	9.56	43.6 W.	B. D. +38° 355			15 Br. +0.06 +0.7			1906			
18 Ei.Y.	9.58	43.7	$\alpha = 1^h 43^m$			16 R. +0.04 +0.4			Sept. 21 P.	47.62	55.9 W.	
22 Ei.Y.	9.61	43.7 W.	$\delta = +38^\circ 57'$			17 Br. +0.11 +0.5			1907			
1904			1907			18 M. +0.04 +1.3			Oct. 22 Hl.	47.51	55.2 E.	
Oct. 24 Ei.Y.	9.62	43.4 E.	1908			22 Br. +0.06 +0.2			Dec. 6 Hl.	47.55	54.7	
1906			Jan. 3 P. 22.13 14.4	1904			25 M. [+0.02] [+0.2] W.			7 P.	47.51	54.9 E.
Oct. 25 Ei.P.	9.62	43.9 W.	14 P. 22.17 14.1 E.	Jan. 15 M. -0.01 +1.2			1908			Sept. 11 Fk.	47.58	55.1 W.
Mean.....	9.598	43.66	Mean.....	22.158	14.20	18 M. +0.18 +1.2			Mean.....	47.564	55.09	
Mag. corr....	+0.017		Mag. corr....	-0.006		24 Br. +0.08 +1.4			Mag. corr....	-0.004		
B. D. +10° 241			B. D. +6° 275			25 M. [+0.02] [+0.2] W.			B. D. +3° 249			
$\alpha = 1^h 41^m$			$\alpha = 1^h 43^m$			1907			$\alpha = 1^h 45^m$			
$\delta = +10^\circ 20'$			$\delta = +7^\circ 11'$			Aug. 14 P. +0.08 +1.5 E.			$\delta = +3^\circ 43'$			
1903			1903			18 Hl. +0.09 +0.6			1903			
Sept. 19 Ei.Y.	50.76	41.1 W.	Sept. 12 Ei.Y.	25.36	10.7 W.	26 P. +0.10 +0.8			Sept. 24 Ei.Y.	49.06	36.0 W.	
21 Ei.Y.	50.70	40.5 W.	28 Ei.Y.	25.46	10.7 W.	Sept. 21 Hl. +0.05 +0.3			25 Ei.Y.	49.00	34.8 W.	
1904			1906			Nov. 25 M. +0.02 +1.0 E.			1904			
Oct. 10 Ei.Y.	50.68	40.1 E.	1907			Mean.....	+0.066	+0.87	Oct. 18 Ei.Y.	49.00	34.9 E.	
1906			1903			Mag. corr....	+0.002		1906			
Sept. 25 Ei.Y.	50.73	41.5 W.	1906			B. D. +13° 286			Oct. 15 Ei.P.	49.09	34.5 W.	
Mean.....	50.718	40.80	1907			1904			Mean.....	49.038	35.05	
Mag. corr....	+0.012		1908			Oct. 15 Ei.P.			Mag. corr....	-0.008		

B. D. +8° 284			ε Cassiopeiae			1910			1906		
α = 1 ^h 46 ^m			α = 1 ^h 47 ^m 11 ^s .801			Aug. 27 L.			Sept. 25 Ei.Y.		
δ = +8° 48'			δ = +63° 10' 39".57			Sept. 21 M.			9.04 26.6 W.		
1903			1904			Oct. 18 P.			Mean.....		
Oct. 20 Ei.Y.			Dec. 1 Br.			20 M.			Mag. corr....		
22 Ei.Y.			8 Br.			Nov. 11 P.			ξ Piscium		
1904			30 M.			19 P.			α = 1 ^h 48 ^m 22 ^s .682		
Nov. 28 Ei.Y.			1905			20 L.			δ = +2° 41' 38".50		
1906			Nov. 1 Bs.			Dec. 9 P.			1903		
Sept. 24 Ei.Y.			10 Bs.			Mean.....			Sept. 19 Ei.Y.		
Mean.....			21 Br.			Mag. corr....			21 Ei.Y.		
Mag. corr....			Dec. 14 Hl.			B. D. +3° 257			1904		
ξ Ceti			26 Hl.			α = 1 ^h 47 ^m			Oct. 18 Ei.Y.		
α = 1 ^h 46 ^m 31 ^s .482			1906			δ = +4° 10'			1905		
δ = -10° 49' 44".56			Jan. 1 Hl.			1903			Jan. 16 Y.		
1903			Aug. 24 P.			Oct. 27 Ei.Y.			1906		
Dec. 26 R.			Dec. 11 M.			29 Ei.Y.			Sept. 24 Ei.Y.		
1904			1910			35.42 10.7 W.			Oct. 15 Ei.P.		
Jan. 14 Br.			Jan. 15 L.			35.49 10.6 W.			1907		
Aug. 11 Br.			16 P.			1904			Aug. 12 P.		
14 Br.			19 L.			Oct. 14 Ei.M.			14 P.		
Dec. 12 M.			20 M.			35.50 10.3 E.			26 P.		
1905			25 P.			Oct. 8 Ei.P.			Sept. 21 Hl.		
Jan. 18 M.			Mean.....			35.462 10.32			Oct. 18 Hl.		
Nov. 8 Bs.			Mag. corr....			-0.008			1908		
29 Bs.			ε Cassiopeiae s. p.			B. D. +14° 298			Sept. 12 P.		
Dec. 18 Bs.			α = 1 ^h 47 ^m 11 ^s .816			α = 1 ^h 47 ^m			Dec. 2 M.		
19 Hl.			δ = +63° 10' 39".53			δ = +14° 56'			26 L.		
27 Br.			1910			1903			29 P.		
Jan. 6 Hl.			Jan. 10 P.			Nov. 3 Ei.Y.			1909		
Aug. 20 Hl.			18 L.			6 Ei.Y.			Jan. 1 P.		
Sept. 10 Hl.			19 M.			50.20 22.9 W.			2 L.		
16 Hl.			25 L.			50.18 23.0 W.			18 M.		
Oct. 18 Hl.			29 P.			1904			21 M.		
1908			Mean.....			Oct. 27 Ei.M.			22 P.		
Sept. 3 P.			Mag. corr....			50.11 24.0 E.			Aug. 6 L.		
7 P.			α Trianguli			1906			Sept. 26 P.		
Dec. 2 M.			α = 1 ^h 47 ^m 22 ^s .760			Oct. 6 Ei.P.			28 P.		
29 P.			δ = +29° 5' 28".15			50.16 22.9 W.			29 L.		
1909			1903			Mean.....			30 P.		
Jan. 1 P.			Sept. 14 Ei.Y.			50.162 23.20			Oct. 1 M.		
2 L.			1906			γ Arietis (south)			24 P.		
Sept. 14 P.			Oct. 25 Ei.P.			α = 1 ^h 48 ^m			25 M.		
26 P.			1907			δ = +18° 48'			27 L.		
28 P.			Aug. 18 Hl.			1903			29 L.		
29 L.			Jan. 3 P.			Sept. 12 Ei.Y.			Dec. 20 M.		
30 P.			10 P.			2.51 13.0 W.			1910		
Oct. 1 M.			14 P.			28 Ei.Y.			Feb. 1 M.		
24 P.			20 Hl.			1904			2 P.		
29 L.			Dec. 19 L.			Oct. 24 Ei.Y.			14 P.		
30 M.			23 L.			2.57 12.6 E.			Aug. 23 L.		
1910			1909			1905			20 L.		
Aug. 23 L.			Jan. 6 L.			Aug. 28 Br.			22 L.		
Sept. 20 L.			18 M.			2.51 12.1 W.			26 P.		
22 L.			19 P.			2.53 12.1			Oct. 16 P.		
26 P.			20 L.			Sept. 13 Bs.			17 M.		
Oct. 16 P.			21 M.			2.52 13.4			22 L.		
17 M.			22 P.			2.52 12.7			24 P.		
22 L.			Sept. 17 M.			22 Bs.			25 L.		
25 L.			18 P.			1906			28 P.		
28 P.			-0.02 0.0			Oct. 12 Ei.P.			Nov. 19 P.		
Dec. 29 M.			Oct. 28 M.			2.54 13.1 W.			Dec. 11 P.		
1911			30 P.			1907			1911		
Jan. 5 M.			Dec. 18 M.			Aug. 30 M.			Jan. 7 L.		
6 P.			20 M.			2.51 12.6 E.			8 P.		
7 L.			21 P.			Sept. 6 M.			Mean.....		
18 L.			24 P.			2.46 12.6			Mag. corr....		
27 P.			28 P.			Nov. 25 M.			B. D. +6° 296		
Mean.....			30 M.			Dec. 12 Hl.			α = 1 ^h 48 ^m		
Mag. corr....			1910			19 M.			δ = +7° 8'		
			Jan. 8 L.			23 M.			1903		
			Aug. 22 P.			Mean.....			Sept. 15 Ei.Y.		
						2.524 12.71			18 Ei.Y.		
						Mag. corr....			22 Ei.Y.		
						+0.003			29.2 W.		
						B. D. +11° 248			1904		
						α = 1 ^h 48 ^m			Oct. 29 Ei.M.		
						δ = +12° 11'			29.5 E.		
						1903					
						Nov. 9 Ei.Y.					
						9.04 25.3 W.					

1906			1904			1904			B. D. +39° 448			
Oct. 11	Ei.P.	22.86	29.8 W.	Jan. 18 M.	+0.10	+1.6 W.	Oct. 10 Ei.Y.	4.61	56.4 E.	$\alpha = 1^h 53^m$ $\delta = +40^\circ 4'$		
Mean.....		22.874	29.36	21 Br.	.....	+0.4	1906			1907	
Mag. corr....		+0.001		24 Br.	+0.09	+0.9	Oct. 15 Ei.P.	4.68	55.8 W.	Dec. 18 P.	36.16	42.9 E.
B. D. +39° 434			1905			B. D. +37° 437			1908			
$\alpha = 1^h 48^m$ $\delta = +40^\circ 12'$			1906			$\alpha = 1^h 51^m$ $\delta = +37^\circ 57'$			1908			
1906			1906			1907			1908			
Sept. 5 III.		52.66	43.8 W.	Jan. 18 M.	+0.05	+0.4 E.	Dec. 19 M.	51.08	29.0 E.	Jan. 2 M.	36.19	42.8
9 III.		52.62	43.7	Dec. 19 III.	+0.08	... W.	23 M.	51.03	29.1 E.	3 P.	36.20	43.0
Oct. 7 III.		52.64	43.1	Oct. 25 Ei.P.	+0.08	+1.0 W.	1908			6 M.	36.21	43.2
14 III.		52.59	43.6 W.	1908			Dec. 19 L.	51.05	28.9 W.	9 M.	36.21	42.8
Mean.....		52.628	43.55	Jan. 15 Ei.M.	+0.08	+0.6 E.	23 L.	50.98	29.1 W.	14 P.	36.20	43.0 E.
Mag. corr....		-0.006		Aug. 30 M.	+0.09	+1.1 W.	Mean.....	51.035	29.02	Mean.....	36.195	42.99
B. D. +9° 236			1909			B. D. +17° 289			Mag. corr....			
$\alpha = 1^h 48^m$ $\delta = +9^\circ 27'$			1910			$\alpha = 1^h 51^m$ $\delta = +17^\circ 19'$			-0.001			
1903			1910			1903			B. D. +11° 261			
Sept. 24 Ei.Y.		53.53	38.9 W.	Aug. 22 P.	+0.05	+1.0	Sept. 15 Ei.Y.	53.18	.... W.	$\alpha = 1^h 54^m$ $\delta = +11^\circ 48'$	
25 Ei.Y.		53.55	38.0 W.	27 L.	+0.07	+0.7	18 Ei.Y.	53.17	46.4	1903		
1904				Sept. 21 M.	+0.08	+0.3	22 Ei.Y.	53.28	46.2	1904		
Nov. 28 Ei.Y.		53.56	38.0 E.	Oct. 18 P.	+0.06	+0.6	Nov. 23 Ei.Y.	53.16	45.9 W.	1906		
1906				20 M.	+0.10	+0.5	1904			1906		
Oct. 8 Ei.P.		53.54	36.8 W.	Nov. 17 M.	+0.10	+0.8	Oct. 18 Ei.Y.	53.07	46.4 E.	Oct. 12 Ei.P.		
Mean.....		53.545	37.92	20 L.	+0.10	+0.9 E.	1906			4.52		
Mag. corr....		-0.001		Mean.....	+0.072	+0.56	Oct. 8 Ei.P.	53.17	45.7 W.	Mean.....		
B. D. +10° 257			1903			Mean.....			4.570			
$\alpha = 1^h 49^m$ $\delta = +10^\circ 54'$			1904			Mag. corr....			+0.022			
1903			1904			1903			B. D. +5° 274			
Oct. 20 Ei.Y.		4.78	37.3 W.	Nov. 3 Ei.Y.	24.81	57.0 W.	Sept. 15 Ei.Y.	53.172	46.12	$\alpha = 1^h 54^m$ $\delta = +5^\circ 33'$		
22 Ei.Y.		4.83	36.8 W.	6 Ei.Y.	24.86	57.0 W.	18 Ei.Y.	-0.001	46.12	1903		
1904				1904			22 Ei.Y.			1904		
Oct. 14 Ei.M.		4.77	37.3 E.	Oct. 24 Ei.Y.	24.80	56.7 E.	Nov. 18 Br.			Oct. 27 Ei.M.		
1906				1906			20 Br.			1906		
Oct. 6 Ei.P.		4.82	38.5 W.	Sept. 25 Ei.Y.	24.81	57.0 W.	1905			Sept. 25 Ei.Y.		
Mean.....		4.800	37.48	Mean.....	24.820	56.92	Aug. 21 Br.	21.22	30.6 W.	Mean.....		
Mag. corr....		+0.007		Mag. corr....	0.000		28 Br.	21.20	30.7	44.060		
B. D. +8° 292			B. D. +13° 296			B. D. +5° 262			+0.010			
$\alpha = 1^h 49^m$ $\delta = +8^\circ 17'$			$\alpha = 1^h 49^m$ $\delta = +13^\circ 15'$			$\alpha = 1^h 50^m$ $\delta = +5^\circ 56'$			50 Cassiopeiae			
1903			1903			1904			$\alpha = 1^h 54^m 53^s.130$ $\delta = +71^\circ 56' 14''.97$			
Oct. 27 Ei.Y.		5.37	20.7 W.	Nov. 3 Ei.Y.	24.81	57.0 W.	Jan. 15 M.	21.23	31.4 W.	1904		
29 Ei.Y.		5.34	20.9 W.	6 Ei.Y.	24.86	57.0 W.	Sept. 6 M.	21.25	31.4 E.	1904		
1904				1904			8 M.	21.28	31.1	1906		
Oct. 27 Ei.M.		5.35	21.0 E.	Oct. 24 Ei.Y.	24.80	56.7 E.	Nov. 18 Br.	21.27	31.2	Oct. 27 Ei.M.		
1906				1906			20 Br.	21.26	31.0 E.	1906		
Oct. 12 Ei.P.		5.30	21.3 W.	Sept. 25 Ei.Y.	24.81	57.0 W.	1905			Sept. 25 Ei.Y.		
Mean.....		5.340	20.98	Mean.....	24.820	56.92	Aug. 21 Br.	21.22	30.6 W.	Mean.....		
Mag. corr....		+0.012		Mag. corr....	0.000		28 Br.	21.20	30.7	44.060		
B. D. +8° 292			B. D. +13° 296			B. D. +5° 262			+0.010			
$\alpha = 1^h 49^m$ $\delta = +8^\circ 17'$			$\alpha = 1^h 49^m$ $\delta = +13^\circ 15'$			$\alpha = 1^h 50^m$ $\delta = +5^\circ 56'$			50 Cassiopeiae			
1903			1903			1904			$\alpha = 1^h 54^m 53^s.130$ $\delta = +71^\circ 56' 14''.97$			
Oct. 27 Ei.Y.		5.37	20.7 W.	Nov. 3 Ei.Y.	24.81	57.0 W.	Jan. 15 M.	21.23	31.4 W.	1904		
29 Ei.Y.		5.34	20.9 W.	6 Ei.Y.	24.86	57.0 W.	Sept. 6 M.	21.25	31.4 E.	1904		
1904				1904			8 M.	21.28	31.1	1906		
Oct. 27 Ei.M.		5.35	21.0 E.	Oct. 24 Ei.Y.	24.80	56.7 E.	Nov. 18 Br.	21.27	31.2	Oct. 27 Ei.M.		
1906				1906			20 Br.	21.26	31.0 E.	1906		
Oct. 12 Ei.P.		5.30	21.3 W.	Sept. 25 Ei.Y.	24.81	57.0 W.	1905			Sept. 25 Ei.Y.		
Mean.....		5.340	20.98	Mean.....	24.820	56.92	Aug. 21 Br.	21.22	30.6 W.	Mean.....		
Mag. corr....		+0.012		Mag. corr....	0.000		28 Br.	21.20	30.7	44.060		
B. D. +8° 292			B. D. +13° 296			B. D. +5° 262			+0.010			
$\alpha = 1^h 49^m$ $\delta = +8^\circ 17'$			$\alpha = 1^h 49^m$ $\delta = +13^\circ 15'$			$\alpha = 1^h 50^m$ $\delta = +5^\circ 56'$			50 Cassiopeiae			
1903			1903			1904			$\alpha = 1^h 54^m 53^s.130$ $\delta = +71^\circ 56' 14''.97$			
Oct. 27 Ei.Y.		5.37	20.7 W.	Nov. 3 Ei.Y.	24.81	57.0 W.	Jan. 15 M.	21.23	31.4 W.	1904		
29 Ei.Y.		5.34	20.9 W.	6 Ei.Y.	24.86	57.0 W.	Sept. 6 M.	21.25	31.4 E.	1904		
1904				1904			8 M.	21.28	31.1	1906		
Oct. 27 Ei.M.		5.35	21.0 E.	Oct. 24 Ei.Y.	24.80	56.7 E.	Nov. 18 Br.	21.27	31.2	Oct. 27 Ei.M.		
1906				1906			20 Br.	21.26	31.0 E.	1906		
Oct. 12 Ei.P.		5.30	21.3 W.	Sept. 25 Ei.Y.	24.81	57.0 W.	1905			Sept. 25 Ei.Y.		
Mean.....		5.340	20.98	Mean.....	24.820	56.92	Aug. 21 Br.	21.22	30.6 W.	Mean.....		
Mag. corr....		+0.012		Mag. corr....	0.000		28 Br.	21.20	30.7	44.060		
B. D. +8° 292			B. D. +13° 296			B. D. +5° 262			+0.010			
$\alpha = 1^h 49^m$ $\delta = +8^\circ 17'$			$\alpha = 1^h 49^m$ $\delta = +13^\circ 15'$			$\alpha = 1^h 50^m$ $\delta = +5^\circ 56'$			50 Cassiopeiae			
1903			1903			1904			$\alpha = 1^h 54^m 53^s.130$ $\delta = +71^\circ 56' 14''.97$			
Oct. 27 Ei.Y.		5.37	20.7 W.	Nov. 3 Ei.Y.	24.81	57.0 W.	Jan. 15 M.	21.23	31.4 W.	1904		
29 Ei.Y.		5.34	20.9 W.	6 Ei.Y.	24.86	57.0 W.	Sept. 6 M.	21.25	31.4 E.	1904		
1904				1904			8 M.	21.28	31.1	1906		
Oct. 27 Ei.M.		5.35	21.0 E.	Oct. 24 Ei.Y.	24.80	56.7 E.	Nov. 18 Br.	21.27	31.2	Oct. 27 Ei.M.		
1906				1906			20 Br.	21.26	31.0 E.	1906		
Oct. 12 Ei.P.		5.30	21.3 W.	Sept. 25 Ei.Y.	24.81	57.0 W.	1905			Sept. 25 Ei.Y.		
Mean.....		5.340	20.98	Mean.....	24.820	56.92	Aug. 21 Br.	21.22	30.6 W.	Mean.....		
Mag. corr....		+0.012		Mag. corr....	0.000		28 Br.	21.20	30.7	44.060		
B. D. +8° 292			B. D. +13° 296			B. D. +5° 262			+0.010			
$\alpha = 1^h 49^m$ $\delta = +8^\circ 17'$			$\alpha = 1^h 49^m$ $\delta = +13^\circ 15'$			$\alpha = 1^h 50^m$ $\delta = +5^\circ 56'$			50 Cassiopeiae			
1903			1903			1904			$\alpha = 1^h 54^m 53^s.130$ $\delta = +71^\circ 56' 14''.97$			
Oct. 27 Ei.Y.		5.37	20.7 W.	Nov. 3 Ei.Y.	24.81	57.0 W.	Jan. 15 M.	21.23	31.4 W.	1904		
29 Ei.Y.		5.34	20.9 W.	6 Ei.Y.	24.86	57.0 W.	Sept. 6 M.	21.25	31.4 E.	1904		
1904				1904			8 M.	21.28	31.1	1906		
Oct. 27 Ei.M.		5.35	21.0 E.	Oct. 24 Ei.Y.	24.80	56.7 E.	Nov. 18 Br.	21.27	31.2	Oct. 27 Ei.M.		
1906				1906			20 Br.	21.26	31.0 E.	1906		
Oct. 12 Ei.P.		5.30	21.3 W.	Sept. 25 Ei.Y.	24.81	57.0 W.	1905			Sept. 25 Ei.Y.		
Mean.....		5.340	20.98	Mean.....	24.820	56.92	Aug. 21 Br.	21.22	30.6 W.	Mean.....		
Mag. corr....		+0.012		Mag. corr....	0.000		28 Br.	21.20	30.7	44.060		
B. D. +8° 292			B. D. +13° 296			B. D. +5° 262			+0.010			
$\alpha = 1^h 49^m$ $\delta = +8^\circ 17'$			$\alpha = 1^h 49^m$ $\delta = +13^\circ 15'$			$\alpha = 1^h 50^m$ $\delta = +5^\circ 56'$			50 Cassiopeiae			
1903			1903			1904			$\alpha = 1^h 54^m 53^s.130$ $\delta = +71^\circ 56' 14''.97$			
Oct. 27 Ei.Y.		5.37	20.7 W.	Nov. 3 Ei.Y.	24.81	57.0 W.	Jan. 15 M.	21.23	31.4 W.	1904		
29 Ei.Y.		5.34	20.9 W.	6 Ei.Y.	24.86	57.0 W.	Sept. 6 M.	21.25	31.4 E.	1904		
1904				1904			8 M.	21.28	31.1	1906		
Oct. 27 Ei.M.		5.35	21.0 E.	Oct. 24 Ei.Y.	24.80	56.7 E.	Nov. 18 Br.	21.27	31.2	Oct. 27 Ei.M.		
1906				1906			20 Br.	21.26	31.0 E.	1906		
Oct. 12 Ei.P.		5.30	21.3 W.	Sept. 25 Ei.Y.	24.81	57.0 W.	1905			Sept. 25 Ei.Y.		
Mean.....		5.340	20.98	Mean.....	24.820	56.92	Aug. 21 Br.	21.22	30.6 W.	Mean.....		
Mag. corr....		+0.012		Mag. corr....	0.000		28 Br.	21.20	30.7	44.060		
B. D. +8° 292			B. D. +13° 296			B. D. +5° 262			+0.010			
$\alpha = 1^h 49^m$ $\delta = +8^\circ 17'$			$\alpha = 1^h 49^m$ $\delta = +13^\circ 15'$			$\alpha = 1^h 50^m$ $\delta = +5^\circ 56'$			50 Cassiopeiae			
1903			1903			1904			$\alpha = 1^h 54^m 53^s.130$ $\delta = +71^\circ 56' 14''.97$			
Oct. 27 Ei.Y.		5.37	20.7 W.	Nov. 3 Ei.Y.	24.81	57.0 W.	Jan. 15 M.	21.23	31.4 W.	1904		
29 Ei.Y.		5.34	20.9 W.	6 Ei.Y.	24.86	57.0 W.	Sept. 6 M.	21.25	31.4 E.	1904		
1904				1904			8 M.	21.28	31.1	1906		
Oct. 27 Ei.M.		5.35	21.0 E.	Oct. 24 Ei.Y.	24.80	56.7 E.	Nov. 18 Br.	21.27	31.2	Oct. 27 Ei.M.		
1906				1906			20 Br.	21.26	31.0 E.	1906		
Oct. 12 Ei.P.		5.30	21.3 W.	Sept. 25 Ei.Y.	24.81	57.0 W.	1905			Sept. 25 Ei.Y.		
Mean.....		5.340	20.98	Mean.....	24.820	56.92	Aug. 21 Br.	21.22	30.6 W.	Mean.....		
Mag. corr....		+0.012		Mag. corr....	0.000		28 Br.	21.20	30.7	44.060		
B. D. +8° 292			B. D. +13° 296			B. D. +5° 262			+0.010			
$\alpha = 1^h 49^m$ $\delta = +8^\circ 17'$			$\alpha = 1^h 49^m$ $\delta = +13^\circ 15'$			$\alpha = 1^h 50^m$ $\delta = +5^\circ 56'$			50 Cassiopeiae			
1903			1903			1904			$\alpha = 1^h 54^m 53^s.130$ $\delta = +71^\circ 56' 14''.97$			
Oct. 27 Ei.Y.		5.37	20.7 W.	Nov. 3 Ei.Y.	24.81	57.0 W.	Jan. 15 M.	21.23	31.4 W.	1904		
29 Ei.Y.		5.34	20.9 W.	6 Ei.Y.	24.86	57.0 W.	Sept. 6 M.	21.25	31.4 E.	1904		
1904				1904			8 M.	21.28	31.1	1906		
Oct. 27 Ei.M.		5.35	21.0 E.	Oct. 24 Ei.Y.	24.80	56.7 E.	Nov. 18 Br.	21.27	31.2	Oct. 27 Ei.M.		
1906				1906			20 Br.	21.26	31.0 E.	1906		
Oct. 12 Ei.P.		5.30	21.3 W.	Sept. 25 Ei.Y.	24.81	57.0 W.	1905			Sept. 25 Ei.Y.		
Mean.....		5.340	20.98	Mean.....	24.820	56.92	Aug. 21 Br.	21.22	30.6 W.	Mean.....		
Mag. corr....		+0.012		Mag. corr....	0.000		28 Br.	21.20	30.7	44.060		
B. D. +8° 292			B. D. +13° 296			B. D. +5° 262			+0.010			
$\alpha = 1^h 49^m$ $\delta = +8^\circ 17'$			$\alpha = 1^h 49^m$									

50 Cassiopeiae s. p.			B. D. +3° 273			1904			α Piscium (brighter)		
α = 1 ^h 54 ^m 53 ^s .127 δ = +71° 56' 14".98			α = 1 ^h 55 ^m δ = +3° 54'			Jan. 18 M. 24 Br.			α = 1 ^h 56 ^m δ = +2° 16'		
1904			1903			1906			1904		
Feb. 8 Br.	-0.06	+1.4 W.	Sept. 12 Ei.Y.	9.66	16.3 W.	Jan. 16 Br.	35.71	25.6 W.	Jan. 27 R.	52.36	50.6 W.
11 M.	+0.22	0.0	28 Ei.Y.	9.68	16.8 W.	1907			Sept. 6 M.	52.33	51.9 E.
14 M.	+0.07	+0.7	1904			Aug. 18 Hl.	35.81	26.1 E.	8 M.	52.31	51.5
22 Br.	+0.09	-0.2	Oct. 29 Ei.M.	9.66	16.4 E.	24 P.	35.76	26.1	Nov 18 Br.	52.34	51.4
May 1 M.	+0.01	+0.2 W.	1906			26 P.	35.68	25.4	20 Br.	52.36	51.0 E.
1907			Oct. 8 Ei.P.	9.71	15.7 W.	29 Hl.	35.75	25.6	1905		
June 5 M.	+0.03	+1.1 E.	Mean.....			Sept. 10 Hl.	35.75	25.8 E.	Aug. 13 M.	52.33	50.9 W.
1908			Mag. corr....	+0.010		Mean.....			31 Br.	52.37	52.0
Mar. 2 Hl.	+0.11	-0.3	ν Ceti			Mag. corr....	-0.003		Sept. 6 Bs.	52.40	52.8
3 P.	-0.04	+0.2	α = 1 ^h 55 ^m 17 ^s .639 δ = -21° 33' 44".32			B. D. +15° 292			8 Bs.	52.33	52.6
4 M.	-0.09	+0.2	1904			α = 1 ^h 55 ^m δ = +16° 4'			1906		
12 M.	-0.04	-1.4 E.	Sept. 7 T.	+0.07	+1.1 E.	1903			Jan. 5 Br.	52.38	51.7 W.
May 23 M.	+0.12	0.0 W.	11 M.	+0.02	+0.4	1906			Mean.....		
1910			Nov. 11 Br.	+0.06	+1.2	1903			Mag. corr....	-0.014	
Jan. 9 M.	.....	-0.4 E.	21 M.	+0.00	0.0	1904			B. D. +12° 271		
10 P.	+0.26	+0.4	1905			Nov. 28 Ei.Y.	43.36	55.0 E.	α = 1 ^h 57 ^m δ = +12° 59'		
18 L.	-0.13	-0.6	Jan. 18 M.	+0.02	+0.6 E.	1906			1903		
19 M.	+0.29	+0.1	Nov. 1 Bs.	+0.07	+0.5 W.	Oct. 12 Ei.P.	43.36	54.8 W.	Oct. 20 Ei.Y.	12.04	40.2 W.
25 L.	+0.10	+1.5	8 Bs.	0.00	-0.2	Mean.....			22 Ei.Y.	12.11	39.3 W.
26 M.	+0.25	+0.4	10 Bs.	+0.03	0.0	Mag. corr....			1904		
29 P.	+0.21	+0.9	21 Br.	+0.12	+0.3	B. D. +14° 326			Oct. 24 Ei.Y.	12.03	40.4 E.
1911			22 Bs.	+0.10	+0.4	α = 1 ^h 56 ^m δ = +14° 35'			1906		
Jan. 24 L.	+0.08	-0.2	23 Hl.	+0.12	+0.2	1903			Oct. 11 Ei.P.	12.02	40.9 W.
Feb. 10 M.	+0.22	-0.1 E.	29 Bs.	+0.08	+0.3	Sept. 19 Ei.Y.			Mean.....		
Mean.....			Dec. 10 Hl.	+0.06	+0.5	21 Ei.Y.			Mag. corr....	+0.020	
Mag. corr....			11 Hl.	+0.08	-0.7	1904			B. D. +36° 397		
B. D. +37° 455			27 Br.	+0.08	+0.4 W.	1906			α = 1 ^h 57 ^m δ = +37° 8'		
α = 1 ^h 54 ^m δ = +38° 11'			1909			1904			1907		
1906			Dec. 21 P.	+0.10	+0.3 E.	1906			Sept. 21 Hl.	13.98	54.8 E.
Sept. 5 Hl.	56.88	60.0 W.	24 P.	+0.12	-0.2	1904			Dec. 11 M.	14.09	55.2 E.
9 Hl.	56.90	59.4	28 P.	+0.15	+0.4	1906			Mean.....		
Oct. 7 Hl.	56.90	60.0	29 L.	+0.02	+1.2	1906			Mag. corr....	-0.003	
14 Hl.	56.87	60.1 W.	30 M.	+0.14	+1.1	1906			B. D. +8° 316		
Mean.....			31 P.	+0.08	+0.1	1906			α = 1 ^h 57 ^m δ = +8° 35'		
Mag. corr....			1910			1906			1903		
B. D. +5° 276			Jan. 8 L.	+0.09	+0.6	1906			Oct. 27 Ei.Y.	17.73	59.3 W.
α = 1 ^h 54 ^m δ = +6° 10'			Dec. 29 M.	+0.05	+0.2	1906			29 Ei.Y.	17.78	58.9 W.
1903			1911			1906			1904		
Oct. 27 Ei.Y.	57.08	8.6 W.	Jan. 18 L.	+0.16	+1.2 E.	1906			Oct. 10 Ei.Y.	17.77	58.8 E.
29 Ei.Y.	57.15	8.9 W.	Mean.....			1906			Oct. 8 Ei.P.	17.73	58.6 W.
1904			Mag. corr....	+0.007		1906			Mean.....		
Oct. 24 Ei.Y.	57.21	7.9 E.	B. D. +8° 308			1906			Mag. corr....	+0.002	
1906			α = 1 ^h 55 ^m δ = +8° 43'			1906			B. D. +10° 275		
Oct. 15 Ei.P.	57.19	7.9 W.	1903			1906			α = 1 ^h 57 ^m δ = +10° 32'		
Mean.....			Nov. 9 Ei.Y.	27.40	39.6 W.	1906			1903		
Mag. corr....			23 Ei.Y.	27.40	39.2 W.	1906			Nov. 3 Ei.Y.	37.39	14.0 W.
B. D. +9° 253			1904			1906			6 Ei.Y.	37.46	13.3 W.
α = 1 ^h 55 ^m δ = +10° 8'			Oct. 18 Ei.Y.	27.41	39.7 E.	1906			1904		
1903			1906			1906			Oct. 29 Ei.M.	37.50	13.2 E.
Nov. 3 Ei.Y.	3.38	43.0 W.	Oct. 6 Ei.P.	27.45	39.9 W.	1906			1906		
6 Ei.Y.	3.39	42.5 W.	Mean.....			1906			Oct. 6 Ei.P.	37.40	13.5 W.
1904			Mag. corr....	-0.008		1906			Mean.....		
Oct. 10 Ei.Y.	3.30	42.8 E.	53 Cassiopeiae			1906			Mag. corr....	+0.014	
1906			α = 1 ^h 55 ^m δ = +63° 54'			1906			B. D. +10° 275		
Oct. 11 Ei.P.	3.38	43.5 W.	1903			1906			α = 1 ^h 57 ^m δ = +10° 32'		
Mean.....			Dec. 11 R.	35.66	25.8 W.	1906			1903		
Mag. corr....			14 M.	35.75	25.8	1906			Nov. 3 Ei.Y.	37.39	14.0 W.
B. D. +9° 253			15 Br.	35.67	25.2	1906			6 Ei.Y.	37.46	13.3 W.
α = 1 ^h 55 ^m δ = +10° 8'			16 R.	35.70	25.5	1906			1904		
1903			17 Br.	35.71	25.2	1906			Oct. 29 Ei.M.	37.50	13.2 E.
Nov. 3 Ei.Y.	3.38	43.0 W.	18 M.	35.67	26.0	1906			1906		
6 Ei.Y.	3.39	42.5 W.	22 Br.	35.73	25.4	1906			Oct. 6 Ei.P.	37.40	13.5 W.
1904			29 Br.	35.68	25.8 W.	1906			Mean.....		
Oct. 10 Ei.Y.	3.30	42.8 E.	1906			1906			Mag. corr....	+0.014	
1906			Mean.....			1906			B. D. +10° 275		
Oct. 11 Ei.P.	3.38	43.5 W.	Mag. corr....			1906			α = 1 ^h 57 ^m δ = +10° 32'		
Mean.....			B. D. +8° 308			1906			1903		
Mag. corr....			α = 1 ^h 55 ^m δ = +63° 54'			1906			Nov. 3 Ei.Y.	37.39	14.0 W.
B. D. +9° 253			1903			1906			6 Ei.Y.	37.46	13.3 W.
α = 1 ^h 55 ^m δ = +10° 8'			Dec. 11 R.	35.66	25.8 W.	1906			1904		
1903			14 M.	35.75	25.8	1906			Oct. 29 Ei.M.	37.50	13.2 E.
Nov. 3 Ei.Y.	3.38	43.0 W.	15 Br.	35.67	25.2	1906			1906		
6 Ei.Y.	3.39	42.5 W.	16 R.	35.70	25.5	1906			Oct. 6 Ei.P.	37.40	13.5 W.
1904			17 Br.	35.71	25.2	1906			Mean.....		
Oct. 10 Ei.Y.	3.30	42.8 E.	18 M.	35.67	26.0	1906			Mag. corr....	+0.014	
1906			22 Br.	35.73	25.4	1906			B. D. +10° 275		
Oct. 11 Ei.P.	3.38	43.5 W.	29 Br.	35.68	25.8 W.	1906			α = 1 ^h 57 ^m δ = +10° 32'		
Mean.....			1906			1906			1903		
Mag. corr....			Mag. corr....			1906			Nov. 3 Ei.Y.	37.39	14.0 W.
B. D. +9° 253			B. D. +8° 308			1906			6 Ei.Y.	37.46	13.3 W.
α = 1 ^h 55 ^m δ = +10° 8'			α = 1 ^h 55 ^m δ = +63° 54'			1906			1904		
1903			1903			1906			Oct. 29 Ei.M.	37.50	13.2 E.
Nov. 3 Ei.Y.	3.38	43.0 W.	Dec. 11 R.	35.66	25.8 W.	1906			1906		
6 Ei.Y.	3.39	42.5 W.	14 M.	35.75	25.8	1906			Oct. 6 Ei.P.	37.40	13.5 W.
1904			15 Br.	35.67	25.2	1906			Mean.....		
Oct. 10 Ei.Y.	3.30	42.8 E.	16 R.	35.70	25.5	1906			Mag. corr....	+0.014	
1906			17 Br.	35.71	25.2	1906			B. D. +10° 275		
Oct. 11 Ei.P.	3.38	43.5 W.	18 M.	35.67	26.0	1906			α = 1 ^h 57 ^m δ = +10° 32'		
Mean.....			22 Br.	35.73	25.4	1906			1903		
Mag. corr....			29 Br.	35.68	25.8 W.	1906			Nov. 3 Ei.Y.	37.39	14.0 W.
B. D. +9° 253			1906			1906			6 Ei.Y.	37.46	13.3 W.
α = 1 ^h 55 ^m δ = +10° 8'			Mag. corr....			1906			1904		
1903			B. D. +8° 308			1906			Oct. 29 Ei.M.	37.50	13.2 E.
Nov. 3 Ei.Y.	3.38	43.0 W.	α = 1 ^h 55 ^m δ = +63° 54'			1906			1906		
6 Ei.Y.	3.39	42.5 W.	1903			1906			Oct. 6 Ei.P.	37.40	13.5 W.
1904			Dec. 11 R.	35.66	25.8 W.	1906			Mean.....		
Oct. 10 Ei.Y.	3.30	42.8 E.	14 M.	35.75	25.8	1906			Mag. corr....	+0.014	
1906			15 Br.	35.67	25.2	1906			B. D. +10° 275		
Oct. 11 Ei.P.	3.38	43.5 W.	16 R.	35.70	25.5	1906			α = 1 ^h 57 ^m δ = +10° 32'		
Mean.....			17 Br.	35.71	25.2	1906			1903		
Mag. corr....			18 M.	35.67	26.0	1906			Nov. 3 Ei.Y.	37.39	14.0 W.
B. D. +9° 253			22 Br.	35.73	25.4	1906			6 Ei.Y.	37.46	13.3 W.
α = 1 ^h 55 ^m δ = +10° 8'			29 Br.	35.68	25.8 W.	1906			1904		
1903			1906			1906			Oct. 29 Ei.M.	37.50	13.2 E.
Nov. 3 Ei.Y.	3.38	43.0 W.	Mag. corr....			1906			1906		
6 Ei.Y.	3.39	42.5 W.	B. D. +8° 308			1906			Oct. 6 Ei.P.	37.40	13.5 W.
1904			α = 1 ^h 55 ^m δ = +63° 54'			1906			Mean.....		
Oct. 10 Ei.Y.	3.30	42.8 E.	1903			1906			Mag. corr....	+0.014	
1906			Dec. 11 R.	35.66	25.8 W.	1906			B. D. +10° 275		
Oct. 11 Ei.P.	3.38	43.5 W.	14 M.	35.75	25.8	1906			α = 1 ^h 57 ^m δ = +10° 32'		
Mean.....			15 Br.	35.67	25.2	1906			1903		
Mag. corr....			16 R.	35.70	25.5	1906			Nov. 3 Ei.Y.	37.39	14.0 W.
B. D. +9° 253			17 Br.	35.71	25.2	1906			6 Ei.Y.	37.46	13.3 W.
α = 1 ^h 55 ^m δ = +10° 8'			18 M.	35.67	26.0	1906			1904		
1903			22 Br.	35.73	25.4	1906			Oct. 29 Ei.M.	37.50	13.2 E.
Nov. 3 Ei.Y.	3.38	43.0 W.	29 Br.	35.68	25.8 W.	1906			1906		
6 Ei.Y.	3.39	42.5 W.	1906			1906			Oct. 6 Ei.P.	37.40	13.5 W.
1904			Mag. corr....			1906			Mean.....		
Oct. 10 Ei.Y.	3.30	42.8 E.	B. D. +8° 308			1906			Mag. corr....	+0.014	
1906			α = 1 ^h 55 ^m δ = +63° 54'			1906			B. D. +10° 275		
Oct. 11 Ei.P.	3.38	43.5 W.	1903			1906			α = 1 ^h 57 ^m δ = +10° 32'		
Mean.....			Dec. 11 R.	35.66	25.8 W.	1906			1903		
Mag. corr....			14 M.	35.75	25.8	1906			Nov. 3 Ei.Y.	37.39	14.0 W.
B. D. +9° 253			15 Br.	35.67	25.2	1906			6 Ei.Y.	37.46	13.3 W.
α = 1 ^h 55 ^m δ = +10° 8'			16 R.	35.70	25.5	1906			1904		
1903			17 Br.	35.71	25.2	1906			Oct. 29 Ei.M.	37.50	13.2 E.
Nov. 3 Ei.Y.	3.38	43.0 W.	18 M.	35.67	26.0	1906			1906		
6 Ei.Y.	3.39	42.5 W.	22 Br.	35.73	25.4	1906			Oct. 6 Ei.P.	37.40	13.5 W.
1904			29 Br.	35.68	25.8 W.	1906			Mean.....		
Oct. 10 Ei.Y.	3.30	42.8 E.	1906			1906			Mag. corr....	+0.014	
1906			Mag. corr....			1906			B. D. +10° 275		
Oct. 11 Ei.P.	3.38	43.5 W.	B. D. +8° 308			1906			α = 1 ^h 57 ^m δ = +10° 32'		
Mean.....			α = 1 ^h 55 ^m δ = +63° 54'			1906			1903		
Mag. corr....			1903			1906			Nov. 3 Ei.Y.	37.39	14.0 W.
B. D. +9° 253			Dec. 11 R.	35.66	25.8 W.	1906			6 Ei.Y.	37.46	13.3 W.
α = 1 ^h 55 ^m δ = +10° 8'			14 M.	35.75	25.8	1906			1904		
1903			15 Br.	35.67	25.2	1906			Oct. 29 Ei.M.	37.50	13.2 E.
Nov. 3 Ei.Y.	3.38	43.0 W.	16 R.	35.70	25.5	1906			1906		
6 Ei.Y.	3.39	42.5 W.	17 Br.	35.71	25.2	1906			Oct. 6 Ei.P.	37.40	13.5 W.
1904			18 M.	35.67	26.0	1906			Mean.....		
Oct. 1											

[illegible]

1906 Oct. 25 Ei.P. 37.05 47.2 W. Mean..... 37.020 47.00 Mag. corr.... +0.006 B. D. +10° 292 $\alpha = 2^h 2^m$ $\delta = +10^\circ 42'$	1904 Oct. 29 Ei.M. 41.08 1.2 E. 1906 Sept. 25 Ei.Y. 41.08 1.8 W. Mean..... 41.055 1.45 Mag. corr.... -0.007 B. D. +16° 247 $\alpha = 2^h 3^m$ $\delta = +16^\circ 45'$	1904 Jan. 24 Br. 5.02 44.3 W. Oct. 27 Ei.M. 4.94 43.5 E. 1906 Oct. 25 Ei.P. 4.96 43.6 W. 1907 Aug. 20 Hl. 4.97 44.2 E. 24 P. 4.95 44.2 Sept. 6 M. 4.92 44.1 Dec. 18 P. 4.96 43.8 21 P. 4.98 44.5 E. Mean..... 4.957 43.84 Mag. corr.... -0.007 B. D. +36° 427 $\alpha = 2^h 5^m$ $\delta = +36^\circ 52'$	55 Cassiopeiae s. p. $\alpha = 2^h 6^m 37^s.712$ $\delta = +66^\circ 3' 20''.74$ 1904 Feb. 14 M. -0.14 +1.2 W. 22 Br. +0.06 -1.0 24 Br. +0.08 +0.7 1906 Jan. 18 Br. +0.08 +0.4 28 Bs. +0.07 -1.6 W. 1907 Apr. 29 M. +0.24 -0.2 E. June 3 M. +0.20 -0.3 1908 Mar. 3 P. +0.18 -1.1 21 Fk. +0.13 -0.6 Apr. 4 P. +0.07 -0.4 E. Mean..... +0.097 -0.29 Mag. corr.... +0.018
1903 Sept. 24 Ei.Y. 46.39 55.1 W. 25 Ei.Y. 46.34 53.8 W. 1904 Oct. 24 Ei.Y. 46.44 54.0 E. 1906 Oct. 8 Ei.P. 46.38 53.2 W. Mean..... 46.388 54.02 Mag. corr.... -0.003 B. D. +8° 330 $\alpha = 2^h 3^m$ $\delta = +8^\circ 22'$	1903 Nov. 3 Ei.Y. 53.47 19.4 W. 6 Ei.Y. 53.40 19.2 W. 1904 Oct. 18 Ei.Y. 53.40 18.0 E. 1906 Oct. 15 Ei.P. 53.37 18.2 W. Mean..... 53.410 18.70 Mag. corr.... +0.019 B. D. +19° 329 $\alpha = 2^h 4^m$ $\delta = +19^\circ 52'$	1907 Dec. 19 M. 25.36 51.2 E. 23 M. 25.31 51.0 E. 1908 Dec. 19 L. 25.31 50.9 W. 23 L. 25.29 51.6 W. Mean..... 25.318 51.18 Mag. corr.... 0.000 B. D. +20° 341 $\alpha = 2^h 5^m$ $\delta = +20^\circ 54'$	6 Persei $\alpha = 2^h 6^m$ $\delta = +50^\circ 36'$ 1904 Sept. 6 M. 57.18 5.0 E. 8 M. 57.27 4.2 Oct. 23 M. 57.24 3.3 Nov. 18 Br. 57.23 4.6 20 Br. 57.22 4.7 E. 1905 Aug. 21 Br. 57.24 4.7 W. 28 Br. 57.32 4.3 Sept. 13 Bs. 57.23 4.2 14 Hl. 57.21 3.6 15 Bs. 57.24 3.6 22 Bs. 57.24 4.8 W. Mean..... 57.238 4.27 Mag. corr.... -0.003
β Trianguli $\alpha = 2^h 3^m 35^s.536$ $\delta = +34^\circ 30' 51''.42$ 1905 Aug. 21 Br. +0.01 +0.4 W. 28 Br. +0.04 +0.1 29 Hl. +0.06 +1.1 31 Br. +0.04 -0.2 Sept. 6 Bs. +0.01 +0.4 8 Bs. -0.06 0.0 13 Bs. +0.04 +0.3 15 Bs. -0.06 +0.5 W. 1907 Aug. 30 M. +0.05 +0.4 E. Oct. 22 Hl. -0.04 +0.5 Dec. 7 P. -0.05 +0.4 11 M. +0.05 +1.4 12 Hl. -0.02 ... E. Mean..... +0.005 +0.44 Mag. corr.... 0.000 B. D. +36° 420 $\alpha = 2^h 3^m$ $\delta = +36^\circ 38'$	1903 Nov. 9 Ei.Y. 9.74 28.5 W. 23 Ei.Y. 9.74 27.9 W. 1904 Nov. 28 Ei.Y. 9.73 29.1 E. 1906 Oct. 11 Ei.P. 9.74 29.1 W. Mean..... 9.738 28.65 Mag. corr.... -0.003 B. D. +12° 292 $\alpha = 2^h 4^m$ $\delta = +12^\circ 42'$	1903 Sept. 24 Ei.Y. 46.47 23.5 W. 25 Ei.Y. 46.42 22.7 W. 1904 Oct. 24 Ei.Y. 46.47 22.9 E. 1906 Oct. 12 Ei.P. 46.49 22.6 W. Mean..... 46.462 22.93 Mag. corr.... +0.009 B. D. +7° 347 $\alpha = 2^h 6^m$ $\delta = +8^\circ 6'$	B. D. +9° 280 $\alpha = 2^h 7^m$ $\delta = +9^\circ 51'$ 1903 Oct. 27 Ei.Y. 9.91 34.8 W. 29 Ei.Y. 10.01 34.4 W. 1904 Oct. 29 Ei.M. 9.94 34.4 E. 1906 Oct. 15 Ei.P. 10.00 34.4 W. Mean..... 9.965 34.50 Mag. corr.... -0.006 B. D. +20° 348 $\alpha = 2^h 7^m$ $\delta = +20^\circ 44'$
1907 Dec. 31 M. 37.40 33.0 E. 1908 Jan. 2 M. 37.38 32.9 6 M. 37.45 33.7 9 M. 37.45 33.3 E. Mean..... 37.420 33.22 Mag. corr.... +0.002 B. D. +6° 331 $\alpha = 2^h 3^m$ $\delta = +6^\circ 32'$	1906 Sept. 5 Hl. 48.73 3.8 W. 9 Hl. 48.80 4.1 Oct. 7 Hl. 48.72 3.4 14 Hl. 48.74 2.9 W. Mean..... 48.748 3.55 Mag. corr.... -0.008 15 Arietis $\alpha = 2^h 5^m$ $\delta = +19^\circ 1'$	55 Cassiopeiae $\alpha = 2^h 6^m 37^s.714$ $\delta = +66^\circ 3' 20''.74$ 1904 Dec. 1 Br. -0.02 -0.7 E. 8 Br. +0.16 +0.2 29 Br. +0.12 0.0 30 M. +0.01 0.0 E. 1905 Oct. 3 Bs. +0.09 +0.9 W. 12 Br. +0.08 -0.6 14 Bs. -0.06 +0.6 Nov. 1 Bs. -0.04 -0.1 10 Bs. -0.12 +0.1 1906 Jan. 1 Hl. -0.17 +0.2 W. 1907 Nov. 26 P. +0.08 +0.2 E. Mean..... +0.012 +0.07 Mag. corr.... +0.020	B. D. +13° 351 $\alpha = 2^h 7^m$ $\delta = +13^\circ 26'$ 1903 Nov. 23 Ei.Y. 17.65 56.1 W. Dec. 7 Ei.Y. 17.66 56.6 W.
1903 Oct. 27 Ei.Y. 41.03 1.3 W. 29 Ei.Y. 41.03 1.5 W.	1904 Jan. 18 M. 4.96 W.	1906 Oct. 15 Ei.P. 4.96 43.8	1903 Nov. 23 Ei.Y. 17.65 56.1 W. Dec. 7 Ei.Y. 17.66 56.6 W.

1904 Nov. 28 Ei.Y. 17.67 56.9 E. 1906 Oct. 8 Ei.P. 17.63 56.8 W. Mean..... 17.652 56.60 Mag. corr.... +0.007 B. D. +14° 357 $\alpha = 2^h 7^m$ $\delta = +14^\circ 48'$	1908 Sept. 2 M. +0.03 ... W. 10 P. -0.02 +0.5 11 Fk. +0.04 +1.2 Nov. 29 P. -0.01 ... 1909 Jan. 6 L. +0.04 +0.9 W. Aug. 6 L. [-0.02] [+0.6] E. Sept. 30 P. -0.06 +1.7 Oct. 30 P. +0.02 +0.5 Dec. 22 L. +0.03 +1.2 1910 Feb. 14 P. [+0.3] Sept. 20 L. 0.00 +1.2 Nov. 17 M. +0.08 +0.4 20 L. +0.04 +1.4 1911 Jan. 8 P. +0.01 +0.3 27 P. +0.04 +1.1 E. Mean..... +0.017 +1.05 Mag. corr.... +0.005 B. D. +37° 504 $\alpha = 2^h 7^m$ $\delta = +37^\circ 36'$	1906 Oct. 15 Ei.P. 49.92 59.6 W. Mean..... 49.902 59.65 Mag. corr.... +0.005 B. D. +38° 442 $\alpha = 2^h 9^m$ $\delta = +38^\circ 42'$ 1907 Dec. 19 M. 13.30 10.7 E. 23 M. 13.27 10.7 E. 1908 Dec. 19 L. 13.33 10.5 W. 23 L. 13.29 11.0 W. Mean..... 13.298 10.72 Mag. corr.... 0.000 B. D. +36° 446 $\alpha = 2^h 9^m$ $\delta = +36^\circ 18'$ 1906 Sept. 5 Hl. 52.86 19.6 W. 9 Hl. 52.82 20.2 Oct. 7 Hl. 52.87 20.6 14 Hl. 52.78 19.4 W. Mean..... 52.832 19.95 Mag. corr.... 0.000 B. D. +15° 322 $\alpha = 2^h 10^m$ $\delta = +15^\circ 21'$ 1903 Oct. 20 Ei.Y. 28.19 18.5 W. 22 Ei.Y. 28.23 18.3 W. 1904 Oct. 22 Ei.M. 28.19 19.2 E. 1906 Oct. 11 Ei.P. 28.18 19.6 W. Mean..... 28.198 18.90 Mag. corr.... -0.001 B. D. +10° 306 $\alpha = 2^h 10^m$ $\delta = +10^\circ 53'$ 1903 Nov. 3 Ei.Y. 31.11 42.0 W. 6 Ei.Y. 31.11 41.5 W. 1904 Oct. 18 Ei.Y. 31.07 41.3 E. 1906 Oct. 8 Ei.P. 31.11 40.8 W. Mean..... 31.100 41.40 Mag. corr.... -0.002 B. D. +6° 342 $\alpha = 2^h 11^m$ $\delta = +6^\circ 30'$ 1903 Nov. 9 Ei.Y. 2.89 27.6 W. 23 Ei.Y. 2.82 27.7 W. 1904 Oct. 24 Ei.Y. 2.87 28.1 E. 1906 Oct. 15 Ei.P. 2.86 27.2 W. Mean..... 2.860 27.65 Mag. corr.... -0.007	γ Trianguli $\alpha = 2^h 11^m 22^s.059$ $\delta = +33^\circ 23' 4''.82$ 1904 Sept. 11 M. +0.01 +0.6 E. Nov. 11 Br. +0.01 +0.6 E. 1906 Sept. 19 P. +0.16 -1.0 W. 21 P. -0.02 +1.0 W. 1907 Aug. 24 P. -0.04 +1.3 E. Nov. 26 P. +0.06 +1.1 1908 Jan. 6 M. +0.06 +1.2 E. Sept. 3 P. 0.00 +1.1 W. 7 P. +0.01 +0.5 10 P. +0.07 +0.2 W. Mean..... +0.032 +0.66 Mag. corr.... +0.005 B. D. +56° 498 $\alpha = 2^h 11^m$ $\delta = +56^\circ 32'$ 1910 Jan. 7 P. 22.63 50.0 E. 10 M. 22.52 50.0 15 L. 22.55 50.2 16 P. 22.54 50.0 19 L. 22.51 50.3 20 M. 22.53 50.1 25 P. 22.54 50.0 E. Mean..... 22.546 50.09 Mag. corr.... -0.004 B. D. +9° 296 $\alpha = 2^h 11^m$ $\delta = +9^\circ 19'$ 1903 Sept. 15 Ei.Y. 32.39 21.3 W. 18 Ei.Y. 32.44 21.6 22 Ei.Y. 32.52 20.8 W. 1904 Nov. 30 Ei.Y. 32.47 21.6 E. 1906 Oct. 25 Ei.P. 32.46 21.6 W. Mean..... 32.456 21.38 Mag. corr.... -0.008 B. D. +16° 266 $\alpha = 2^h 11^m$ $\delta = +16^\circ 51'$ 1903 Sept. 19 Ei.Y. 33.87 9.5 W. 21 Ei.Y. 33.89 9.1 W. 1904 Oct. 27 Ei.M. 33.81 9.4 E. 1906 Oct. 12 Ei.P. 33.87 9.4 W. Mean..... 33.860 9.35 Mag. corr.... -0.007 67 Ceti $\alpha = 2^h 11^m 59^s.731$ $\delta = -6^\circ 52' 59''.27$ 1903 Oct. 12 Ei.Y. +0.07 +0.2 W. 13 Ei.Y. +0.03 +0.3 27 Ei.Y. -0.05 +1.2 29 Ei.Y. +0.03 +0.7 W.
---	---	--	--

1904			s			"			- θ Arietis			B. D. +39° 521			B. D. +19° 346		
Jan. 14 Br.			+0.05			+1.3 W.			α = 2 ^h 12 ^m			α = 2 ^h 13 ^m			α = 2 ^h 14 ^m		
27 R.			+0.06			+0.9			δ = +19° 26'			δ = +39° 22'			δ = +19° 39'		
30 R.			[+0.03]			[+0.8] W.											
Sept. 6 M.			-0.01			+1.5 E.			1903			1907			1903		
8 M.			-0.02			+0.8			Sept. 28 Ei.Y.			Dec. 18 P.			Oct. 20 Ei.Y.		
23 M.			0.00			+0.6			33.73			27.77			58.02		
24 Ei.Y.			+0.05			+0.6			19.5 W.			28.2			55.2 W.		
Nov. 18 Br.			+0.06			+0.8			29 Ei.Y.			19 M.			22 Ei.Y.		
20 Br.			+0.02			...			Dec. 14 M.			21 P.			58.09		
Dec. 1 Br.			+0.06			+1.6			15 Br.			23 M.			55.7 E.		
8 Br.			+0.03			+1.0			18 M.			31 M.			57.99		
18 Br.			+0.09			+0.5			22 Br.						54.6 W.		
29 Br.			+0.05			+0.6			31 Br.						58.028		
30 M.			-0.01			+0.9			1904			Jan. 2 M.			-0.013		
									Jan. 15 M.			3 P.			B. D. +9° 306		
									48 M.			14 P.			α = 2 ^h 15 ^m		
									24 Br.			Dec. 19 L.			δ = +9° 32'		
									Oct. 10 Ei.Y.			23 L.					
									1906			Mean.....					
									Oct. 15 Ei.P.			Mag. corr....					
									1907								
									Sept. 6 M.								
									10 Hl.								
									Dec. 6 Hl.								
									7 P.								
									11 M.								
									1909								
									Aug. 7 P.								
									Mean.....								
									Mag. corr....								
									B. D. +56° 543								
									α = 2 ^h 12 ^m								
									δ = +56° 51'								
									1910								
									Jan. 8 L.								
									10 M.								
									15 L.								
									16 P.								
									19 L.								
									20 M.								
									25 P.								
									Mean.....								
									Mag. corr....								
									B. D. +21° 321								
									α = 2 ^h 12 ^m								
									δ = +21° 26'								
									1903								
									Oct. 20 Ei.Y.								
									22 Ei.Y.								
									1904								
									Oct. 29 Ei.M.								
									1906								
									Oct. 11 Ei.P.								
									Mean.....								
									Mag. corr....								
									B. D. +12° 317								
									α = 2 ^h 13 ^m								
									δ = +12° 31'								
									1903								
									Oct. 12 Ei.Y.								
									13 Ei.Y.								
									1904								
									Oct. 18 Ei.Y.								
									1905								
									Dec. 4 Ei.Y.								
									Mean.....								
									Mag. corr....								
									B. D. +13° 371								
									α = 2 ^h 14 ^m								
									δ = +13° 50								
									1903								
									Sept. 15 Ei.Y.								
									18 Ei.Y.								
									19 Ei.Y.								
									21 Ei.Y.								
									22 Ei.Y.								
									1904								
									Nov. 30 Ei.Y.								
									1906								
									Oct. 25 Ei.P.								
									Mean.....								
									Mag. corr....								
									B. D. +15° 329								
									α = 2 ^h 16 ^m								
									δ = +15° 42'								
									1903								
									Nov. 3 Ei.Y.								
									6 Ei.Y.								

1904			s			"			- θ Arietis			B. D. +39° 521			B. D. +19° 346		
Jan. 14 Br.			+0.05			+1.3 W.			α = 2 ^h 12 ^m			α = 2 ^h 13 ^m			α = 2 ^h 14 ^m		
27 R.			+0.06			+0.9			δ = +19° 26'			δ = +39° 22'			δ = +19° 39'		
30 R.			[+0.03]			[+0.8] W.											
Sept. 6 M.			-0.01			+1.5 E.			1903			1907			1903		
8 M.			-0.02			+0.8			Sept. 28 Ei.Y.			Dec. 18 P.			Oct. 20 Ei.Y.		
23 M.			0.00			+0.6			33.69			27.73			58.02		
24 Ei.Y.			+0.05			+0.6			19.7			28.0			55.2 W.		
Nov. 18 Br.			+0.06			+0.8			Dec. 14 M.			27.69			58.09		
20 Br.			+0.02			...			15 Br.			27.76			55.7 E.		
Dec. 1 Br.			+0.06			+1.6			18 M.			28.2			57.99		
8 Br.			+0.03			+1.0			22 Br.						54.6 W.		
18 Br.			+0.09			+0.5			31 Br.						58.028		
29 Br.			+0.05			+0.6			1904			Jan. 2 M.			-0.013		
30 M.			-0.01			+0.9			Jan. 15 M.			3 P.			B. D. +9° 306		
									48 M.			14 P.			α = 2 ^h 15 ^m		
									24 Br.			Dec. 19 L.			δ = +9° 32'		
									Oct. 10 Ei.Y.			23 L.					
									1906			Mean.....					
									Oct. 15 Ei.P.			Mag. corr....					
									1907								
									Sept. 6 M.								
									10 Hl.								
									Dec. 6 Hl.								
									7 P.								
									11 M.								
									1909								
									Aug. 7 P.								
									Mean.....								
									Mag. corr....								
									B. D. +56° 543								
									α = 2 ^h 12 ^m								
									δ = +56° 51'								
									1910								
									Jan. 8 L.								
									10 M.								
									15 L.								
									16 P.								
									19 L.								
									20 M.								
									25 P.								
									Mean.....								
									Mag. corr....								
									B. D. +21° 321								
									α = 2 ^h 12 ^m								
									δ = +21° 26'								
									1903								
									Oct. 20 Ei.Y.								
									22 Ei.Y.								
									1904								
									Oct. 29 Ei.M.								
									1906								
									Oct. 11 Ei.P.								
									Mean.....								
									Mag. corr....								
									B. D. +12° 317								
									α = 2 ^h 13 ^m								
									δ = +12° 31'								
									1903								
									Oct. 12 Ei.Y.								
									13 Ei.Y.								
									1904								
									Oct. 18 Ei.Y.								
									1905								
									Dec. 4 Ei.Y.								
									Mean.....								
									Mag. corr....								
									B. D. +13° 371								
									α = 2 ^h 14 ^m								
									δ = +13° 50								
									1903								
									Sept. 15 Ei.Y.								
									18 Ei.Y.								
									19 Ei.Y.								
									21 Ei.Y.								
									22 Ei.Y.								
									1904								
									Nov. 30 Ei.Y.								
									1906								
									Oct. 25 Ei.P.								
									Mean.....								
									Mag. corr....								
									B. D. +15° 329								
									α = 2 ^h 16 ^m								
									δ = +15° 42'								
									1903								
									Nov. 3 Ei.Y.								
									6 Ei.Y.								

1904			1907			1906			Cassiopeiae s. p.		
Oct. 18 Ei.Y.	20.96	19.1 E.	Dec. 21 P.	0.71	31.2 E.	Oct. 11 Ei.P.	27.35	29.4 W.	$\alpha = 2^h 20^m 49^s.304$		
1906			23 M.	0.76	30.9	1907			$\delta = +66^\circ 57' 10''.54$		
Oct. 11 Ei.P.	20.88	19.6 W.	31 M.	0.79	30.1	Aug. 24 P.	27.40	28.8 E.	1905		
Mean.....	20.915	19.40	1908			26 P.	27.35	28.7	June 13 Br.	-0.05	+1.3 E.
Mag. corr.....	0.000		Jan. 2 M.	0.75	30.2	29 Hl.	27.36	29.3	15 M.	-0.23	+0.4 E.
B. D. +16° 281			3 P.	0.77	30.7	30 M.	27.38	28.4	1906		
$\alpha = 2^h 17^m$			6 M.	0.81	30.1	Sept. 10 Hl.	27.36	28.0 E.	Jan. 28 Bs.	-0.04	-0.8 W.
$\delta = +16^\circ 24'$			9 M.	0.78	30.8	Mean.....	27.371	28.73	Feb. 22 Bs.	+0.09	+0.2
1903			14 P.	0.65	31.2 E.	Mag. corr.....	-0.003		Mar. 31 Bs.	-0.02	+2.0 W.
Oct. 20 Ei.Y.	2.74	50.7 W.	Dec. 19 L.	0.79	30.3 W.	B. D. +19° 355			1908		
22 Ei.Y.	2.75	50.4 W.	23 L.	0.75	30.6 W.	$\alpha = 2^h 20^m$			Feb. 20 Hl.	+0.03	-0.7 E.
1904			Mean.....	0.752	30.56	$\delta = +19^\circ 49'$			24 Hl.	0.00	0.0
Nov. 28 Ei.Y.	2.70	51.5 E.	Mag. corr.....	+0.002		1903			Mar. 9 Hl.	-0.18	-0.2 E.
1906			B. D. +20° 388			Nov. 3 Ei.Y.	10.56	48.0 W.	May 12 P.	-0.03	-0.8 W.
Oct. 25 Ei.P.	2.70	51.2 W.	$\alpha = 2^h 18^m$			6 Ei.Y.	10.54	47.9 W.	25 M.	-0.13	-0.4 W.
Mean.....	2.722	50.95	$\delta = +20^\circ 57'$			1904			Mean.....	-0.056	+0.10
Mag. corr.....	+0.014		1903			Nov. 28 Ei.Y.	10.54	48.3 E.	Mag. corr.....	+0.004	
B. D. +17° 353			Sept. 24 Ei.Y.	10.35	35.8 W.	1906			B. D. +12° 332		
$\alpha = 2^h 17^m$			25 Ei.Y.	10.37	35.0 W.	Oct. 25 Ei.P.	10.59	47.9 W.	$\alpha = 2^h 21^m$		
$\delta = +17^\circ 57'$			1904			Mean.....	10.558	48.02	$\delta = +12^\circ 26'$		
1903			Oct. 22 Ei.M.	10.35	34.6 E.	Mag. corr.....	0.000		1903		
Sept. 15 Ei.Y.	7.46	8.0 W.	1906			B. D. +11° 335			Sept. 24 Ei.Y.	1.94	54.9 W.
18 Ei.Y.	7.42	8.2	Oct. 8 Ei.P.	10.39	33.9 W.	$\alpha = 2^h 20^m$			25 Ei.Y.	1.93	54.0 W.
22 Ei.Y.	7.39	7.9 W.	Mean.....	10.365	34.82	$\delta = +11^\circ 31'$			1904		
1904			Mag. corr.....	-0.013		1903			Oct. 22 Ei.M.	1.95	54.0 E.
Nov. 30 Ei.Y.	7.42	8.6 E.	B. D. +9° 313			Sept. 15 Ei.Y.	11.13	36.5 W.	1906		
1905			$\alpha = 2^h 18^m$			18 Ei.Y.	11.19	36.7	Oct. 8 Ei.P.	1.90	53.6 W.
Dec. 5 Ei.Y.	7.45	7.9 W.	$\delta = +9^\circ 49'$			22 Ei.Y.	11.12	36.8 W.	Mean.....	1.930	54.12
Mean.....	7.428	8.12	1903			Nov. 30 Ei.Y.	11.18	36.8 E.	Mag. corr.....	+0.002	
Mag. corr.....	-0.007		Sept. 28 Ei.Y.	49.11	8.2 W.	1905			ρ Ceti		
B. D. +10° 318			29 Ei.Y.	49.10	8.8 W.	Dec. 5 Ei.Y.	11.17	37.8 W.	$\alpha = 2^h 21^m$		
$\alpha = 2^h 17^m$			1904			Mean.....	11.158	36.92	$\delta = -12^\circ 44'$		
$\delta = +10^\circ 22'$			Oct. 10 Ei.Y.	49.05	8.7 E.	Mag. corr.....	+0.006		1904		
1903			1906			B. D. +18° 305			Sept. 6 M.	7.13	28.1 E.
Sept. 19 Ei.Y.	52.44	52.7 W.	Oct. 15 Ei.P.	49.17	8.5 W.	$\alpha = 2^h 20^m$			8 M.	7.15	28.6
21 Ei.Y.	52.37	51.8 W.	Mean.....	49.108	8.55	$\delta = +18^\circ 27'$			16 T.	7.05	28.3
1904			Mag. corr.....	+0.008		1903			22 M.	7.15	29.0
Oct. 27 Ei.M.	52.37	52.4 E.	B. D. +14° 392			Sept. 19 Ei.Y.	39.86	18.5 W.	Oct. 23 M.	7.18	29.4 E.
1906			$\alpha = 2^h 18^m$			21 Ei.Y.	39.85	17.6 W.	1905		
Oct. 12 Ei.P.	52.43	52.9 W.	$\delta = +15^\circ 4'$			1904			Aug. 31 Br.	7.15	28.2 W.
Mean.....	52.402	52.45	1903			Oct. 27 Ei.M.	39.82	17.9 E.	Nov. 8 Bs.	7.15	28.8
Mag. corr.....	+0.001		Oct. 12 Ei.Y.	58.72	18.3 W.	1906			22 Bs.	7.20	28.3
κ Fornacis			13 Ei.Y.	58.77	18.2 W.	Mean.....	39.842	18.08	23 Hl.	7.20	28.5
$\alpha = 2^h 17^m 58^s.056$			1904			Mag. corr.....	0.000		29 Bs.	7.14	28.0 W.
$\delta = -24^\circ 16' 14''.94$			Oct. 29 Ei.M.	58.80	18.3 E.	Cassiopeiae			Mean.....	7.150	28.42
1904			1905			$\alpha = 2^h 20^m 49^s.304$			Mag. corr.....	+0.002	
Sept. 7 T.	+0.09	+1.2 E.	Dec. 4 Ei.Y.	58.80	18.3 W.	$\delta = +66^\circ 57' 10''.54$			B. D. +36° 491		
11 M.	+0.07	+0.1	Mean.....	58.772	18.28	1904			$\alpha = 2^h 21^m$		
Nov. 11 Br.	+0.13	+1.5	Mag. corr.....	+0.002		Dec. 1 Br.	+0.02	+0.6 E.	$\delta = +36^\circ 31'$		
18 Br.	+0.10	+0.3	ξ Arietis			8 Br.	+0.05	+1.9	1906		
1905			$\alpha = 2^h 19^m$			18 Br.	-0.07	+0.9	Sept. 5 Hl.	8.82	1.9 W.
Jan. 18 M.	+0.07	+0.9 E.	$\delta = +10^\circ 9'$			29 Br.	-0.06	+0.1 E.	9 Hl.	8.80	1.9
Aug. 21 Br.	0.00	+0.3 W.	1903			1905			Oct. 7 Hl.	8.81	1.6
29 Hl.	+0.13	+1.0	Oct. 20 Ei.Y.	27.43	28.3 W.	Nov. 25 Bs.	-0.10	+0.5 W.	14 Hl.	8.82	2.5 W.
Sept. 6 Bs.	+0.10	+0.8	22 Ei.Y.	27.41	27.9	Dec. 10 Hl.	-0.07	+0.8	Mean.....	8.812	1.98
8 Bs.	+0.06	+1.1	Dec. 14 M.	27.39	29.1	1906			Mag. corr.....	-0.001	
15 Bs.	+0.14	+0.8 W.	15 Br.	27.39	28.3	Jan. 1 Hl.	-0.23	+0.1	B. D. +22° 347		
Mean.....	+0.089	+0.85	16 R.	27.35	28.4	6 Hl.	-0.19	...	$\alpha = 2^h 21^m$		
Mag. corr.....	-0.004		22 Br.	27.39	28.7	Sept. 19 P.	-0.07	+0.2 W.	$\delta = +22^\circ 25'$		
B. D. +38° 472			29 Br.	27.36	29.2	1907			1903		
$\alpha = 2^h 18^m$			1904			Sept. 21 Hl.	-0.18	+0.7 E.	Sept. 28 Ei.Y.	18.69	43.5 W.
$\delta = +38^\circ 53'$			Jan. 15 M.	27.28	28.9	26 Hl.	-0.12	+0.7 E.	29 Ei.Y.	18.63	43.6 W.
1907			18 M.	27.36	29.6	1908			1904		
Dec. 18 P.	0.73	30.4 E.	24 Br.	27.41	29.7	Aug. 30 M.	-0.14	0.0 W.	Oct. 10 Ei.Y.	18.54	43.9 E.
19 M.	0.74	30.2 E.	27 R.	27.36	27.9	Sept. 7 P.	-0.08	+0.1 W.			
			30 R.	[27.37]	[28.6] W.	Mean.....	-0.083	+0.55			
			Oct. 18 Ei.Y.	27.34	28.6 E.	Mag. corr.....	+0.002				

1906	s	"	1905	s	"	B. D. +37° 560	1906	s	"
Oct. 15 Ei.P.	18.66	43.3 W.	Sept. 6 Bs.	0.00	+0.9 W.	$\alpha = 2^h 23^m$	Oct. 25 Ei.P.	5.87	3.2 W.
Mean.....	18.630	43.58	8 Bs.	-0.04	+0.6	$\delta = +37^\circ 46'$	Mean.....	5.872	3.42
Mag. corr....	-0.001		12 Hl.	0.00	+0.9		Mag. corr....	-0.006	
B. D. +9° 321			14 Hl.	+0.05	+1.4	1908	27 Arietis		
$\alpha = 2^h 21^m$			18 Bs.	+0.04	-0.1	Jan. 3 P.	$\alpha = 2^h 25^m$		
$\delta = +10^\circ 6'$			Oct. 3 Bs.	+0.07	+1.1	14 P.	$\delta = +17^\circ 15'$		
1903	s	"	12 Br.	+0.10	+1.2	Mean.....	7.890	41.45	
Oct. 12 Ei.Y.	23.72	55.3 W.	Dec. 5 Ei.Y.	-0.02	+0.4	Mag. corr....	+0.001		
13 Ei.Y.	23.80	54.6 W.	6 Ei.Y.	+0.03	+0.3	B. D. +14° 408			
1904			1906			$\alpha = 2^h 23^m$			
Oct. 29 Ei.M.	23.72	55.1 E.	Jan. 9 Br.	0.00	+0.8	$\delta = +15^\circ 9'$			
1905			16 Br.	+0.04	+0.9				
Dec. 4 Ei.Y.	23.74	55.3 W.	18 Hl.	+0.08	+0.4	1903			
Mean.....	23.745	55.08	Aug. 23 Br.	-0.02	...	Sept. 24 Ei.Y.	25.94	13.9 W.	
Mag. corr....	+0.014		30 Br.	0.00	... W.	25 Ei.Y.	25.84	13.0 W.	
B. D. +16° 293			1907			1904			
$\alpha = 2^h 22^m$			Aug. 24 P.	+0.01	+1.5 E.	Oct. 22 Ei.M.	25.91	13.3 E.	
$\delta = +16^\circ 11'$			29 Hl.	-0.01	+0.8	1906			
1903	s	"	30 M.	+0.08	+0.1	Oct. 8 Ei.P.	25.89	12.1 W.	
Nov. 9 Ei.Y.	1.37	43.2 W.	Sept. 6 M.	+0.03	+0.6	Mean.....	25.895	13.08	
23 Ei.Y.	1.37	42.5 W.	10 Hl.	+0.04	+0.4	Mag. corr....	-0.009		
1904			11 M.	+0.05	+0.4	B. D. +20° 404			
Oct. 18 Ei.Y.	1.35	43.3 E.	13 P.	+0.02	+0.7	$\alpha = 2^h 23^m$			
1906			Oct. 20 Hl.	+0.07	...	$\delta = +21^\circ 8'$			
Oct. 11 Ei.P.	1.36	43.4 W.	22 Hl.	-0.02	+1.0	1903			
Mean.....	1.362	43.10	Nov. 26 P.	+0.05	+0.9	Sept. 28 Ei.Y.	38.28	52.2 W.	
Mag. corr....	+0.008		Dec. 11 M.	+0.06	+0.5	29 Ei.Y.	38.25	52.9 W.	
B. D. +9° 323			12 Hl.	+0.07	+1.2	1904			
$\alpha = 2^h 22^m$			18 P.	+0.01	+1.0	Dec. 19 Ei.M.	38.31	52.5 E.	
$\delta = +9^\circ 45'$			19 M.	+0.07	+0.4	1906			
1903	s	"	21 P.	0.00	+0.6	Oct. 15 Ei.P.	38.35	52.5 W.	
Nov. 6 Ei.Y.	4.16	16.0 W.	23 M.	+0.03	...	Mean.....	38.298	52.52	
Dec. 7 Ei.Y.	4.09	15.3 W.	31 M.	+0.05	...	Mag. corr....	+0.001		
1904			1908			B. D. +8° 385			
Nov. 28 Ei.Y.	4.06	16.5 E.	Jan. 2 M.	+0.02	...	$\alpha = 2^h 24^m$			
1906			6 M.	+0.06	...	$\delta = +9^\circ 3'$			
Oct. 25 Ei.P.	4.07	15.6 W.	9 M.	0.00	...	1903			
Mean.....	4.095	15.85	10 P.	+0.02	+0.9	Oct. 12 Ei.Y.	14.86	9.8 W.	
Mag. corr....	+0.017		15 Ei.M.	+0.08	+0.3 E.	13 Ei.Y.	14.87	9.6 W.	
ξ^2 Ceti			Aug. 31 P.	0.00	-0.3 W.	1904			
$\alpha = 2^h 22^m 50^s.478$			Sept. 1 Fk.	+0.01	...	Oct. 29 Ei.M.	14.86	9.9 E.	
$\delta = +8^\circ 0' 42''.95$			2 M.	+0.01	...	1905			
1903	s	"	3 P.	+0.04	+1.0	Dec. 4 Ei.Y.	14.88	9.5 W.	
Sept. 15 Ei.Y.	+0.04	+0.8 W.	8 Fk.	+0.01	+0.4	Mean.....	14.868	9.70	
18 Ei.Y.	+0.07	+1.2	10 P.	+0.01	-0.2	Mag. corr....	+0.020		
22 Ei.Y.	-0.02	0.0	11 Fk.	+0.05	+0.8	B. D. +19° 365			
Oct. 20 Ei.Y.	+0.01	+0.1	Dec. 19 L.	+0.06	...	$\alpha = 2^h 25^m$			
22 Ei.Y.	+0.09	-0.6	23 L.	+0.04	... W.	$\delta = +19^\circ 24'$			
27 Ei.Y.	-0.06	+0.3	1909			1903			
29 Ei.Y.	+0.01	-0.2	Aug. 7 P.	[+0.04] [+0.7] E.		Nov. 9 Ei.Y.	1.84	40.7 W.	
1904			Dec. 22 L.	+0.01	+0.8	23 Ei.Y.	1.82	40.6 W.	
Jan. 14 Br.	0.00	+1.2	1910			1904			
27 R.	+0.03	+0.3 W.	Feb. 14 P.	.... [-0.1]		Oct. 18 Ei.Y.	1.91	41.0 E.	
Sept. 7 T.	+0.01	+1.5 E.	Sept. 20 L.	+0.01	+0.5	1906			
11 M.	-0.01	+0.2	Nov. 11 P.	+0.03	+0.3	Oct. 11 Ei.P.	1.87	41.2 W.	
15 M.	+0.02	+0.4	20 L.	+0.02	+0.8	Mean.....	1.860	40.88	
Oct. 10 Ei.Y.	+0.02	+0.4	1911			Mag. corr....	+0.022		
27 Ei.M.	+0.02	+0.4	Jan. 27 P.	+0.07	+0.7 E.	B. D. +10° 330			
Nov. 11 Br.	-0.03	+1.2	Mean.....	+0.026	+0.62	$\alpha = 2^h 25^m$			
18 Br.	+0.03	+0.4	Mag. corr....	+0.006		$\delta = +10^\circ 37'$			
30 Ei.Y.	+0.02	+1.2	B. D. +13° 395			1903			
1905			$\alpha = 2^h 23^m$			Sept. 19 Ei.Y.	6.97	49.1 W.	
Jan. 21 M.	+0.04	+0.9	$\delta = +13^\circ 25'$			21 Ei.Y.	6.93	47.9 W.	
28 M.	+0.05	+0.7 E.	1903	s	"	1904			
Aug. 21 Br.	-0.02	+0.4 W.	Sept. 19 Ei.Y.	6.97	49.1 W.	Oct. 16 Ei.M.	6.95	47.8 E.	
28 Br.	+0.05	+0.1	21 Ei.Y.	6.93	47.9 W.	1906			
29 Hl.	+0.03	+1.2 W.	1904			Oct. 12 Ei.P.	6.92	48.2 W.	
			Mean.....	6.942	48.25	Mean.....	6.942	48.25	
			Mag. corr....	-0.006		Mag. corr....	-0.006		

1908			1906			B. D. +15° 354			1905		
Jan. 2 M.	s	"	Jan. 9 Br.	s	"	$\alpha = 2^h 30^m$			Jan. 21 M.	s	"
6 M.	46.65	34.7 E.	16 Br.	-0.13	+0.5 W.	$\delta = +16^\circ 10'$			28 M.	+0.06	+0.3 E.
9 M.	46.68	34.8	18 Hl.	-0.11	+0.5				Aug. 31 Br.	+0.07	+0.7 E.
Dec. 19 L.	46.66	35.2 E.		-0.10	+0.4 W.				Sept. 6 Bs.	+0.04	+1.3 W.
23 L.	46.64	34.9 W.	1907			1903	s	"	8 Bs.	+0.04	+0.6
Mean.....	46.657	34.83	Aug. 30 M.	-0.05	+0.3 E.	Sept. 19 Ei.Y.	9.09	29.2 W.	12 Hl.	+0.02	+0.6
Mag. corr....	+0.003		Sept. 11 M.	0.00	-0.3	21 Ei.Y.	9.00	29.1 W.	18 Bs.	+0.05	+0.9
σ Ceti			Oct. 22 Hl.	-0.05	+0.3 E.	1904			21 Hl.	+0.03	-0.1
$\alpha = 2^h 27^m 20^s.777$			1908			Dec. 16 Ei.M.	9.08	29.6 E.	27 Hl.	+0.04	+0.6
$\delta = -15^\circ 41' 0''.70$			Aug. 31 P.	-0.09	-0.1 W.	1906			Nov. 23 Hl.	+0.10	+0.1
1904	s	"	Sept. 3 P.	-0.06	+0.4 W.	Oct. 15 Ei.P.	9.09	29.3 W.	Dec. 6 Ei.Y.	+0.07	+0.7
Sept. 6 M.	+0.05	+0.2 E.	Mean.....	-0.057	+0.39	Mean.....	9.065	29.30	29 Br.	+0.03	+0.5
8 M.	+0.12	+0.2	Mag. corr....	-0.001		Mag. corr....	-0.001			-0.01	+0.6 W.
16 T.	+0.20	-0.3	36 H. Cassiopeiae s. r.			B. D. +13° 411			1907		
22 M.	+0.08	-0.4	$\alpha = 2^h 23^m 30^s.968$			$\alpha = 2^h 30^m$			Sept. 10 Hl.	+0.03	+0.1 E.
Oct. 23 M.	+0.05	-0.5 E.	$\delta = +72^\circ 22' 51''.54$			$\delta = +13^\circ 19'$			12 Hl.	-0.02	...
1905			1905	s	"	1903	s	"	13 P.	+0.03	+1.0
Nov. 25 Bs.	+0.11	0.0 W.	June 13 Br.	-0.03	0.0 E.	Sept. 24 Ei.Y.	33.86	8.5 W.	15 M.	+0.04	+0.1
1906			15 M.	-0.14	+0.2	25 Ei.Y.	33.85	7.2 W.	21 Hl.	-0.01	+0.7
Jan. 1 Hl.	+0.06	+0.2	16 Br.	-0.01	+0.4	1904			Oct. 20 Hl.	+0.02	...
6 Hl.	+0.10	-0.4	17 Hl.	....	+0.1	Oct. 22 Ei.M.	33.90	6.9 E.	Nov. 26 P.	+0.02	+0.7
10 Bs.	+0.14	-0.8	1908			1906			Dec. 6 Hl.	-0.02	+0.6
Aug. 30 M.	+0.09	+0.2	Apr. 20 M.	+0.10	0.0 E.	Oct. 8 Ei.P.	33.88	6.0 W.	7 P.	+0.06	+0.6
Sept. 7 P.	+0.09	-0.3 W.	May 20 Fk.	+0.04	+0.6 W.	Mean.....	33.872	7.15	11 M.	+0.04	...
Mean.....	+0.099	-0.17	23 M.	-0.12	-0.5	Mag. corr....	+0.007		12 Hl.	+0.05	...
Mag. corr....	+0.003		25 M.	-0.09	+0.1	128 Hl. Ceti			1908		
B. D. +14° 419			June 2 P.	+0.14	-0.1	$\alpha = 2^h 30^m 36^s.464$			Jan. 10 P.	+0.06	+1.4 E.
$\alpha = 2^h 27^m$			4 M.	+0.01	-0.6 W.	$\delta = +6^\circ 24' 43''.20$			Sept. 8 Fk.	+0.02	+0.6 W.
$\delta = +14^\circ 35'$			Mean.....	-0.011	+0.02				1909		
1903	s	"	Mag. corr....	-0.002		1903	s	"	Jan. 20 L.	+0.06	+0.2 W.
Sept. 29 Ei.Y.	25.47	31.5 W.	B. D. +22° 268			Sept. 28 Ei.Y.	+0.10	0.0 W.	Aug. 7 P.	[+0.01] [+0.7] E.	
Oct. 20 Ei.Y.	25.45	31.1 W.	$\alpha = 2^h 28^m$			29 Ei.Y.	-0.01	+0.7 W.	Oct. 1 M.	+0.04	+0.2
1904			$\delta = +22^\circ 31'$			1904			30 P.	+0.05	0.0
Dec. 19 Ei.M.	25.43	31.4 E.	1903	s	"	Sept. 7 T.	+0.04	+1.8 E.	1910		
Oct. 12 Ei.P.	25.45	31.8 W.	Nov. 9 Ei.Y.	57.54	45.9 W.	11 M.	+0.05	+0.6	Feb. 14 P.	....	[+0.1]
Mean.....	25.450	31.45	23 Ei.Y.	57.46	45.7 W.	15 M.	+0.07	+1.0	1911		
Mag. corr....	+0.022		1904			Dec. 19 Ei.M.	+0.01	+0.4 E.	Jan. 9 M.	+0.06	+0.3 E.
B. D. +38° 506			Oct. 18 Ei.Y.	57.54	46.0 E.	1905			Mean.....	+0.036	+0.39
$\alpha = 2^h 27^m$			1906			Nov. 25 Bs.	+0.04	-0.3 W.	Mag. corr....	+0.001	
$\delta = +38^\circ 17'$			Oct. 11 Ei.P.	57.56	46.9 W.	Dec. 10 Hl.	+0.06	+1.0	B. D. +22° 372		
1908	s	"	Mean.....	57.525	46.12	1906			$\alpha = 2^h 30^m$		
Jan. 3 P.	55.80	42.9 E.	Mag. corr....	-0.003		Jan. 10 Bs.	+0.02	0.0	$\delta = +22^\circ 36'$		
14 P.	55.71	42.8 E.	B. D. +10° 340			30 Br.	+0.06	-0.2	1903	s	"
Mean.....	55.755	42.85	$\alpha = 2^h 29^m$			Sept. 19 P.	+0.06	+0.2	Oct. 12 Ei.Y.	59.64	59.9 W.
Mag. corr....	+0.003		$\delta = +11^\circ 9'$			Oct. 12 Ei.P.	+0.04	+0.9 W.	13 Ei.Y.	59.66	60.0 W.
B. D. +18° 325			1903	s	"	1907			1904		
$\alpha = 2^h 28^m$			Nov. 3 Ei.Y.	1.82	59.6 W.	Aug. 26 P.	+0.08	+0.4 E.	Oct. 29 Ei.M.	59.65	60.6 E.
$\delta = +18^\circ 26'$			6 Ei.Y.	1.92	60.0 W.	29 Hl.	+0.03	+1.0 E.	1905		
1903	s	"	1904			Mean.....	+0.046	+0.54	Dec. 4 Ei.Y.	59.68	60.4 W.
Oct. 12 Ei.Y.	1.00	21.2 W.	Nov. 28 Ei.Y.	1.88	59.8 E.	Mag. corr....	-0.007		Mean.....	59.658	60.22
13 Ei.Y.	1.00	20.6 W.	1906			ν Ceti			Mag. corr....	-0.001	
Oct. 29 Ei.M.	1.10	21.2 E.	Oct. 25 Ei.P.	1.88	59.4 W.	$\alpha = 2^h 30^m 37^s.496$			B. D. +39° 582		
Dec. 4 Ei.Y.	1.09	20.7 W.	Mean.....	1.875	59.70	$\delta = +5^\circ 9' 25''.17$			$\alpha = 2^h 31^m$		
Mean.....	1.048	20.92	Mag. corr....	+0.012		1903	s	"	$\delta = +39^\circ 27'$		
Mag. corr....	+0.014		B. D. +6° 392			Oct. 19 Ei.Y.	+0.10	+0.2 W.	1907	s	"
36 H. Cassiopeiae			$\alpha = 2^h 29^m$			20 Ei.Y.	+0.03	+0.2	Dec. 18 P.	4.39	39.6 E.
$\alpha = 2^h 28^m 30^s.971$			$\delta = +7^\circ 2'$			22 Ei.Y.	-0.01	-0.8	21 P.	4.38	39.9
$\delta = +72^\circ 22' 51''.54$			1903	s	"	Dec. 15 Br.	+0.03	-0.2	31 M.	4.35	40.2
1904	s	"	Sept. 15 Ei.Y.	46.35	10.2 W.	16 R.	+0.06	+0.1	1908		
Nov. 18 Br.	-0.05	+0.8 E.	18 Ei.Y.	46.35	10.5	22 Br.	+0.04	+0.6	Jan. 2 M.	4.33	39.7
20 Br.	+0.07	+1.1 E.	22 Ei.Y.	46.32	9.6 W.	31 Br.	+0.02	+0.1	6 M.	4.34	40.0
			1904			1904			9 M.	4.36	39.7 E.
			Nov. 30 Ei.Y.	46.40	10.6 E.	Jan. 14 Br.	+0.08	+0.6	Mean.....	4.358	39.85
			1905			15 M.	0.00	+0.4	Mag. corr....	+0.014	
			Dec. 5 Ei.Y.	46.30	9.6 W.	24 Br.	+0.08	+1.0	B. D. +20° 433		
			Mean.....	46.344	10.10	25 M.	+0.01	+0.1	$\alpha = 2^h 31^m$		
			Mag. corr....	+0.021		27 R.	+0.01	+0.4	$\delta = +20^\circ 15'$		
						30 R.	+0.03	+0.7 W.	1903	s	"
						Oct. 10 Ei.Y.	+0.02	-0.4 E.	Nov. 9 Ei.Y.	5.05	55.4 W.
						27 Ei.M.	+0.04	-0.1	23 Ei.Y.	4.94	55.3 W.
						1905					
						Jan. 4 M.	+0.02	-0.1 E.			

1904 Oct. 18 Ei.Y. 4.98 55.9 E. 1906 Oct. 11 Ei.P. 5.02 55.6 W. Mean..... 4.998 55.55 Mag. corr.... -0.005	1908 Dec. 19 L. 36.50 2.5 W. 23 L. 36.45 2.1 W. Mean..... 36.483 2.38 Mag. corr.... 0.000	1905 Aug. 21 Br. 20.94 29.5 W. 28 Br. 21.01 28.9 Sept. 14 Hl. 21.00 29.1 15 Bs. 21.00 29.9 Oct. 3 Bs. 20.74 29.6 W. Mean..... 20.989 29.23 Mag. corr.... -0.009	δ Ceti $\alpha = 2^h 34^m 21^s.381$ $\delta = -0^\circ 6' 9''.76$ 1903 Dec. 16 R. 0.00 +0.3 W. 1904 Jan. 27 R. -0.02 +0.5 30 R. 0.00 +0.9 W. Dec. 12 M. +0.06 +0.1 E. 19 Ei.M. -0.02 +0.6 1905 Jan. 4 M. -0.03 +0.3 21 M. +0.02 +0.9 28 M. +0.01 +1.1 E. Nov. 23 Hl. +0.03 +0.1 W. 25 Bs. -0.03 +0.3 Dec. 7 Ei.Y. +0.09 -0.3 29 Br. -0.02 +1.3 1906 Jan. 1 Hl. -0.02 +0.3 6 Hl. -0.06 +1.0 10 Bs. +0.07 +0.3 16 Br. +0.01 +0.6 24 Bs. +0.02 +1.5 29 Bs. +0.08 +0.2 30 Br. +0.01 0.0 W. 1907 Aug. 24 P. -0.04 +1.1 E. 29 Hl. 0.00 +0.9 Sept. 13 P. -0.02 +0.9 21 Hl. -0.05 +1.4 Nov. 19 Hl. +0.03 ... E. 1908 Aug. 31 P. +0.04 -0.3 W. 1909 Jan. 21 M. 0.00 +0.4 W. Oct. 1 M. +0.03 +0.3 E. 30 P. +0.05 -0.7 Dec. 24 P. -0.02 -0.4 1910 Jan. 10 M. +0.05 0.0 15 L. -0.02 +0.8 16 P. +0.06 +0.7 19 L. +0.03 +0.5 Sept. 20 L. -0.02 +0.2 22 L. +0.05 +0.2 26 P. +0.08 +0.1 Oct. 16 P. +0.01 0.0 28 P. -0.01 +1.0 Nov. 11 P. +0.06 +0.8 19 P. +0.06 ... Dec. 12 P. +0.07 -0.5 1911 Feb. 4 L. +0.03 +0.3 5 P. +0.05 +0.9 E. Mean..... +0.020 +0.45 Mag. corr.... -0.005
B. D. +11° 360 $\alpha = 2^h 31^m$ $\delta = +12^\circ 0'$ 1903 Nov. 3 Ei.Y. 10.70 51.4 W. 6 Ei.Y. 10.77 51.0 W. 1904 Nov. 28 Ei.Y. 10.75 50.9 E. 1906 Oct. 25 Ei.P. 10.76 51.1 W. Mean..... 10.745 51.10 Mag. corr.... -0.007	ν Arietis $\alpha = 2^h 33^m 8^s.196$ $\delta = +21^\circ 31' 44''.45$ 1903 Sept. 28 Ei.Y. -0.01 +0.7 W. 29 Ei.Y. +0.01 +0.7 Oct. 19 Ei.Y. +0.03 +0.6 W. 1904 Nov. 18 Br. +0.01 +0.7 E. 20 Br. +0.03 +0.8 Dec. 8 Br. -0.01 +0.6 18 Br. 0.00 +0.6 19 Ei.M. -0.02 +0.4 21 Ei.M. -0.04 +0.2 29 Br. +0.01 +0.4 1905 Jan. 30 Y. -0.07 +0.5 E. Nov. 29 Bs. -0.02 +0.4 W. Dec. 6 Ei.Y. 0.00 +0.9 12 Br. -0.03 +0.2 27 Br. +0.04 +0.4 1906 Jan. 5 Br. -0.01 +0.7 9 Br. 0.00 +1.2 Oct. 12 Ei.P. -0.01 +0.4 W. 1907 Aug. 30 M. +0.03 +0.2 E. Sept. 6 Hl. +0.02 -0.4 11 M. -0.03 +0.5 15 M. +0.01 +0.1 26 Hl. +0.06 +0.9 Oct. 20 Hl. +0.01 ... Dec. 11 M. +0.01 +1.0 12 Hl. -0.04 +1.7 19 M. +0.06 +0.9 23 M. -0.01 ... 1908 Jan. 3 P. -0.01 +1.4 10 P. -0.01 +1.3 14 P. +0.01 +0.5 E. Aug. 30 M. +0.02 +0.7 W. Sept. 7 P. 0.00 +0.9 10 P. -0.02 +0.6 1909 Jan. 2 L. -0.02 +0.1 18 M. +0.03 +0.4 19 P. +0.02 +0.8 21 M. +0.01 ... W. Aug. 7 P. [-0.01] [+1.1] E. 1910 Feb. 16 P. ... [+0.2] Aug. 26 P. +0.01 +1.3 Oct. 20 M. +0.04 +0.8 22 L. 0.00 +0.8 23 M. 0.00 +0.8 24 P. +0.01 +0.8 25 L. -0.04 +1.3 E. Mean..... +0.002 +0.68 Mag. corr.... -0.002	142 H ¹ . Cephei s. p. $\alpha = 2^h 33^m$ $\delta = +81^\circ 1'$ 1906 Jan. 29 Br. 21.12 29.3 W. 1907 June 3 M. 21.23 29.4 E. 21 M. 21.27 28.5 1908 Feb. 24 Hl. 21.25 28.4 Mar. 2 Hl. 20.81 28.5 3 P. 21.13 29.3 E. May 2 Fk. 21.02 29.0 W. 10 P. 21.08 28.5 12 P. 21.15 28.8 20 Fk. 21.05 29.4 W. Mean..... 21.111 28.91 Mag. corr.... -0.004 B. D. +14° 439 $\alpha = 2^h 33^m$ $\delta = +14^\circ 25'$ 1903 Oct. 12 Ei.Y. 30.32 42.6 W. 13 Ei.Y. 30.27 42.4 W. 1904 Oct. 29 Ei.M. 30.29 42.6 E. 1905 Dec. 4 Ei.Y. 30.35 42.7 W. Mean..... 30.308 42.58 Mag. corr.... +0.008 B. D. +8° 407 $\alpha = 2^h 33^m$ $\delta = +8^\circ 29'$ 1903 Nov. 3 Ei.Y. 39.28 18.0 W. 6 Ei.Y. 39.34 17.0 W. 1904 Oct. 18 Ei.Y. 39.21 17.5 E. 1906 Oct. 11 Ei.P. 39.24 17.8 W. Mean..... 39.268 17.58 Mag. corr.... +0.001 B. D. +10° 352 $\alpha = 2^h 33^m$ $\delta = +10^\circ 12'$ 1903 Nov. 9 Ei.Y. 40.25 23.9 W. 23 Ei.Y. 40.22 24.1 W. 1904 Nov. 28 Ei.Y. 40.30 24.4 E. 1906 Oct. 25 Ei.P. 40.25 24.2 W. Mean..... 40.255 24.15 Mag. corr.... +0.014	B. D. +17° 414 $\alpha = 2^h 34^m$ $\delta = +18^\circ 10'$ 1903 Sept. 15 Ei.Y. 57.62 9.2 W. 18 Ei.Y. 57.61 9.8 22 Ei.Y. 57.68 9.0 W. 1904 Nov. 30 Ei.Y. 57.61 9.6 E. 1905 Dec. 5 Ei.Y. 57.61 9.2 W. Mean..... 57.626 9.36 Mag. corr.... +0.002
B. D. +24° 376 $\alpha = 2^h 31^m$ $\delta = +24^\circ 12'$ 1903 Sept. 18 Ei.Y. 14.46 44.3 W. 22 Ei.Y. 14.41 43.5 28 Ei.Y. 14.41 42.9 W. 1904 Nov. 30 Ei.Y. 14.35 44.6 E. 1905 Dec. 5 Ei.Y. 14.43 43.8 W. Mean..... 14.412 43.82 Mag. corr.... +0.016 B. D. +7° 402 $\alpha = 2^h 31^m$ $\delta = +7^\circ 17'$ 1903 Sept. 19 Ei.Y. 17.17 42.2 W. 21 Ei.Y. 17.16 40.2 W. 1904 Dec. 16 Ei.M. 17.10 41.3 E. 1906 Oct. 15 Ei.P. 17.13 40.7 W. Mean..... 17.140 41.10 Mag. corr.... +0.023 B. D. +22° 375 $\alpha = 2^h 32^m$ $\delta = +22^\circ 41'$ 1903 Sept. 24 Ei.Y. 6.38 44.3 W. 25 Ei.Y. 6.42 43.3 W. 1904 Oct. 22 Ei.M. 6.40 42.8 E. 1906 Oct. 8 Ei.P. 6.37 42.2 W. Mean..... 6.392 43.15 Mag. corr.... -0.003 B. D. +38° 527 $\alpha = 2^h 32^m$ $\delta = +38^\circ 43'$ 1906 Sept. 5 Hl. 36.47 2.5 W. 9 Hl. 36.51 2.3 Oct. 7 Hl. 36.48 2.4 14 Hl. 36.49 2.5 W.	142 H ¹ . Cephei $\alpha = 2^h 33^m$ $\delta = +81^\circ 1'$ 1904 Sept. 6 M. 21.14 29.5 E. 8 M. 21.04 29.1 16 T. 20.95 29.0 22 M. 21.18 28.9 Oct. 23 M. 20.89 28.8 E.		

B. D. +12° 370			1908			B. D. +36° 543			1908		
$\alpha = 2^h 34^m$			s			$\alpha = 2^h 37^m$			s		
$\delta = +13^\circ 5'$			May 23 M.			$\delta = +36^\circ 30'$			Sept. 2 M.		
1903			25 M.			1907			10 P.		
Sept. 19	Ei. Y.	59.64	June 1 Fk.			Dec. 19 M.	7.72	48.4 E.	Nov. 29 P.		
21	Ei. Y.	59.71	19 P.			23 M.	7.68	48.8	Dec. 29 P.		
1904			Mean.....			1908			1909		
Dec. 16	Ei. M.	59.64	Mag. corr....			Jan. 3 P.	7.66	49.3	Jan. 2 L.		
1906			B. D. +9° 353			14 P.	7.67	49.6 E.	18 M.		
Oct. 15	Ei. P.	59.66	$\alpha = 2^h 36^m$			Dec. 19 L.	7.74	48.2 W.	19 P.		
Mean.....			$\delta = +10^\circ 7'$			23 L.	7.71	48.6 W.	20 L.		
Mag. corr....			1903			Mean.....			21 M.		
B. D. +15° 367			Sept. 28 Ei. Y.			0.697			Oct. 1 M.		
$\alpha = 2^h 35^m$			29 Ei. Y.			θ Persei			28 M.		
$\delta = +15^\circ 15'$			1904			$\alpha = 2^h 37^m 22^s.204$			30 P.		
1903			Dec. 19 Ei. M.			$\delta = +48^\circ 48' 19''.73$			Nov. 25 M.		
Sept. 24	Ei. Y.	9.22	1905			1904			Dec. 22 L.		
25	Ei. Y.	9.17	Dec. 6 Ei. Y.			Dec. 8 Br.			24 P.		
1904			Mean.....			18 Br.			1910		
Oct. 22	Ei. M.	9.18	Mag. corr....			29 Br.			Jan. 16 P.		
1906			μ Arietis			1905			19 L.		
Oct. 8	Ei. P.	9.16	$\alpha = 2^h 36^m$			Jan. 30 Y.			25 P.		
Mean.....			$\delta = +19^\circ 35'$			Oct. 12 Br.			Feb. 14 P.		
Mag. corr....			1903			Nov. 29 Bs.			Aug. 26 P.		
B. D. +38° 539			Oct. 12 Ei. Y.			Dec. 12 Br.			Sept. 22 L.		
$\alpha = 2^h 35^m$			13 Ei. Y.			27 Br.			26 P.		
$\delta = +39^\circ 6'$			1904			1906			Oct. 16 P.		
1907			Sept. 7 Ei. Y.			Jan. 5 Br.			20 M.		
Dec. 21 P.	22.06	34.0 E.	11 M.			1907			22 L.		
31 M.	22.12	34.1	15 M.			Dec. 12 Hl.			23 M.		
1908			Oct. 29 Ei. M.			Mean.....			24 P.		
Jan. 2 M.	22.05	33.1	1905			+0.006			25 L.		
6 M.	22.09	33.6	Aug. 31 Br.			Mag. corr....			1911		
9 M.	22.08	33.5 E.	Sept. 6 Bs.			35 Arietis			Feb. 4 L.		
Mean.....			8 Bs.			$\alpha = 2^h 37^m$			5 P.		
Mag. corr....			18 Bs.			$\delta = +27^\circ 16'$			Mean.....		
118 H ¹ . Cassiopeiae			21 Hl.			1904			+0.060		
$\alpha = 2^h 36^m$			Dec. 4 Ei. Y.			Sept. 8 M.			Mag. corr....		
$\delta = +67^\circ 23'$			1907			22 M.			B. D. +17° 426		
1903			Dec. 7 P.			26 T.			$\alpha = 2^h 38^m$		
Dec. 15 Br.	13.02	58.3 W.	11 M.			Nov. 18 Br.			$\delta = +17^\circ 20'$		
31 Br.	13.02	59.1	Mean.....			1905			1903		
1904			Mag. corr....			Aug. 28 Br.			Sept. 15 Ei. Y.		
Jan. 24 Br.	13.04	59.0	B. D. +16° 330			29 Hl.			18 Ei. Y.		
25 M.	12.92	58.9	$\alpha = 2^h 36^m$			Sept. 24 Hl.			22 Ei. Y.		
1905			$\delta = +16^\circ 31'$			26 Bs.			Nov. 30 Ei. Y.		
Sept. 27 Hl.	12.97	59.7 W.	1903			29 Hl.			1905		
1907			Oct. 19 Ei. Y.			34.91			Dec. 5 Ei. Y.		
Aug. 26 P.	13.04	59.8 E.	Nov. 3 Ei. Y.			34.94			Mean.....		
Sept. 6 M.	13.06	59.5	1904			34.94			44.170		
10 Hl.	13.09	59.6	Oct. 18 Ei. Y.			34.87			Mag. corr....		
26 Hl.	13.07	59.4	Oct. 11 Ei. P.			34.89			B. D. +14° 457		
Nov. 26 P.	13.19	59.2 E.	Mean.....			Mean.....			$\alpha = 2^h 39^m$		
Mean.....			Mag. corr....			34.917			$\delta = +14^\circ 53'$		
Mag. corr....			B. D. +10° 360			Mag. corr....			1903		
118 H ¹ . Cassiopeiae s. p.			$\alpha = 2^h 37^m$			γ Ceti			Sept. 19 Ei. Y.		
$\alpha = 2^h 36^m$			$\delta = +10^\circ 18'$			$\alpha = 2^h 38^m 7^s.002$			21 Ei. Y.		
$\delta = +67^\circ 23'$			1903			$\delta = +2^\circ 48' 50''.77$			1904		
1904			Nov. 9 Ei. Y.			1904			Dec. 16 Ei. M.		
June 18 M.	13.04	59.0 W.	23 Ei. Y.			Jan. 30 R.			1906		
1905			1904			Dec. 12 M.			Oct. 25 Ei. P.		
Jan. 19 Br.	13.09	59.9 E.	Nov. 28 Ei. Y.			21 Ei. M.			Mean.....		
Feb. 17 M.	12.94	(61.9)	1906			Jan. 4 M.			2.255		
Mar. 25 Br.	13.05	59.2	Oct. 25 Ei. P.			21 M.			Mag. corr....		
27 Br.	13.08	60.1	Mean.....			28 M.			π Ceti		
31 M.	12.93	59.3 E.	Mag. corr....			Dec. 7 Ei. Y.			$\alpha = 2^h 39^m 21^s.750$		
			+0.020			1906			$\delta = -14^\circ 16' 55''.68$		
						Jan. 30 Br.			1905		
						Sept. 19 P.			Nov. 25 Bs.		
						Oct. 15 Ei. P.			1906		
						1907			Jan. 6 Hl.		
						Sept. 15 M.			9 Br.		
						Nov. 19 Hl.			10 Bs.		
						1908			16 Br.		
						Aug. 30 M.			18 Hl.		
						31 P.					

1907			1910			1908			1904		
Aug. 30 M.	+0.05	-0.4 E.	Oct. 23 M.	+0.11	+0.2 E.	Dec. 19 L.	12.82	19.2 W.	Dec. 19 Ei.M.	1.64	25.3 E.
Sept. 11 M.	+0.06	+0.5	24 P.	+0.09	+0.4	23 L.	12.76	18.9 W.	1905		
13 P.	+0.07	0.0	25 L.	+0.08	+0.9	Mean.....	12.790	19.25	Dec. 6 Ei.Y.	1.58	25.2 W.
Nov. 26 P.	+0.12	-0.2	28 P.	+0.05	+0.5	Mag. corr....	+0.006		Mean.....	1.585	25.40
Dec. 7 P.	+0.09	-0.3	Nov. 11 P.	0.00	+0.3				Mag. corr....	+0.003	
1910			19 P.	+0.05	...	B. D. +22° 392			B. D. +19° 424		
Jan. 10 M.	+0.06	+0.6	1911			$\alpha = 2^h 41^m$			$\alpha = 2^h 42^m$		
15 L.	+0.10	+1.4	Jan. 9 M.	+0.06	+0.9 E.	$\delta = +22^\circ 32'$			$\delta = +19^\circ 35'$		
Feb. 5 L.	+0.10	+1.8 E.	Mean.....	+0.047	+0.29	1903			1903		
Mean.....	+0.075	+0.52	Mag. corr....	+0.004		Sept. 15 Ei.Y.	31.44	30.1 W.	Oct. 12 Ei.Y.	40.88	33.3 W.
Mag. corr....	+0.005		B. D. +13° 442			18 Ei.Y.	31.50	30.1	13 Ei.Y.	40.87	33.3 W.
B. D. +11° 377			$\alpha = 2^h 39^m$			22 Ei.Y.	31.50	30.0 W.	1904		
$\alpha = 2^h 39^m$			$\delta = +13^\circ 48'$			1904			Dec. 21 Ei.M.	40.83	33.9 E.
$\delta = +12^\circ 1'$			1903			Nov. 30 Ei.Y.	31.49	30.0 E.	1905		
1903			Oct. 19 Ei.Y.	33.54	56.5 W.	Dec. 5 Ei.Y.	31.44	29.6 W.	Dec. 4 Ei.Y.	40.86	33.3 W.
Sept. 24 Ei.Y.	30.69	31.4 W.	Nov. 3 Ei.Y.	33.53	56.4 W.	Mean.....	31.474	29.96	Mean.....	40.860	33.45
25 Ei.Y.	30.64	30.6 W.	1904			Mag. corr....	+0.008		Mag. corr....	-0.005	
1904			Oct. 18 Ei.Y.	33.47	56.1 E.	B. D. +20° 462			B. D. +39° 642		
Oct. 22 Ei.M.	30.61	30.5 E.	1906			$\alpha = 2^h 41^m$			$\alpha = 2^h 42^m$		
1906			Oct. 11 Ei.P.	33.54	56.4 W.	$\delta = +20^\circ 55'$			$\delta = +40^\circ 3'$		
Oct. 8 Ei.P.	30.64	29.6 W.	Mean.....	33.520	56.35	1903			1908		
Mean.....	30.645	30.52	Mag. corr....	+0.002		Sept. 19 Ei.Y.	46.58	35.0 W.	Jan. 3 P.	54.19	46.7 E.
Mag. corr....	-0.001		B. D. +39° 628			21 Ei.Y.	46.54	34.7 W.	14 P.	54.19	46.9 E.
μ Ceti			$\alpha = 2^h 39^m$			1904			Mean.....	54.190	46.80
$\alpha = 2^h 39^m 32^s.257$			$\delta = +40^\circ 11'$			Dec. 16 Ei.M.	46.51	35.0 E.	Mag. corr....	0.000	
$\delta = +9^\circ 41' 31''.24$			1907			1906			B. D. +17° 442		
1903			Dec. 21 P.	37.78	27.3 E.	Oct. 25 Ei.P.	46.47	35.2 W.	$\alpha = 2^h 42^m$		
Sept. 28 Ei.Y.	+0.09	+0.1 W.	31 M.	37.85	27.9	Mean.....	46.525	34.98	$\delta = +17^\circ 52'$		
29 Ei.Y.	-0.01	+0.9	1908			Mag. corr....	-0.003		1903		
Dec. 16 R.	+0.06	-0.1	Jan. 2 M.	37.71	27.2	B. D. +18° 347 (fol.)			Oct. 19 Ei.Y.	55.62	2.2 W.
1904			6 M.	37.79	27.0	$\alpha = 2^h 41^m$			Nov. 3 Ei.Y.	55.56	2.5 W.
Jan. 27 R.	-0.01	0.0 W.	9 M.	37.83	26.9 E.	$\delta = +18^\circ 57'$			1904		
Oct. 29 Ei.M.	+0.03	+0.2 E.	Mean.....	37.792	27.26	1903			Oct. 18 Ei.Y.	55.51	2.3 E.
Dec. 19 Ei.M.	+0.06	+0.3 E.	Mag. corr....	+0.005		Sept. 24 Ei.Y.	48.83	25.7 W.	1906		
1905			B. D. +16° 342			25 Ei.Y.	48.78	25.2 W.	Oct. 11 Ei.P.	55.56	2.4 W.
Dec. 6 Ei.Y.	+0.04	+1.1 W.	$\alpha = 2^h 40^m$			1904			Mean.....	55.562	2.35
1906			$\delta = +16^\circ 35'$			Oct. 22 Ei.M.	48.75	25.0 E.	Mag. corr....	+0.023	
Jan. 24 Bs.	+0.08	+1.0	1903			1906			η Persei		
29 Bs.	+0.08	+0.1	Oct. 12 Ei.Y.	9.28	56.2 W.	Oct. 8 Ei.P.	48.68	23.6 W.	$\alpha = 2^h 43^m$		
Sept. 5 Hl.	+0.06	+0.2	13 Ei.Y.	9.30	55.9 W.	Mean.....	48.760	24.88	$\delta = +55^\circ 28'$		
9 Hl.	+0.01	+0.2	1904			Mag. corr....	+0.008		1904		
Oct. 7 Hl.	+0.04	0.0	Dec. 21 Ei.M.	9.36	56.4 E.	39 Arietis			Feb. 2 Br.	23.84	50.2 W.
14 Hl.	+0.06	+0.3 W.	1905			$\alpha = 2^h 41^m$			Sept. 7 T.	24.06	50.0 E.
1907			Dec. 4 Ei.Y.	9.35	56.2 W.	$\delta = +28^\circ 49'$			11 M.	23.87	50.6
Sept. 6 M.	+0.10	+0.4 E.	Mean.....	9.322	56.18	1903			15 M.	23.93	51.9
Nov. 19 Hl.	+0.03	...	Mag. corr....	+0.002		Dec. 31 Br.	57.23	54.4 W.	Oct. 23 M.	23.89	49.6
1908			B. D. +18° 344			1904			Nov. 18 Br.	23.92	50.3
Jan. 15 M.	0.00	+0.4	$\alpha = 2^h 40^m$			Jan. 18 M.	57.23	54.8	20 Br.	23.95	50.4 E.
20 Hl.	+0.02	0.0	$\delta = +18^\circ 25'$			24 Br.	57.24	55.1	1905		
24 Hl.	+0.03	-0.7 E.	1903			25 M.	57.13	54.3 W.	Aug. 31 Br.	23.84	50.4 W.
Sept. 8 Fk.	-0.03	+0.8 W.	Nov. 9 Ei.Y.	43.50	1.5 V.	Sept. 6 M.	57.18	54.2 E.	Sept. 12 Hl.	23.86	49.7
14 P.	+0.01	+0.3	23 Ei.Y.	43.55	3.8 W.	8 M.	57.21	54.2	18 Bs.	23.91	50.0
Dec. 29 P.	+0.07	+0.1	1904			16 T.	57.15	54.3	Dec. 12 Br.	23.84	50.4 W.
1909			Nov. 28 Ei.Y.	43.50	2.2 E.	22 M.	57.18	54.1	Mean.....	23.901	50.32
Jan. 2 L.	+0.04	-0.5	1905			26 T.	57.32	54.6 E.	Mag. corr....	-0.008	
18 M.	+0.04	0.0	Dec. 7 Ei.Y.	43.55	1.6 W.	1905			B. D. +16° 355		
19 P.	+0.01	+0.9	Mean.....	43.525	2.28	Nov. 29 Bs.	57.25	54.5 W.	$\alpha = 2^h 43^m$		
20 L.	+0.08	-0.1 W.	Mag. corr....	-0.005		Mean.....	57.212	54.45	$\delta = +17^\circ 2'$		
Aug. 7 P.	[+0.05] [+0.6] E.		B. D. +37° 634			Mag. corr....	+0.006		1903		
Oct. 1 M.	+0.01	+0.1	$\alpha = 2^h 41^m$			B. D. +8° 424			Nov. 9 Ei.Y.	42.62	54.8 W.
28 M.	+0.01	+1.1	$\delta = +37^\circ 22'$			$\alpha = 2^h 42^m$			23 Ei.Y.	42.62	54.4 W.
Nov. 25 M.	+0.07	-0.4	1907			$\delta = +8^\circ 53'$			1904		
1910			Dec. 19 M.	12.78	19.5 E.	1903			Nov. 28 Ei.Y.	42.67	54.6 E.
Jan. 4 P.	+0.04	+0.4	23 M.	12.80	19.4 E.	Sept. 28 Ei.Y.	1.59	25.4 W.			
7 P.	+0.06	+0.4				29 Ei.Y.	1.53	25.7 W.			
8 L.	+0.17	+0.3									
19 L.	+0.03	+0.8									
20 M.	+0.04	-0.4									
25 P.	+0.04	+0.9									
Feb. 1 M.	+0.08	0.0									
Aug. 26 P.	+0.08	+0.4									
Sept. 21 M.	+0.06	+0.5									
Oct. 20 M.	+0.01	-0.6 E.									

1905			1905			1904			1908		
Dec. 7 Ei.Y.	42.64	54.7 W.	Dec. 5 Ei.Y.	26.48	29.6 W.	Dec. 21 Ei.M.	3.31	54.9 E.	Sept. 7 P.	+0.05	+1.2 W.
Mean.....	42.638	54.62	Mean.....	26.512	29.74	1905			8 Fk.	-0.01	+1.2
Mag. corr....	-0.002		Mag. corr....	+0.005		Dec. 4 Ei.Y.	3.35	54.2 W.	1909		
41 Arietis			B. D. +13° 456			Mean.....	3.330	54.48	Jan. 21 M.	+0.05	+0.8 W.
$\alpha = 2^h 44^m 5^s.771$			$\alpha = 2^h 44^m$			Mag. corr....	+0.016		Oct. 28 M.	+0.03	+1.0 E.
$\delta = +26^\circ 50' 53''.66$			$\delta = +13^\circ 17'$						Nov. 25 M.	+0.08	+1.0
1903			1903			B. D. +39° 650			Dec. 22 L.	+0.03	+1.6
Dec. 7 Ei.Y.	+0.06	-0.6 W.	Sept. 19 Ei.Y.	43.91	46.5 W.	$\alpha = 2^h 45^m$			1910		
1904			21 Ei.Y.	43.81	46.5 W.	$\delta = +39^\circ 43'$			Jan. 19 L.	+0.08	+1.8
Jan. 30 R.	+0.03	+0.4 W.	1904			1907			Feb. 15 P.	....	[+0.4]
Oct. 29 Ei.M.	-0.01	0.0 E.	Dec. 16 Ei.M.	43.86	46.5 E.	Dec. 31 M.	25.02	28.4 E.	16 P.	....	[+0.1]
Dec. 12 M.	+0.01	0.0	1906			1908			Sept. 21 M.	+0.05	+1.2
1905			Oct. 25 Ei.P.	43.79	47.0 W.	Jan. 2 M.	24.95	27.7	22 L.	+0.01	+1.7
Jan. 4 M.	-0.01	+0.5	Mean.....	43.842	46.62	6 M.	25.02	28.0 E.	26 P.	+0.01	+0.9
14 Ei.M.	-0.02	+0.3	Mag. corr....	0.000		Mean.....	24.997	28.03	Nov. 11 P.	+0.04	+0.9
21 M.	0.00	0.0	B. D. +21° 380			Mag. corr....	-0.002		1911		
28 M.	-0.01	+0.2 E.	$\alpha = 2^h 44^m$			B. D. +36° 582			Jan. 9 M.	+0.07	+1.4
Aug. 21 Br.	+0.02	+0.2 W.	$\delta = +21^\circ 42'$			$\alpha = 2^h 45^m$			Feb. 4 L.	-0.03	+0.5 E.
28 Br.	+0.05	-0.2	1903			$\delta = +36^\circ 40'$			Mean.....	+0.025	+0.96
29 Hl.	....	+0.4	Sept. 24 Ei.Y.	50.72	2.3 W.	1906			Mag. corr....	-0.004	
Sept. 6 Bs.	+0.10	-0.1	25 Ei.Y.	50.71	1.4 W.	Sept. 5 Hl.	56.40	57.2 W.	τ^2 Eridani		
8 Bs.	+0.04	+0.3	1904			9 Hl.	56.53	56.9	$\alpha = 2^h 46^m 30^s.058$		
14 Hl.	+0.03	(+2.7)	Oct. 22 Ei.M.	50.65	1.0 E.	14 Hl.	56.48	56.6 W.	$\delta = -21^\circ 24' 57''.82$		
15 Bs.	0.00	-0.1	1906			1907			1905		
24 Hl.	+0.06	+1.0	Oct. 8 Ei.P.	50.67	0.9 W.	Dec. 19 M.	56.47	57.0 E.	Nov. 29 Bs.	+0.14	-0.4 W.
29 Hl.	+0.08	+1.0	Mean.....	50.688	1.40	23 M.	56.44	57.0 E.	Dec. 12 Br.	+0.14	-0.4
Oct. 3 Bs.	+0.04	+0.4	Mag. corr....	-0.006		1908			27 Br.	+0.16	+0.5
12 Br.	+0.07	+0.2	B. D. +11° 398			Dec. 19 L.	56.50	56.9 W.	1906		
Nov. 23 Hl.	-0.04	+0.5	$\alpha = 2^h 44^m$			23 L.	56.45	56.5 W.	Jan. 5 Br.	+0.17	+0.6
Dec. 13 Ei.Y.	+0.07	+0.1	$\delta = +11^\circ 12'$			Mean.....	56.469	56.87	9 Br.	+0.14	+0.2 W.
1906			1903			Mag. corr....	+0.001		1907		
Sept. 19 P.	+0.08	+0.4 W.	Sept. 28 Ei.Y.	53.02	3.7 W.	σ Arietis			Aug. 30 M.	+0.09	0.0 E.
1907			29 Ei.Y.	53.00	4.0 W.	$\alpha = 2^h 45^m 58^s.219$			Sept. 11 M.	+0.15	+0.4
Aug. 26 P.	-0.01	-0.1 E.	1904			$\delta = +14^\circ 40' 11''.87$			15 M.	+0.11	-0.1
Sept. 12 Hl.	+0.05	....	Dec. 19 Ei.M.	53.02	3.9 E.	1903			26 Hl.	+0.10	0.0
21 Hl.	+0.03	+0.4	1905			Oct. 19 Ei.Y.	+0.01	+0.7 W.	Dec. 11 M.	+0.16	+0.1
Nov. 19 Hl.	+0.07	....	Dec. 6 Ei.Y.	53.03	3.3 W.	Nov. 3 Ei.Y.	+0.03	+0.9	1910		
Dec. 11 M.	+0.04	....	Mean.....	53.018	3.72	6 Ei.Y.	0.00	+0.2	Jan. 4 P.	+0.12	-0.2
12 Hl.	+0.02	....	Mag. corr....	-0.006		Dec. 3 Ei.Y.	+0.02	+0.5	7 P.	+0.14	-0.5
18 P.	+0.17	....	β Fornacis			7 Ei.Y.	-0.01	+0.9	8 L.	+0.10	+0.5
1908			$\alpha = 2^h 44^m 54^s.365$			31 Br.	+0.06	+1.0	10 M.	+0.15	+1.1
Jan. 10 P.	0.00	+0.4	$\delta = -32^\circ 49' 32''.09$			1904			15 L.	+0.08	+0.9
15 M.	0.00	-0.5 E.	1904			Jan. 24 Br.	+0.05	+1.7	25 P.	+0.09	+0.5
Sept. 10 P.	+0.05	0.0 W.	Dec. 8 Br.	+0.04	+2.0 E.	25 M.	-0.02	+0.8	Feb. 1 M.	+0.06	+0.4
14 P.	+0.03	+0.8	1905			27 R.	+0.01	+0.9	Dec. 29 M.	+0.09	-1.1 E.
Nov. 29 P.	+0.02	.... W.	Jan. 30 Y.	+0.05	+2.0 E.	Feb. 3 R.	0.00	+1.0 W.	Mean.....	+0.122	+0.14
1909			Nov. 25 Bs.	-0.05	+1.9 W.	Sept. 6 M.	+0.03	+0.9 E.	Mag. corr....	-0.002	
Aug. 8 L.	[-0.01]	[+0.1] E.	1906			8 M.	+0.05	+0.5	τ Persei		
Oct. 1 M.	+0.06	-0.2	Jan. 29 Bs.	+0.04	+0.6	16 T.	+0.05	+0.2	$\alpha = 2^h 47^m 9^s.861$		
28 M.	+0.03	+0.7	30 Br.	+0.07	+0.7 W.	22 M.	0.00	+0.8	$\delta = +52^\circ 21' 11''.99$		
30 P.	+0.01	-0.3	1907			26 T.	+0.03	+0.7	1905		
Dec. 24 P.	-0.01	0.0	Aug. 29 Hl.	+0.12	+1.6 E.	Oct. 18 Ei.Y.	+0.03	+1.0	Aug. 28 Br.	+0.05	-0.7 W.
1910			Sept. 13 P.	+0.13	+1.0	23 M.	+0.04	+0.4	Sept. 26 Bs.	+0.01	+0.9
Jan. 20 M.	+0.03	-0.5	Nov. 26 P.	+0.06	+1.4 E.	Nov. 20 Br.	+0.02	+0.8	Oct. 3 Bs.	+0.04	+0.8
Feb. 16 P.	....	[-0.6]	1908			Dec. 16 Ei.M.	+0.04	+0.9	12 Br.	+0.03	+0.1
Aug. 26 P.	-0.01	-0.1	Aug. 30 M.	+0.07	+1.4 W.	19 Ei.M.	0.00	+1.0	1906		
27 L.	0.00	+0.5	31 P.	+0.06	-0.1 W.	1905			Jan. 16 Br.	-0.06	+0.6
1911			Mean.....	+0.059	+1.25	Jan. 14 Ei.M.	+0.07	+1.2 E.	24 Bs.	+0.04	0.0 W.
Jan. 20 P.	+0.08	+0.4 E.	Mag. corr....	+0.005		Dec. 5 Ei.Y.	0.00	+1.3 W.	1907		
Mean.....	+0.032	+0.18	B. D. +18° 259			6 Ei.Y.	+0.05	+1.1	Aug. 26 P.	+0.03	0.0 E.
Mag. corr....	-0.004		$\alpha = 2^h 45^m$			7 Ei.Y.	+0.02	+0.7	Sept. 6 M.	+0.07	-0.5
B. D. +12° 392			$\delta = +12^\circ 14'$			13 Ei.Y.	+0.03	+1.3	Oct. 25 Hl.	+0.01	+0.1
1903			1903			1906			Dec. 12 Hl.	+0.10	+1.1
Sept. 15 Ei.Y.	26.55	29.8 W.	Oct. 12 Ei.Y.	3.35	54.1 W.	Jan. 18 Hl.	+0.04	+1.1	21 P.	-0.02	+0.1 E.
18 Ei.Y.	26.51	29.7	13 Ei.Y.	3.31	54.7 W.	Oct. 11 Ei.P.	-0.03	+0.9	Mean.....	+0.027	+0.23
22 Ei.Y.	26.50	29.4 W.	B. D. +13° 44'			25 Ei.P.	-0.01	+0.2	Mag. corr....	-0.009	
1904			1903			1908			B. D. +15° 400		
Nov. 30 Ei.Y.	26.52	30.2 E.	Oct. 12 Ei.Y.	3.35	54.1 W.	Sept. 1 Fk.	+0.02	....	$\alpha = 2^h 47^m$		
			13 Ei.Y.	3.31	54.7 W.	3 P.	-0.01	+1.5 W.	$\delta = +16^\circ 4'$		
									1903		
									Nov. 23 Ei.Y.	37.49	30.5 W.
									Dec. 3 Ei.Y.	37.54	31.1 W.

1904 Nov. 30 Ei.Y. 37.54 31.6 E. 1905 Dec. 7 Ei.Y. 37.56 31.5 W. Mean..... 37.532 31.18 Mag. corr.... +0.019 B. D. +37° 659 $\alpha = 2^h 48^m$ $\delta = +37^\circ 20'$ 1908 Jan. 3 P. 19.77 4.0 E. 14 P. 19.74 3.3 E. Mean..... 19.755 3.65 Mag. corr.... 0.000 B. D. +8° 443 $\alpha = 2^h 48^m$ $\delta = +8^\circ 55'$ 1903 Sept. 15 Ei.Y. 23.90 40.5 W. 18 Ei.Y. 23.92 39.9 22 Ei.Y. 23.95 40.1 W. 1905 Jan. 14 Ei.M. 23.94 39.9 E. Dec. 5 Ei.Y. 23.95 40.3 W. Mean..... 23.932 40.14 Mag. corr.... +0.014 B. D. +19° 432 $\alpha = 2^h 48^m$ $\delta = +20^\circ 9'$ 1903 Sept. 19 Ei.Y. 36.52 29.1 W. 21 Ei.Y. 36.50 28.7 W. 1904 Dec. 16 Ei.M. 36.55 28.8 E. 1905 Dec. 13 Ei.Y. 36.58 28.6 W. Mean..... 36.538 28.80 Mag. corr.... +0.012 B. D. +10° 388 $\alpha = 2^h 48^m$ $\delta = +10^\circ 54'$ 1903 Sept. 24 Ei.Y. 55.63 8.0 W. 25 Ei.Y. 55.57 7.9 W. 1904 Oct. 22 Ei.M. 55.60 7.7 E. 1906 Oct. 8 Ei.P. 55.52 6.7 W. Mean..... 55.580 7.58 Mag. corr.... 0.000 B. D. +9° 370 $\alpha = 2^h 49^m$ $\delta = +9^\circ 21'$ 1903 Sept. 28 Ei.Y. 2.40 55.4 W. 29 Ei.Y. 2.34 55.5 W. 1904 Dec. 19 Ei.M. 2.39 55.2 E. 1905 Dec. 6 Ei.Y. 2.41 55.5 W. Mean..... 2.385 55.40 Mag. corr.... -0.007	B. D. +12° 406 $\alpha = 2^h 49^m$ $\delta = +12^\circ 31'$ 1903 Oct. 12 Ei.Y. 9.83 56.6 W. 13 Ei.Y. 9.79 56.5 W. 1904 Dec. 21 Ei.M. 9.79 57.1 E. 1905 Dec. 4 Ei.Y. 9.86 56.3 W. Mean..... 9.818 56.62 Mag. corr.... +0.002 B. D. +17° 454 $\alpha = 2^h 49^m$ $\delta = +17^\circ 19'$ 1903 Oct. 19 Ei.Y. 18.85 42.4 W. Nov. 6 Ei.Y. 18.81 42.0 W. 1904 Oct. 18 Ei.Y. 18.85 42.0 E. 1906 Oct. 11 Ei.P. 18.81 42.0 W. Mean..... 18.830 42.10 Mag. corr.... +0.013 B. D. +37° 662 $\alpha = 2^h 49^m$ $\delta = +38^\circ 10'$ 1907 Dec. 19 M. 42.82 49.9 E. 23 M. 42.83 49.8 E. 1908 Dec. 19 L. 42.82 49.6 W. 23 L. 42.73 49.1 W. Mean..... 42.800 49.60 Mag. corr.... -0.003 B. D. +22° 406 $\alpha = 2^h 49^m$ $\delta = +22^\circ 11'$ 1903 Nov. 9 Ei.Y. 54.29 54.4 W. 23 Ei.Y. 54.23 54.1 W. 1904 Nov. 30 Ei.Y. 54.23 54.9 E. 1905 Dec. 7 Ei.Y. 54.34 54.6 W. Mean..... 54.272 54.50 Mag. corr.... -0.013 B. D. +14° 492 $\alpha = 2^h 50^m$ $\delta = +14^\circ 18'$ 1903 Sept. 15 Ei.Y. 9.34 6.1 W. 18 Ei.Y. 9.36 6.4 22 Ei.Y. 9.35 5.7 W. 1905 Jan. 14 Ei.M. 9.36 6.6 E. Dec. 5 Ei.Y. 9.30 6.1 W. Mean..... 9.342 6.18 Mag. corr.... +0.003 B. D. +17° 457 $\alpha = 2^h 50^m$ $\delta = +17^\circ 55'$ 1903 Sept. 19 Ei.Y. 11.23 36.3 W. 21 Ei.Y. 11.23 34.9 W.	1904 Dec. 16 Ei.M. 11.26 35.9 E. 1905 Dec. 13 Ei.Y. 11.28 36.1 W. Mean..... 11.250 35.80 Mag. corr.... -0.009 B. D. +17° 458 $\alpha = 2^h 50^m$ $\delta = +17^\circ 37'$ 1903 Sept. 24 Ei.Y. 47.50 28.4 W. 25 Ei.Y. 47.47 27.4 W. 1904 Oct. 22 Ei.M. 47.43 27.7 E. 1906 Oct. 8 Ei.P. 47.48 26.4 W. Mean..... 47.470 27.48 Mag. corr.... -0.006 η Eridani $\alpha = 2^h 51^m 32^s.560$ $\delta = -9^\circ 17' 47''.06$ 1903 Dec. 14 M. -0.02 +1.5 W. 29 Br. -0.01 +0.6 31 Br. 0.00 +0.4 1904 Jan. 18 M. -0.03 +2.3 25 M. +0.02 +0.3 27 R. -0.04 +1.3 30 R. 0.00 +1.0 Feb. 2 Br. +0.01 +0.2 3 R. -0.04 +1.1 4 Br. -0.01 +1.0 W. Sept. 6 M. +0.02 +0.7 E. 8 M. -0.02 +0.5 16 T. +0.01 0.0 22 M. +0.01 -0.1 26 T. +0.07 -1.0 Oct. 23 M. -0.03 +0.2 Nov. 18 Br. 0.00 -0.1 20 Br. +0.03 -0.3 Dec. 12 M. +0.01 +0.2 1905 Jan. 21 M. -0.01 +0.9 28 M. 0.00 +1.8 E. Aug. 31 Br. +0.01 +0.3 W. Sept. 6 Bs. +0.01 +0.6 12 Hl. -0.01 +0.4 18 Bs. +0.01 +0.2 21 Hl. +0.02 +1.1 27 Hl. +0.04 +0.2 Nov. 29 Bs. +0.02 -0.1 Dec. 12 Br. +0.04 -0.1 27 Br. +0.02 +0.8 29 Br. +0.02 +1.2 1906 Jan. 5 Br. +0.02 +0.6 9 Br. 0.00 +1.2 16 Br. +0.05 +0.7 W. 1907 Aug. 30 M. -0.04 +0.4 E. Sept. 11 M. 0.00 +1.3 26 Hl. +0.07 0.0 27 P. +0.04 ... Oct. 25 Hl. +0.04 +0.6 Nov. 19 Hl. -0.01 ... 26 P. +0.03 -0.1 Dec. 18 P. +0.03 ... 21 P. +0.04 0.0 31 M. -0.06 ... 1908 Jan. 2 M. -0.02 ... 6 M. -0.02 +1.2 9 M. 0.00 +0.6 E.	1908 Jan. 10 P. -0.01 +0.6 E. Sept. 1 Fk. +0.03 ... W. 2 M. -0.02 ... 3 P. -0.02 +0.4 7 P. -0.02 +0.3 Nov. 29 P. +0.07 ... W. 1910 Dec. 12 P. +0.02 -0.5 E. 29 M. +0.04 -0.2 1911 Jan. 10 P. +0.04 -0.1 Feb. 4 L. 0.00 +0.9 E. Mean..... +0.008 +0.51 Mag. corr.... +0.009 B. D. +15° 414 $\alpha = 2^h 51^m$ $\delta = +15^\circ 53'$ 1903 Sept. 28 Ei.Y. 54.21 32.8 W. 29 Ei.Y. 54.19 32.3 W. 1904 Dec. 19 Ei.M. 54.24 31.7 E. 1905 Dec. 6 Ei.Y. 54.20 31.7 W. Mean..... 54.210 32.12 Mag. corr.... +0.013 B. D. +20° 480 $\alpha = 2^h 52^m$ $\delta = +20^\circ 16'$ 1903 Oct. 12 Ei.Y. 21.77 3.5 W. 13 Ei.Y. 21.79 3.8 W. 1904 Dec. 21 Ei.M. 21.76 4.8 E. 1905 Dec. 4 Ei.Y. 21.81 3.8 W. Mean..... 21.782 3.98 Mag. corr.... -0.008 47 H. Cephei $\alpha = 2^h 52^m 46^s.632$ $\delta = +79^\circ 1' 25''.11$ 1904 Dec. 29 Br. +0.02 -0.4 E. 1905 Sept. 29 Hl. -0.07 +0.6 W. Oct. 3 Bs. -0.06 +0.9 1906 Sept. 19 P. -0.11 +0.6 20 Hl. -0.23 +0.6 W. 1907 Sept. 6 M. +0.14 +0.1 E. 13 P. -0.16 +0.3 Dec. 11 M. +0.11 -0.1 12 Hl. +0.14 +0.2 E. Mean..... -0.024 +0.31 Mag. corr.... -0.003 47 H. Cephei s. p. $\alpha = 2^h 52^m 46^s.636$ $\delta = +79^\circ 1' 25''.10$ 1904 Feb. 8 Br. -0.09 +0.4 W. 22 Br. +0.13 +0.4 24 Br. -0.12 -0.3 Mar. 9 M. +0.07 +0.4 W. 1907 June 3 M. +0.18 +0.2 E. 21 M. +0.24 -0.2 E.
--	---	---	--

<p>1908</p> <p>Mar. 20 P. +0.04 -0.5 E.</p> <p>21 Fk. -0.08 -0.1</p> <p>Apr. 3 P. -0.10 -0.7 E.</p> <p>June 18 M. +0.24 +0.2 W.</p> <p>Mean..... +0.051 -0.02</p> <p>Mag. corr..... -0.005</p> <p>B. D. +23° 392</p> <p>$\alpha = 2^h 52^m$</p> <p>$\delta = +23^\circ 43'$</p> <p>1903</p> <p>Oct. 19 Ei.Y. 47.52 58.8 W.</p> <p>Nov. 6 Ei.Y. 47.47 58.4 W.</p> <p>1904</p> <p>Oct. 18 Ei.Y. 47.44 58.9 E.</p> <p>1906</p> <p>Oct. 11 Ei.P. 47.38 58.4 W.</p> <p>Mean..... 47.452 58.62</p> <p>Mag. corr..... +0.005</p> <p>B. D. +21° 397</p> <p>$\alpha = 2^h 53^m$</p> <p>$\delta = +21^\circ 13'$</p> <p>1903</p> <p>Nov. 9 Ei.Y. 9.03 3.8 W.</p> <p>23 Ei.Y. 9.08 3.2 W.</p> <p>1904</p> <p>Nov. 30 Ei.Y. 9.03 4.6 E.</p> <p>1905</p> <p>Dec. 7 Ei.Y. 9.12 4.4 W.</p> <p>Mean..... 9.065 4.00</p> <p>Mag. corr..... +0.015</p> <p>B. D. +13° 484</p> <p>$\alpha = 2^h 53^m$</p> <p>$\delta = +13^\circ 12'$</p> <p>1903</p> <p>Dec. 3 Ei.Y. 15.96 22.8 W.</p> <p>7 Ei.Y. 15.94 22.2 W.</p> <p>1905</p> <p>Jan. 14 Ei.M. 15.94 23.1 E.</p> <p>Dec. 5 Ei.Y. 15.93 22.3 W.</p> <p>Mean..... 15.942 22.60</p> <p>Mag. corr..... +0.007</p> <p>B. D. +19° 440</p> <p>$\alpha = 2^h 53^m$</p> <p>$\delta = +19^\circ 35'$</p> <p>1903</p> <p>Sept. 19 Ei.Y. 29.28 26.6 W.</p> <p>21 Ei.Y. 29.21 25.3 W.</p> <p>1904</p> <p>Dec. 16 Ei.M. 29.25 25.9 E.</p> <p>1905</p> <p>Dec. 13 Ei.Y. 29.30 26.0 W.</p> <p>Mean..... 29.260 25.95</p> <p>Mag. corr..... 0.000</p> <p>ϵ Arietis (mean)</p> <p>$\alpha = 2^h 53^m 29^s.516$</p> <p>$\delta = +20^\circ 56' 25''.54$</p> <p>1903</p> <p>Sept. 15 Ei.Y. +0.08 +1.0 W.</p> <p>18 Ei.Y. +0.02 +1.4</p> <p>22 Ei.Y. 0.00 +0.6</p> <p>24 Ei.Y. 0.00 +1.4</p> <p>25 Ei.Y. +0.03 +0.6 W.</p> <p>1904</p> <p>Oct. 22 Ei.M. -0.04 +0.4 E.</p> <p>Nov. 28 Ei.Y. -0.01 +1.3 E.</p>	<p>1905</p> <p>Jan. 30 Y. 0.00 +0.9 E.</p> <p>Dec. 23 Ei.Y. +0.03 +0.8 W.</p> <p>1906</p> <p>Jan. 1 Hl. +0.05 -0.5</p> <p>Oct. 8 Ei.P. -0.04 -0.2 W.</p> <p>1907</p> <p>Aug. 26 P. -0.03 +1.0 E.</p> <p>Nov. 19 Hl. +0.03</p> <p>Dec. 31 M. -0.01 +1.0</p> <p>1908</p> <p>Jan. 2 M. +0.02 +1.2 E.</p> <p>Sept. 8 Fk. 0.00 +1.1 W.</p> <p>14 P. +0.07 +0.8</p> <p>15 Fk. -0.01 +0.1</p> <p>Nov. 29 P. +0.01</p> <p>Dec. 5 L. +0.05 0.0</p> <p>1909</p> <p>Jan. 2 L. +0.02 0.0</p> <p>18 M. -0.02 +0.4</p> <p>19 P. +0.06 +1.0</p> <p>20 L. +0.04 +0.6</p> <p>21 M. +0.01 +0.5 W.</p> <p>Oct. 1 M. 0.00 +0.4 E.</p> <p>28 M. 0.00 +0.6</p> <p>30 P. +0.01 +0.5</p> <p>Nov. 25 M. +0.07 +0.1</p> <p>Dec. 22 L. +0.06 0.0</p> <p>1910</p> <p>Jan. 10 M. +0.05 +1.0</p> <p>15 L. -0.06 +0.4</p> <p>19 L. +0.03 +1.5</p> <p>20 M. +0.01 +0.2</p> <p>Feb. 16 P. [+0.8]</p> <p>Aug. 26 P. +0.02 +0.9</p> <p>Sept. 21 M. +0.02 +0.9</p> <p>22 L. +0.03 +1.0</p> <p>26 P. +0.03 +0.5</p> <p>Oct. 20 M. +0.03 +0.6</p> <p>22 L. +0.01 +0.3</p> <p>28 P. +0.04 -0.3</p> <p>Nov. 11 P. 0.00 +0.9</p> <p>19 P. 0.00</p> <p>1911</p> <p>Jan. 9 M. +0.07 +0.8 E.</p> <p>Mean..... +0.018 +0.63</p> <p>Mag. corr..... +0.004</p> <p>B. D. +37° 675</p> <p>$\alpha = 2^h 53^m$</p> <p>$\delta = +37^\circ 44'$</p> <p>1907</p> <p>Dec. 19 M. 51.81 1.3 E.</p> <p>23 M. 51.77 1.4</p> <p>1908</p> <p>Jan. 3 P. 51.72 2.1</p> <p>14 P. 51.75 1.0 E.</p> <p>Dec. 19 L. 51.80 1.1 W.</p> <p>23 L. 51.78 0.7 W.</p> <p>Mean..... 51.772 1.27</p> <p>Mag. corr..... -0.012</p> <p>λ Ceti</p> <p>$\alpha = 2^h 54^m$</p> <p>$\delta = +8^\circ 30'$</p> <p>1903</p> <p>Sept. 28 Ei.Y. 21.29 33.4 W.</p> <p>29 Ei.Y. 21.26 33.1 W.</p> <p>1904</p> <p>Sept. 11 M. 21.26 32.0 E.</p> <p>15 M. 21.29 31.8</p> <p>Dec. 19 Ei.M. 21.28 32.7 E.</p> <p>1905</p> <p>Aug. 28 Br. 21.31 31.8 W.</p> <p>Sept. 14 Hl. 21.27 32.8</p> <p>15 Bs. 21.26 32.7 W.</p>	<p>1905</p> <p>Sept. 24 Hl. 21.29 33.7 W.</p> <p>26 Bs. 21.24 32.6</p> <p>Dec. 6 Ei.Y. 21.28 32.7 W.</p> <p>1907</p> <p>Sept. 11 M. 21.28 33.0 E.</p> <p>15 M. 21.28 32.1</p> <p>Nov. 26 P. 21.36 32.5 E.</p> <p>Mean..... 21.282 32.64</p> <p>Mag. corr..... +0.004</p> <p>B. D. +39° 687</p> <p>$\alpha = 2^h 54^m$</p> <p>$\delta = +40^\circ 1'$</p> <p>1906</p> <p>Sept. 5 Hl. 29.25 13.9 W.</p> <p>9 Hl. 29.25 14.0</p> <p>Oct. 7 Hl. 29.27 13.3</p> <p>14 Hl. 29.24 13.7 W.</p> <p>Mean..... 29.253 13.72</p> <p>Mag. corr..... -0.001</p> <p>B. D. +22° 416</p> <p>$\alpha = 2^h 54^m$</p> <p>$\delta = +22^\circ 25'$</p> <p>1903</p> <p>Oct. 12 Ei.Y. 50.06 51.7 W.</p> <p>13 Ei.Y. 49.99 52.4 W.</p> <p>1904</p> <p>Dec. 21 Ei.M. 50.06 53.5 E.</p> <p>1905</p> <p>Dec. 4 Ei.Y. 50.06 52.4 W.</p> <p>Mean..... 50.042 52.50</p> <p>Mag. corr..... +0.007</p> <p>B. D. +17° 471</p> <p>$\alpha = 2^h 54^m$</p> <p>$\delta = +17^\circ 36'$</p> <p>1903</p> <p>Oct. 19 Ei.Y. 54.14 29.2 W.</p> <p>Nov. 6 Ei.Y. 54.12 28.7 W.</p> <p>1904</p> <p>Oct. 18 Ei.Y. 54.10 29.4 E.</p> <p>1906</p> <p>Oct. 11 Ei.P. 54.06 29.2 W.</p> <p>Mean..... 54.105 29.12</p> <p>Mag. corr..... +0.013</p> <p>B. D. +10° 401</p> <p>$\alpha = 2^h 55^m$</p> <p>$\delta = +10^\circ 28'$</p> <p>1903</p> <p>Nov. 9 Ei.Y. 18.64 27.2 W.</p> <p>23 Ei.Y. 18.63 26.9 W.</p> <p>1904</p> <p>Nov. 30 Ei.Y. 18.61 27.8 E.</p> <p>1905</p> <p>Dec. 7 Ei.Y. 18.71 27.3 W.</p> <p>Mean..... 18.648 27.30</p> <p>Mag. corr..... +0.021</p> <p>B. D. +14° 502</p> <p>$\alpha = 2^h 55^m$</p> <p>$\delta = +14^\circ 38'$</p> <p>1903</p> <p>Dec. 3 Ei.Y. 21.78 10.8 W.</p> <p>7 Ei.Y. 21.83 10.0 W.</p> <p>1905</p> <p>Jan. 14 Ei.M. 21.82 10.7 E.</p> <p>Dec. 5 Ei.Y. 21.77 10.6 W.</p> <p>Mean..... 21.800 10.52</p> <p>Mag. corr..... +0.008</p>	<p>B. D. +18° 391</p> <p>$\alpha = 2^h 55^m$</p> <p>$\delta = +19^\circ 0'$</p> <p>1903</p> <p>Sept. 19 Ei.Y. 30.92 26.2 W.</p> <p>21 Ei.Y. 30.85 25.1 W.</p> <p>1904</p> <p>Dec. 16 Ei.M. 30.84 25.3 E.</p> <p>1905</p> <p>Dec. 13 Ei.Y. 30.92 25.6 W.</p> <p>Mean..... 30.882 25.55</p> <p>Mag. corr..... 0.000</p> <p>α Ceti</p> <p>$\alpha = 2^h 57^m 3^s.063$</p> <p>$\delta = +3^\circ 41' 50''.53$</p> <p>1903</p> <p>Sept. 15 Ei.Y. +0.04 +0.6 W.</p> <p>18 Ei.Y. +0.05 +1.1</p> <p>22 Ei.Y. +0.06 +0.2</p> <p>Nov. 6 Ei.Y. +0.02 -0.3</p> <p>Dec. 3 Ei.Y. +0.08 +0.1</p> <p>7 Ei.Y. +0.05 +0.2</p> <p>30 R. +0.04 -0.3</p> <p>1904</p> <p>Jan. 18 M. +0.02 +1.9</p> <p>30 R. +0.05 +0.4</p> <p>Feb. 2 Br. +0.05 -0.2</p> <p>3 R. +0.03 +0.8 W.</p> <p>Nov. 28 Ei.Y. +0.04 +1.0 E.</p> <p>Dec. 12 M. +0.01 +0.4</p> <p>16 Ei.M. +0.05 +0.9</p> <p>1905</p> <p>Jan. 21 M. +0.03 +1.3</p> <p>28 M. +0.05 +1.0 E.</p> <p>Aug. 29 Hl. +0.07</p> <p>Dec. 5 Ei.Y. +0.02 +0.8</p> <p>13 Ei.Y. +0.04 +1.1</p> <p>23 Ei.Y. +0.04 +1.0</p> <p>29 Br. +0.04 +1.0</p> <p>1906</p> <p>Jan. 1 Hl. +0.06 +0.7</p> <p>6 Hl. +0.02 +0.1</p> <p>10 Bs. +0.06 +1.2</p> <p>18 Hl. +0.04 +0.2</p> <p>30 Br. +0.05 +0.2</p> <p>Oct. 11 Ei.P. 0.00 +0.3 W.</p> <p>1907</p> <p>Aug. 26 P. +0.01 +2.1 E.</p> <p>Sept. 6 M. +0.03 +0.6</p> <p>Nov. 19 Hl. +0.14</p> <p>Dec. 31 M. +0.04 +1.4</p> <p>1908</p> <p>Jan. 2 M. +0.05 +1.4</p> <p>6 M. +0.07 +0.8</p> <p>9 M. +0.08 +1.4 E.</p> <p>Sept. 1 Fk. +0.06</p> <p>3 P. +0.10 +1.0</p> <p>7 P. +0.04 +1.3</p> <p>15 Fk. +0.02 +0.6</p> <p>Dec. 5 L. +0.02 +0.6</p> <p>19 L. +0.09</p> <p>23 L. +0.05</p> <p>1909</p> <p>Oct. 28 M. +0.02 +0.9 E.</p> <p>30 P. +0.06 +0.6</p> <p>Dec. 24 P. +0.06 +0.8</p> <p>1910</p> <p>Jan. 8 L. +0.06 +0.1</p> <p>Dec. 29 M. +0.01 +0.1</p> <p>1911</p> <p>Jan. 9 M. +0.10 +0.8 E.</p> <p>Mean..... +0.047 +0.72</p> <p>Mag. corr..... +0.002</p>
--	---	---	---

B. D. +16° 380			B. D. +13° 494			B. D. +20° 501			α Persei		
α = 2 ^h 57 ^m δ = +17° 10'			α = 2 ^h 58 ^m δ = +14° 4'			α = 2 ^h 59 ^m δ = +20° 30'			α = 3 ^h 1 ^m δ = +49° 13'		
1903	s	"	1903	s	"	1903	s	"	1904	s	"
Sept. 24 Ei.Y.	16.72	21.6 W.	Oct. 12 Ei.Y.	2.00	45.4 W.	Dec. 3 Ei.Y.	46.62	50.4 W.	Feb. 2 Br.	51.32	52.3 W.
25 Ei.Y.	16.68	20.8 W.	13 Ei.Y.	2.06	45.7 W.	7 Ei.Y.	46.59	50.0 W.	3 R.	51.24	53.4
1904			1904			1905			4 Br.	51.30	53.1 W.
Oct. 22 Ei.M.	16.66	21.0 E.	Dec. 21 Ei.M.	2.06	46.2 E.	Jan. 14 Ei.M.	46.61	51.1 E.	Sept. 16 T.	51.43	53.2 E.
1906			1905			Dec. 5 Ei.Y.	46.60	50.2 W.	22 M.	51.44	51.6
Oct. 8 Ei.P.	16.69	19.8 W.	Dec. 4 Ei.Y.	2.04	45.8 W.	Mean.....	46.605	50.42	26 T.	51.37	52.8
Mean.....	16.688	20.80	Mean.....	2.040	45.78	Mag. corr....	+0.002		Oct. 23 M.	51.36	52.9
Mag. corr....	-0.012		Mag. corr....	0.000					Nov. 18 Br.	51.46	53.1 E.
γ Persei			ρ Persei			B. D. +11° 434			1905		
α = 2 ^h 57 ^m 33 ^s .032 δ = +53° 6' 53".89			α = 2 ^h 58 ^m 46 ^s .023 δ = +38° 27' 9".52			α = 3 ^h 0 ^m δ = +11° 16'			Sept. 26 Bs.	51.53	53.8 W.
1904	s	"	1904	s	"	1903	s	"	29 Hl.	51.63	53.4
Dec. 18 Br.	-0.07	+0.1 E.	Sept. 7 T.	+0.13	+1.6 E.	Sept. 19 Ei.Y.	50.26	40.7 W.	Oct. 3 Bs.	51.54	53.9 W.
29 Br.	+0.01	-0.3	11 M.	+0.03	+0.4	21 Ei.Y.	50.18	40.5 W.	Mean.....	51.420	53.05
1905			15 M.	+0.07	0.0 E.	1904			Mag. corr....	+0.009	
Jan. 30 Y.	+0.02	-0.2 E.	1905			Dec. 16 Ei.M.	50.19	41.2 E.	B. D. +23° 407		
Nov. 25 Bs.	-0.02	+0.1 W.	Dec. 27 Br.	+0.01	+0.2 W.	1905			α = 3 ^h 2 ^m δ = +23° 18'		
Dec. 10 Hl.	-0.10	-0.2	1906			Dec. 13 Ei.Y.	50.22	41.3 W.	1903	s	"
1906			Jan. 5 Br.	-0.02	+0.2	Mean.....	50.212	40.92	Oct. 12 Ei.Y.	2.71	14.9 W.
Sept. 19 P.	+0.01	+0.3	9 Br.	+0.02	+0.6	Mag. corr....	+0.008		13 Ei.Y.	2.73	14.7 W.
24 P.	+0.07	-0.4 W.	16 Br.	+0.04	+0.6	B. D. +12° 436			1904		
1907			24 Bs.	+0.04	+0.2 W.	α = 3 ^h 0 ^m δ = +12° 48'			Dec. 21 Ei.M.	2.72	15.8 E.
Sept. 13 P.	+0.02	+0.2 E.	1907			1903	s	"	1905		
Dec. 11 M.	0.00	-0.3 E.	Aug. 29 Hl.	-0.04	+0.9 E.	Sept. 24 Ei.Y.	54.10	6.8 W.	Dec. 4 Ei.Y.	2.74	15.3 W.
1908			Sept. 24 P.	+0.06	+0.6 E.	25 Ei.Y.	54.29	5.8 W.	Mean.....	2.725	15.18
Aug. 31 P.	-0.06	0.0 W.	Mean.....	+0.034	+0.53	1904			Mag. corr....	+0.001	
Sept. 8 Fk.	-0.06	+0.8 W.	Mag. corr....	-0.006		Oct. 22 Ei.M.	54.27	5.3 E.	B. D. +18° 414		
Mean.....	-0.016	+0.01	B. D. +15° 430			1906			α = 3 ^h 2 ^m δ = +18° 24'		
Mag. corr....	0.000		α = 2 ^h 59 ^m δ = +15° 28'			Oct. 8 Ei.P.	54.19	5.0 W.	1903	s	"
B. D. +22° 425			1903	s	"	Mean.....	54.212	5.72	Oct. 19 Ei.Y.	41.04	40.8 W.
α = 2 ^h 57 ^m δ = +22° 40'			Oct. 19 Ei.Y.	6.68	5.4 W.	Mag. corr....	-0.008		20 Ei.Y.	40.96	40.1 W.
1903	s	"	Nov. 6 Ei.Y.	6.73	4.8 W.	β Persei			1904		
Sept. 28 Ei.Y.	40.59	9.0 W.	1904			α = 3 ^h 1 ^m 39 ^s .580 δ = +40° 34' 13".81			Oct. 18 Ei.Y.	40.91	41.1 E.
29 Ei.Y.	40.62	8.6 W.	Oct. 18 Ei.Y.	6.69	5.0 E.	1903	s	"	1905		
1904			1905			Dec. 14 M.	+0.05	W.	Dec. 23 Ei.Y.	40.99	41.3 W.
Dec. 19 Ei.M.	40.59	8.0 E.	Dec. 23 Ei.Y.	6.68	5.2 W.	1904			Mean.....	40.975	40.82
1905			Mean.....	6.695	5.10	Dec. 18 Br.	+0.08	+0.6 E.	Mag. corr....	+0.017	
Dec. 6 Ei.Y.	40.58	7.7 W.	Mag. corr....	+0.016		29 Br.	-0.01	+0.4	B. D. +36° 640		
Mean.....	40.595	8.32	B. D. +36° 628			1905			α = 3 ^h 3 ^m δ = +36° 55'		
Mag. corr....	+0.010		α = 2 ^h 59 ^m δ = +36° 24'			Jan. 30 Y.	+0.03	E.	1908	s	"
τ ³ Eridani			1906	s	"	Nov. 25 Bs.	0.00	-0.6 W.	Jan. 3 P.	7.75	11.7 E.
α = 2 ^h 57 ^m 58 ^s .913 δ = -24° 0' 59".00			Sept. 5 Hl.	17.10	35.6 W.	29 Bs.	+0.04	+0.4	14 P.	7.79	11.6 E.
1905	s	"	9 Hl.	17.09	35.8	Dec. 11 Hl.	-0.01	-0.1	Mean.....	7.770	11.65
Sept. 14 Hl.	-0.01	+0.9 W.	Oct. 7 Hl.	17.12	35.4	12 Br.	-0.01	+0.2 W.	Mag. corr....	+0.002	
15 Bs.	+0.04	+0.5	14 Hl.	17.12	35.6 W.	1907			B. D. +14° 518		
26 Bs.	+0.04	+0.3	Mean.....	17.108	35.60	Aug. 26 P.	+0.07	+0.6 E.	α = 3 ^h 1 ^m δ = +14° 57'		
Oct. 8 Hl.	+0.16	-0.5	Mag. corr....	-0.004		29 Hl.	-0.05	+0.7 E.	1903	s	"
12 Br.	+0.02	+0.2	B. D. +24° 431			Mean.....	+0.019	+0.28	Nov. 9 Ei.Y.	10.22	23.4 W.
Nov. 29 Bs.	+0.06	-0.7 W.	α = 2 ^h 59 ^m δ = +24° 51'			Mag. corr....	+0.004		23 Ei.Y.	10.27	23.9 W.
1907			1903	s	"	B. D. +17° 493			1904		
Aug. 30 M.	+0.04	-0.5 E.	Nov. 9 Ei.Y.	34.69	58.1 W.	α = 3 ^h 1 ^m δ = +17° 29'			Nov. 30 Ei.Y.	10.29	24.5 E.
Sept. 11 M.	0.00	+0.3	23 Ei.Y.	34.63	57.9 W.	1903	s	"	1905		
Dec. 19 M.	+0.08	-0.6	1904			Sept. 28 Ei.Y.	47.84	39.5 W.	Dec. 7 Ei.Y.	10.33	23.9 W.
21 P.	-0.09	-0.6	Nov. 30 Ei.Y.	34.68	58.4 E.	29 Ei.Y.	47.80	39.4 W.	Mean.....	10.278	23.92
23 M.	+0.05	-0.3	1905			Dec. 19 Ei.M.	47.80	39.2 E.	Mag. corr....	-0.001	
1908			Dec. 7 Ei.Y.	34.74	58.4 W.	1905					
Jan. 10 P.	+0.10	+0.3 E.	Mean.....	34.685	58.20	Dec. 6 Ei.Y.	47.74	39.3 W.			
Mean.....	+0.041	-0.06	Mag. corr....	-0.003		Mean.....	47.795	39.35			
Mag. corr....	+0.008					Mag. corr....	+0.022				

B. D. +20° 514			1903			1907			B. D. +23° 423		
$\alpha = 3^h 3^m$			s			s			$\alpha = 3^h 8^m$		
$\delta = +20^\circ 22'$			Nov. 23 Ei.Y. -0.01 -0.3 W.			Sept. 6 M. +0.16 +0.3 E.			$\delta = +23^\circ 53'$		
1903			Dec. 14 M. +0.02 -0.3			Nov. 26 P. +0.12 +0.3			1903		
Dec. 3 Ei.Y. 36.02 44.9 W.			31 Br. +0.01 -0.1			1908			Oct. 27 Ei.Y. 9.85 27.7 W.		
7 Ei.Y. 36.00 44.6 W.			1904			Jan. 9 M. +0.09 -0.5			29 Ei.Y. 9.90 27.5 W.		
1905			Jan. 24 Br. +0.02 +1.2 W.			15 M. +0.11 +0.5 E.			1904		
Jan. 14 Ei.M. 35.99 45.0 E.			Oct. 18 Ei.Y. +0.04 -0.1 E.			Mean..... +0.043 +0.18			Nov. 30 Ei.Y. 9.90 29.1 E.		
Dec. 5 Ei.Y. 36.00 44.1 W.			Dec. 21 Ei.M. -0.01 +0.8			Mag. corr.... -0.005			1905		
Mean..... 36.002 44.65			1905			48 H. Cephei s. p.			Dec. 7 Ei.Y. 9.91 29.1 W.		
Mag. corr.... +0.015			Jan. 16 Ei.Y. +0.04 -0.8			$\alpha = 3^h 7^m 37^s.406$			Mean..... 9.890 28.35		
B. D. +21° 416			28 M. +0.08 +0.7			$\delta = +77^\circ 22' 2''.25$			Mag. corr.... -0.002		
$\alpha = 3^h 4^m$			30 Y. 0.00 +0.5 E.			1905			B. D. +18° 432		
$\delta = +21^\circ 30'$			Aug. 29 Hl. +0.07 -0.2 W.			June 15 M. -0.21 0.0 E.			$\alpha = 3^h 8^m$		
1903			Dec. 4 Ei.Y. +0.04 +0.3			1907			$\delta = +18^\circ 35'$		
Sept. 19 Ei.Y. 53.89 53.0 W.			5 Ei.Y. -0.02 +0.6			June 8 P. +0.17 0.0			1903		
21 Ei.Y. 53.87 52.6 W.			7 Ei.Y. +0.03 +0.3			20 P. +0.12 -0.7			Nov. 9 Ei.Y. 13.73 56.1 W.		
1904			26 Ei.Y. +0.03 +0.2 W.			23 P. +0.15 -0.2			23 Ei.Y. 13.74 55.5 W.		
Dec. 16 Ei.M. 53.86 52.9 E.			1907			1908			1905		
1905			Dec. 14 Hl. -0.04 ...			Mar. 20 P. +0.08 +0.3 E.			Jan. 14 Ei.M. 13.72 56.8 E.		
Dec. 13 Ei.Y. 53.94 53.0 W.			19 M. +0.03 +0.4			June 8 M. +0.11 -0.5 W.			Dec. 5 Ei.Y. 13.71 56.2 W.		
Mean..... 53.890 52.88			23 M. +0.02 ... E.			12 P. +0.14 +1.0			Mean..... 13.725 56.15		
Mag. corr.... +0.002			1908			13 Fk. +0.15 +0.4			Mag. corr.... +0.015		
B. D. +37° 719			Sept. 1 Fk. +0.05 ... W.			14 P. -0.04 0.0			B. D. +22° 457		
$\alpha = 3^h 5^m$			15 Fk. 0.00 +0.3			26 M. +0.15 -0.4 W.			$\alpha = 3^h 8^m$		
$\delta = +37^\circ 41'$			Dec. 5 L. +0.01 +0.2 W.			Mean..... +0.082 -0.01			$\delta = +22^\circ 34'$		
1906			1909			Mag. corr.... -0.003			1903		
Sept. 5 Hl. 0.27 24.9 W.			Aug. 7 P. [-0.02] [+0.4] E.			94 Ceti			Dec. 3 Ei.Y. 27.87 49.1 W.		
9 Hl. 0.26 25.0			8 L. [0.00] [+0.4]			$\alpha = 3^h 7^m$			7 Ei.Y. 27.85 49.4 W.		
Oct. 7 Hl. 0.30 24.4 W.			Oct. 2 P. +0.03 -0.3			$\delta = -1^\circ 34'$			1904		
Mean..... 0.277 24.77			28 M. -0.01 +0.3			1904			Dec. 16 Ei.M. 27.83 49.6 E.		
Mag. corr.... -0.002			29 L. 0.00 +0.5			Sept. 16 T. 40.22 12.5 E.			1905		
B. D. +13° 519			30 P. -0.01 -0.3			22 M. 40.27 12.4			Dec. 13 Ei.Y. 27.85 49.6 W.		
$\alpha = 3^h 5^m$			Dec. 24 P. +0.01 +1.1			26 T. 40.31 12.9			Mean..... 27.850 49.42		
$\delta = +13^\circ 57'$			1910			Oct. 23 M. 40.27 ...			Mag. corr.... +0.013		
1903			Jan. 4 P. +0.04 +0.4			Nov. 20 Br. 40.31 11.5 E.			B. D. +15° 450		
Sept. 24 Ei.Y. 14.16 52.6 W.			Aug. 26 P. +0.02 +0.5			1905			$\alpha = 3^h 8^m$		
25 Ei.Y. 14.09 52.0 W.			Sept. 21 M. +0.03 +0.3			Aug. 28 Br. 40.27 11.4 W.			$\delta = +15^\circ 13'$		
1904			22 L. 0.00 +0.2			Sept. 13 Bs. 40.29 11.5			1903		
Oct. 22 Ei.M. 14.10 51.9 E.			Oct. 20 M. +0.02 +0.3			14 Hl. 40.23 11.4			Sept. 24 Ei.Y. 33.66 2.6 W.		
1906			25 L. +0.03 +0.9			15 Bs. 40.30 12.1			25 Ei.Y. 33.62 1.4 W.		
Oct. 8 Ei.P. 14.10 51.4 W.			28 P. +0.01 +0.7			24 Hl. 40.31 11.5 W.			1904		
Mean..... 14.112 51.98			Nov. 19 P. +0.02 ...			Mean..... 40.278 11.91			Oct. 22 Ei.M. 33.62 1.5 E.		
Mag. corr.... -0.010			Dec. 29 M. 0.00 +0.2			Mag. corr.... 0.000			1906		
B. D. +15° 447			1911			12 Eridani			Oct. 8 Ei.P. 33.66 1.0 W.		
$\alpha = 3^h 6^m$			Jan. 9 M. -0.01 +0.2 E.			$\alpha = 3^h 7^m 49^s.562$			Mean..... 33.640 1.62		
$\delta = +16^\circ 8'$			Mean..... +0.015 +0.27			$\delta = -29^\circ 22' 47''.22$			Mag. corr.... +0.008		
1903			Mag. corr.... +0.004			1906			B. D. +17° 517		
Oct. 19 Ei.Y. 48.78 25.6 W.			B. D. +12° 452			Jan. 10 Bs. +0.06 +0.4 W.			$\alpha = 3^h 9^m$		
20 Ei.Y. 48.81 24.5 W.			$\alpha = 3^h 5^m$			30 Br. +0.04 +0.3			$\delta = +17^\circ 39'$		
1905			$\delta = +12^\circ 40'$			Sept. 19 P. +0.14 +0.1 W.			1903		
Jan. 16 Ei.Y. 48.77 24.8 E.			1903			1907			Sept. 28 Ei.Y. 6.82 22.2 W.		
Dec. 23 Ei.Y. 48.85 25.5 W.			Oct. 19 Ei.Y. 48.78 25.6 W.			Sept. 11 M. +0.08 +0.8 E.			29 Ei.Y. 6.75 22.0 W.		
Mean..... 48.802 25.10			1904			Dec. 11 M. +0.10 +0.6			1904		
Mag. corr.... +0.008			1905			12 Hl. +0.06 +1.0			Dec. 19 Ei.M. 6.82 21.8 E.		
48 H. Cephei			1906			1908			1905		
$\alpha = 3^h 7^m 37^s.385$			Jan. 10 P. +0.09 +2.7			Jan. 10 P. +0.09 +2.7			Dec. 6 Ei.Y. 6.80 22.0 W.		
$\delta = +77^\circ 22' 2''.31$			8 Hl. +0.08 +0.5			17 P.M. +0.10 +0.2 E.			Mean..... 6.798 22.00		
1905			12 Br. +0.14 -0.2			Sept. 3 P. +0.08 +0.7 W.			Mag. corr.... -0.010		
Oct. 3 Bs. +0.02 +1.1 W.			14 Bs. -0.09 +0.8			7 P. +0.04 +0.5 W.			§ Arietis		
Nov. 25 Bs. -0.18 -0.3 W.			1907			1910			$\alpha = 3^h 9^m 9^s.093$		
1907			Jan. 4 P. +0.09 +1.6 E.			Jan. 4 P. +0.09 +1.6 E.			$\delta = +20^\circ 40' 25''.40$		
Aug. 30 M. -0.02 -0.7 E.			7 P. +0.15 +1.4			7 P. +0.15 +1.4			1903		
Mean..... +0.089 +0.82			8 L. +0.06 +0.8			8 L. +0.06 +0.8			Sept. 19 Ei.Y. +0.03 +1.1 W.		
Mag. corr.... -0.005			10 M. +0.16 +0.4 E.			10 M. +0.16 +0.4 E.			21 Ei.Y. +0.04 +1.2 W.		

1903	"		ζ Eridani		1905	"		κ Ceti	
Oct. 12	Ei.Y.	+0.05	+0.2	W.	Dec. 7	Ei.Y.	37.16	56.1	W.
13	Ei.Y.	0.00	+0.3						
27	Ei.Y.	-0.02	+0.6		Mean.....		37.142	55.98	
29	Ei.Y.	+0.02	+0.6		Mag. corr....		-0.013		
Dec. 31	Br.	0.00	+0.9		B. D. +24° 464				
1904					α = 3 ^h 12 ^m				
Feb. 2	Br.	+0.04	+0.3		δ = +24° 30'				
3	R.	-0.03	+1.1		1903				
4	Br.	+0.03	+1.5	W.	Oct. 27	Ei.Y.	10.51	44.0	W.
Oct. 18	Ei.Y.	0.00	+0.8	E.	29	Ei.Y.	10.51	43.9	W.
Dec. 21	Ei.M.	+0.05	+1.4	E.	1905				
1905					Jan. 14	Ei.M.	10.61	44.5	E.
Dec. 4	Ei.Y.	+0.04	+0.4	W.	Dec. 5	Ei.Y.	10.58	44.4	W.
10	Hl.	+0.04	+1.5		Mean.....		10.552	44.20	
23	Ei.Y.	+0.05	+1.3		Mag. corr....		+0.005		
26	Ei.Y.	+0.06	+0.7	W.	B. D. +13° 535				
1907					α = 3 ^h 12 ^m				
Dec. 14	Hl.	-0.08	...	E.	δ = +13° 28'				
19	M.	+0.06	+0.7		1903				
23	M.	+0.01	+0.7		Dec. 3	Ei.Y.	20.73	49.8	W.
1908					7	Ei.Y.	20.69	50.3	W.
Jan. 3	P.	-0.01	+1.5		1904				
20	Hl.	-0.02	+0.9		Dec. 16	Ei.M.	20.68	50.2	E.
24	Hl.	+0.05	+0.4		1905				
25	Hl.	+0.01	+0.6	E.	Dec. 13	Ei.Y.	20.76	50.0	W.
Sept. 17	P.	+0.07	+0.1	W.	Mean.....		20.715	50.08	
1909					Mag. corr....		+0.007		
Jan. 25	M.	+0.06	+0.3		B. D. +14° 550				
26	L.	-0.04	+0.8	W.	α = 3 ^h 12 ^m				
Aug. 8	L.	[+0.01]	[+1.3]	E.	δ = +14° 49'				
Oct. 2	P.	-0.05	+1.1		1903				
28	M.	+0.02	+1.5		Sept. 24	Ei.Y.	52.75	10.3	W.
29	L.	-0.02	+1.4		25	Ei.Y.	52.78	10.0	W.
30	P.	+0.05	+0.9		1904				
Dec. 24	P.	0.00	+1.3		Oct. 22	Ei.M.	52.75	8.6	E.
1910					1905				
Jan. 7	P.	+0.04	+1.4		Dec. 26	Ei.Y.	52.78	9.1	W.
15	L.	-0.02	+1.1		Mean.....		52.765	9.50	
16	P.	+0.02	+1.1		Mag. corr....		+0.003		
Feb. 15	P.	....	[+1.1]		B. D. +11° 459				
Aug. 26	P.	0.00	+1.5		α = 3 ^h 13 ^m				
Sept. 21	M.	+0.01	+1.3		δ = +12° 5'				
22	L.	+0.02	+1.6		1903				
26	P.	+0.02	+0.8		Sept. 28	Ei.Y.	44.31	17.7	W.
Oct. 20	M.	+0.05	+0.9		29	Ei.Y.	44.26	17.2	W.
23	M.	+0.08	+0.6		1904				
Nov. 19	P.	0.00	...		Dec. 19	Ei.M.	44.30	16.8	E.
Dec. 12	P.	+0.04	+0.8		1905				
13	M.	+0.09	+1.3		Dec. 6	Ei.Y.	44.24	16.7	W.
1911					Mean.....		44.278	17.10	
Jan. 10	P.	+0.07	+1.4	E.	Mag. corr....		-0.003		
Mean.....		+0.021	+0.95		B. D. +18° 459				
Mag. corr....		0.000			α = 3 ^h 14 ^m				
B. D. +38° 682					δ = +18° 42'				
α = 3 ^h 10 ^m					1903				
δ = +38° 15'					Oct. 12	Ei.Y.	5.77	46.9	W.
1906					13	Ei.Y.	5.76	46.6	W.
Sept. 5	Hl.	5.95	55.8	W.	1904				
9	Hl.	6.01	56.1		Dec. 21	Ei.M.	5.75	47.7	E.
Oct. 7	Hl.	6.06	55.4		1905				
14	Hl.	5.89	56.0	W.	Dec. 4	Ei.Y.	5.79	46.7	W.
Mean.....		5.978	55.82		Mean.....		5.768	46.98	
Mag. corr....		0.000			Mag. corr....		+0.008		
B. D. +11° 456					B. D. +25° 536				
α = 3 ^h 10 ^m					α = 3 ^h 14 ^m				
δ = +11° 15'					δ = +25° 18'				
1903					1903				
Oct. 19	Ei.Y.	34.38	30.7	W.	Oct. 12	Ei.Y.	5.77	46.9	W.
20	Ei.Y.	34.35	29.9	W.	13	Ei.Y.	5.76	46.6	W.
1905					1904				
Jan. 16	Ei.Y.	34.40	29.9	E.	Dec. 21	Ei.M.	5.75	47.7	E.
Dec. 23	Ei.Y.	34.45	30.8	W.	1905				
Mean.....		34.395	30.32		Dec. 4	Ei.Y.	5.79	46.7	W.
Mag. corr....		+0.001			Mean.....		5.768	46.98	
B. D. +21° 432					Mag. corr....		+0.008		
α = 3 ^h 11 ^m					B. D. +12° 5'				
δ = +21° 54'					1903				
1903					Oct. 12	Ei.Y.	5.77	46.9	W.
Nov. 9	Ei.Y.	37.14	55.4	W.	13	Ei.Y.	5.76	46.6	W.
23	Ei.Y.	37.11	55.6	W.	1904				
1904					Dec. 21	Ei.M.	5.75	47.7	E.
Nov. 30	Ei.Y.	37.16	56.8	E.	1905				
B. D. +12° 5'					Dec. 4	Ei.Y.	5.79	46.7	W.
α = 3 ^h 14 ^m					Mean.....		5.768	46.98	
δ = +12° 5'					Mag. corr....		+0.008		
1903					B. D. +23° 442				
Oct. 12	Ei.Y.	34.38	30.7	W.	α = 3 ^h 14 ^m				
20	Ei.Y.	34.35	29.9	W.	δ = +23° 19'				
1905					1903				
Jan. 16	Ei.Y.	34.40	29.9	E.	Dec. 3	Ei.Y.	29.61	41.8	W.
Dec. 23	Ei.Y.	34.45	30.8	W.	7	Ei.Y.	29.58	41.4	W.
Mean.....		34.395	30.32		1904				
Mag. corr....		+0.001			Dec. 16	Ei.M.	29.65	41.5	E.
B. D. +11° 456					1905				
α = 3 ^h 10 ^m					Dec. 13	Ei.Y.	29.64	41.9	W.
δ = +11° 15'					Mean.....		29.620	41.65	
1903					Mag. corr....		+0.007		
Oct. 19	Ei.Y.	34.38	30.7	W.	B. D. +25° 536				
20	Ei.Y.	34.35	29.9	W.	α = 3 ^h 14 ^m				
1905					δ = +25° 18'				
Jan. 16	Ei.Y.	34.40	29.9	E.	1903				
Dec. 23	Ei.Y.	34.45	30.8	W.	Nov. 9	Ei.Y.	29.77	9.3	W.
Mean.....		34.395	30.32		Dec. 11	Ei.Y.	29.80	9.3	W.
Mag. corr....		+0.001			1905				
B. D. +11° 456					Jan. 14	Ei.M.	29.78	9.5	E.
α = 3 ^h 10 ^m					Dec. 5	Ei.Y.	29.77	9.2	W.
δ = +11° 15'					Mean.....		29.780	9.32	
1903					Mag. corr....		+0.019		
Oct. 19	Ei.Y.	34.38	30.7	W.	B. D. +18° 459				
20	Ei.Y.	34.35	29.9	W.	α = 3 ^h 14 ^m				
1905					δ = +18° 42'				
Jan. 16	Ei.Y.	34.40	29.9	E.	1903				
Dec. 23	Ei.Y.	34.45	30.8	W.	Oct. 12	Ei.Y.	5.77	46.9	W.
Mean.....		34.395	30.32		13	Ei.Y.	5.76	46.6	W.
Mag. corr....		+0.001			1904				
B. D. +11° 456					Dec. 21	Ei.M.	5.75	47.7	E.
α = 3 ^h 10 ^m					1905				
δ = +11° 15'					Dec. 4	Ei.Y.	5.79	46.7	W.
1903					Mean.....		5.768	46.98	
Oct. 19	Ei.Y.	34.38	30.7	W.	Mag. corr....		+0.008		
20	Ei.Y.	34.35	29.9	W.	B. D. +23° 442				
1905					α = 3 ^h 14 ^m				
Jan. 16	Ei.Y.	34.40	29.9	E.	δ = +23° 19'				
Dec. 23	Ei.Y.	34.45	30.8	W.	1903				
Mean.....		34.395	30.32		Dec. 3	Ei.Y.	29.61	41.8	W.
Mag. corr....		+0.001			7	Ei.Y.	29.58	41.4	W.
B. D. +11° 456					1904				
α = 3 ^h 10 ^m					Dec. 16	Ei.M.	29.65	41.5	E.
δ = +11° 15'					1905				
1903					Dec. 13	Ei.Y.	29.64	41.9	W.
Oct. 19	Ei.Y.	34.38	30.7	W.	Mean.....		29.620	41.65	
20	Ei.Y.	34.35	29.9	W.	Mag. corr....		+0.007		
1905					B. D. +25° 536				
Jan. 16	Ei.Y.	34.40	29.9	E.	α = 3 ^h 14 ^m				
Dec. 23	Ei.Y.	34.45	30.8	W.	δ = +25° 18'				
Mean.....		34.395	30.32		1903				
Mag. corr....		+0.001			Nov. 9	Ei.Y.	29.77	9.3	W.
B. D. +11° 456					Dec. 11	Ei.Y.	29.80	9.3	W.
α = 3 ^h 10 ^m					1905				
δ = +11° 15'					Jan. 14	Ei.M.	29.78	9.5	E.
1903					Dec. 5	Ei.Y.	29.77	9.2	W.
Oct. 19	Ei.Y.	34.38	30.7	W.	Mean.....		29.780	9.32	
20	Ei.Y.	34.35	29.9	W.	Mag. corr....		+0.019		
1905					B. D. +18° 459				
Jan. 16	Ei.Y.	34.40	29.9	E.	α = 3 ^h 14 ^m				
Dec. 23	Ei.Y.	34.45	30.8	W.	δ = +18° 42'				
Mean.....		34.395	30.32		1903				
Mag. corr....		+0.001			Oct. 12	Ei.Y.	5.77	46.9	W.
B. D. +11° 456					13	Ei.Y.	5.76	46.6	W.
α = 3 ^h 10 ^m					1904				
δ = +11° 15'					Dec. 21	Ei.M.	5.75	47.7	E.
1903					1905				
Oct. 19	Ei.Y.	34.38	30.7	W.	Dec. 4	Ei.Y.	5.79	46.7	W.
20	Ei.Y.	34.35	29.9	W.	Mean.....		5.768	46.98	
1905					Mag. corr....		+0.008		
Jan. 16	Ei.Y.	34.40	29.9	E.	B. D. +23° 442				
Dec. 23	Ei.Y.	34.45	30.8	W.	α = 3 ^h 14 ^m				
Mean.....		34.395	30.32		δ = +23° 19'				
Mag. corr....		+0.001			1903				
B. D. +11° 456					Dec. 3	Ei.Y.	29.61	41.8	W.
α = 3 ^h 10 ^m					7	Ei.Y.	29.58	41.4	W.
δ = +11° 15'					1904				
1903					Dec. 16	Ei.M.	29.65	41.5	E.
Oct. 19	Ei.Y.	34.38	30.7	W.	1905				
20	Ei.Y.	34.35	29.9	W.	Dec. 13	Ei.Y.	29.64	41.9	W.
1905					Mean.....		29.620	41.65	
Jan. 16	Ei.Y.	34.40	29.9	E.	Mag. corr....		+0.007		
Dec. 23	Ei.Y.	34.45	30.8	W.	B. D. +25° 536				
Mean.....		34.395	30.32		α = 3 ^h 14 ^m				
Mag. corr....		+0.001			δ = +25° 18'				
B. D. +11° 456					1903				
α = 3 ^h 10 ^m					Nov. 9	Ei.Y.	29.77	9.3	W.
δ = +11° 15'					Dec. 11	Ei.Y.	29.80	9.3	W.
1903					1905				
Oct. 19	Ei.Y.	34.38	30.7	W.	Jan. 14	Ei.M.	29.78	9.5	E.
20	Ei.Y.	34.35	29.9	W.	Dec. 5	Ei.Y.	29.77	9.2	W.
1905					Mean.....		29.780	9.32	
Jan. 16	Ei.Y.	34.40	29.9	E.	Mag. corr....		+0.019		
Dec. 23	Ei.Y.	34.45	30.8	W.	B. D. +18° 459				
Mean.....		34.395	30.32		α = 3 ^h 14 ^m				
Mag. corr....		+0.001			δ = +18° 42'				
B. D. +11° 456					1903				
α = 3 ^h 10 ^m					Oct. 12	Ei.Y.	5.77	46.9	W.
δ = +11° 15'					13	Ei.Y.	5.76	46.6	W.
1903					1904				
Oct. 19	Ei.Y.	34.38	30.7	W.	Dec. 21	Ei.M.	5.75	47.7	E.
20	Ei.Y.	34.35	29.9	W.	1905				
1905					Dec. 4	Ei.Y.	5.79	46.7	W.
Jan. 16	Ei.Y.	34.40	29.9						

B. D. +38° 701			B. D. +20° 551			B. D. +12° 473			1904		
$\alpha = 3^h 14^m$ $\delta = +38^\circ 21'$			$\alpha = 3^h 16^m$ $\delta = +20^\circ 23'$			$\alpha = 3^h 18^m$ $\delta = +12^\circ 16'$			s "		
1908	s "		1903	s "		1903	s "		Feb. 9 Br.	+0.06	+0.9 W.
Jan. 24 Hl.	48.48	24.0 E.	Sept. 28 Ei.Y.	59.89	4.7 W.	Dec. 3 Ei.Y.	39.92	29.8 W.	Sept. 15 M.	+0.06	+0.1 E.
25 Hl.	48.52	23.7 E.	29 Ei.Y.	59.81	4.4 W.	7 Ei.Y.	39.96	29.7 W.	21 T.	+0.07	+0.4
Mean.....	48.500	23.85	1904	s "		1904	s "		Oct. 24 Ei.Y.	0.00	+0.2
Mag. corr....	0.000		Dec. 19 Ei.M.	59.84	4.4 E.	Dec. 16 Ei.M.	39.93	29.7 E.	1905	s "	
r^1 Arietis.			Dec. 6 Ei.Y.	59.85	3.8 W.	Dec. 13 Ei.Y.	39.94	30.6 W.	Jan. 21 M.	+0.01	+0.8 E.
$\alpha = 3^h 15^m 27^s.153$ $\delta = +20^\circ 47' 11''.72$			Mean.....	59.848	4.32	Mean.....	39.938	29.95	Aug. 31 Br.	-0.01	+0.6 W.
1903	s "		Mag. corr....	-0.001		Mag. corr....	+0.021		Sept. 6 Bs.	+0.06	-0.3
Sept. 24 Ei.Y.	0.00	+1.2 W.	α Persei			B. D. +20° 556			18 Bs.	+0.07	+0.2
25 Ei.Y.	-0.04	+0.8	$\alpha = 3^h 17^m 10^s.839$ $\delta = +49^\circ 30' 19''.14$			$\alpha = 3^h 18^m$ $\delta = +20^\circ 26'$			21 Hl.	+0.06	+0.8
Nov. 9 Ei.Y.	-0.03	+0.4	1906	s "		1903	s "		1906	s "	
Dec. 11 Ei.Y.	0.00	+1.2	Jan. 10 Bs.	+0.02	+0.7 W.	Nov. 9 Ei.Y.	40.00	55.1 W.	Oct. 6 Hl.	+0.06	+0.5 W.
29 Br.	0.00	+0.1	30 Br.	+0.01	+0.7 W.	Dec. 11 Ei.Y.	40.05	55.7 W.	1907	s "	
31 Br.	+0.04	+0.6	1907	s "		1905	s "		Aug. 30 M.	0.00	+0.4 E.
1904	s "		Sept. 6 M.	+0.06	+0.7 E.	Jan. 16 Ei.Y.	40.02	55.9 E.	Sept. 26 Hl.	+0.02	+0.5
Jan. 24 Br.	+0.02	+1.4 W.	13 P.	+0.06	+0.6	Dec. 5 Ei.Y.	40.00	56.1 W.	Dec. 14 Hl.	+0.04	...
Sept. 16 T.	-0.06	+0.5 E.	Nov. 26 P.	+0.05	+0.2	Mean.....	40.018	55.70	1908	s "	
22 M.	+0.02	+0.5	Dec. 28 P.	+0.05	...	Mag. corr....	-0.009		Jan. 3 P.	+0.02	+1.2
26 T.	+0.07	+0.4	1908	s "		B. D. +21° 447			15 M.	+0.04	+0.3
Oct. 22 Ei.M.	+0.04	+0.6	Jan. 10 P.	+0.06	+0.2 E.	$\alpha = 3^h 18^m$ $\delta = +21^\circ 41'$			18 M.P.	-0.02	+0.7
23 M.	+0.01	...	Sept. 10 P.	+0.03	+0.6 W.	1903	s "		22 P.	-0.03	+0.6 E.
24 Ei.Y.	+0.01	+0.8	14 P.	+0.10	+0.2	Sept. 24 Ei.Y.	45.64	11.2 W.	Sept. 17 P.	-0.02	...
Nov. 20 Br.	-0.03	+1.1	15 Fk.	+0.05	-0.8	25 Ei.Y.	45.67	9.6 W.	1909	s "	
30 Ei.Y.	-0.02	+1.4	1909	s "		1904	s "		Jan. 19 P.	+0.10	+0.3
Dec. 18 Br.	-0.02	+0.6	Jan. 25 M.	-0.01	+0.6 W.	1905	s "		20 L.	+0.06	+1.0
29 Br.	+0.01	+0.3	Mean.....	+0.044	+0.37	Oct. 22 Ei.M.	45.68	9.8 E.	22 P.	+0.06	+0.4 W.
1905	s "		Mag. corr....	+0.008		Dec. 26 Ei.Y.	45.72	10.1 W.	Oct. 2 P.	+0.05	+0.6 E.
Jan. 16 Ei.Y.	-0.02	+0.3	B. D. +16° 433			Mean.....	45.678	10.18	28 M.	+0.08	+0.9
30 Y.	-0.02	+0.6 E.	$\alpha = 3^h 17^m$ $\delta = +16^\circ 12'$			Mag. corr....	+0.013		30 P.	+0.04	+0.5
Aug. 31 Br.	0.00	+1.0 W.	1903	s "		B. D. +14° 559			Dec. 24 P.	+0.02	+0.7
Sept. 13 Bs.	-0.04	+1.4	Oct. 12 Ei.Y.	41.43	35.1 W.	$\alpha = 3^h 19^m$ $\delta = +14^\circ 37'$			1910	s "	
15 Bs.	-0.01	+0.5	13 Ei.Y.	41.47	35.1 W.	1903	s "		Jan. 15 L.	+0.01	+0.9
18 Bs.	+0.01	+0.4	1904	s "		Sept. 29 Ei.Y.	10.06	11.6 W.	16 P.	+0.03	+0.5
21 Hl.	+0.02	+1.2	Dec. 21 Ei.M.	41.50	35.8 E.	Oct. 20 Ei.Y.	10.06	10.7 W.	Feb. 15 P.	....	[+0.1]
24 Hl.	+0.01	+1.3	1905	s "		Dec. 19 Ei.M.	10.08	11.2 E.	Sept. 21 M.	+0.05	+0.6
26 Bs.	0.00	+1.5	Dec. 4 Ei.Y.	41.48	35.1 W.	1905	s "		22 L.	+0.04	+0.9
29 Hl.	+0.02	+1.5	Mean.....	41.470	35.28	Dec. 6 Ei.Y.	10.10	11.5 W.	26 P.	+0.05	+0.2
Oct. 3 Bs.	-0.04	+0.2	Mag. corr....	-0.006		Mean.....	10.075	11.25	Oct. 20 M.	+0.10	+0.4
12 Br.	+0.06	+0.6	B. D. +19° 523			Mag. corr....	-0.003		23 M.	+0.06	+0.1
14 Bs.	-0.06	+0.3	$\alpha = 3^h 18^m$ $\delta = +19^\circ 33'$			B. D. +37° 768			24 P.	+0.03	-0.4
Nov. 29 Bs.	-0.01	+0.4	1903	s "		$\alpha = 3^h 19^m$ $\delta = +37^\circ 53'$			Nov. 19 P.	+0.08	...
Dec. 10 Hl.	+0.01	+0.9	Oct. 19 Ei.Y.	16.71	4.1 W.	1903	s "		Dec. 12 P.	+0.02	+0.2
12 Br.	+0.02	+0.4	22 Ei.Y.	16.66	2.7 W.	Sept. 29 Ei.Y.	10.06	11.6 W.	13 M.	+0.09	+0.9
13 Ei.Y.	-0.01	+1.1	1905	s "		Oct. 20 Ei.Y.	10.06	10.7 W.	1911	s "	
26 Ei.Y.	+0.06	+0.5	Jan. 14 Ei.M.	16.66	5.0 E.	Dec. 19 Ei.M.	10.08	11.2 E.	Jan. 8 P.	+0.02	+0.3
1906	s "		Dec. 23 Ei.Y.	16.71	4.7 W.	1905	s "		Feb. 4 L.	+0.04	+0.2
Jan. 9 Br.	-0.02	+1.1	Mean.....	16.685	4.12	Dec. 6 Ei.Y.	10.10	11.5 W.	5 P.	-0.02	+0.7 E.
18 Hl.	0.00	...	Mag. corr....	+0.009		Mean.....	10.075	11.25	Mean.....	+0.037	+0.53
24 Bs.	-0.02	+0.4	B. D. +24° 481			Mag. corr....	-0.003		Mag. corr....	-0.004	
29 Bs.	-0.01	+0.9	$\alpha = 3^h 18^m$ $\delta = +24^\circ 22'$			B. D. +17° 550			$\alpha = 3^h 19^m$ $\delta = +17^\circ 23'$		
31 Bs.	-0.04	+0.7	1903	s "		$\alpha = 3^h 19^m$ $\delta = +17^\circ 23'$			1903	s "	
Sept. 5 Hl.	-0.04	+0.6	Oct. 19 Ei.Y.	16.71	4.1 W.	1903	s "		Oct. 12 Ei.Y.	43.84	34.5 W.
9 Hl.	-0.03	+1.2	22 Ei.Y.	16.66	2.7 W.	1904	s "		13 Ei.Y.	43.77	34.4 W.
19 P.	+0.02	+0.6	1905	s "		1904	s "		Dec. 21 Ei.M.	43.81	34.9 E.
Oct. 7 Hl.	0.00	+0.5	Jan. 14 Ei.M.	16.66	5.0 E.	Dec. 19 Ei.M.	10.08	11.2 E.	1905	s "	
8 Ei.P.	0.00	0.0	Dec. 23 Ei.Y.	16.71	4.7 W.	1905	s "		Dec. 4 Ei.Y.	43.84	34.6 W.
14 Hl.	0.00	+0.5 W.	Mean.....	16.685	4.12	Jan. 24 Hl.	24.16	28.9 E.	Mean.....	43.815	34.60
1907	s "		Mag. corr....	+0.009		25 Hl.	24.07	28.9 E.	Mag. corr....	-0.003	
Sept. 11 M.	-0.02	+0.2 E.	B. D. +24° 481			Mean.....	24.115	28.90	B. D. +13° 545		
24 P.	0.00	+1.2	$\alpha = 3^h 18^m$ $\delta = +24^\circ 22'$			Mag. corr....	0.000		$\alpha = 3^h 19^m$ $\delta = +13^\circ 44'$		
27 P.	+0.04	+0.9	1903	s "		o Tauri			1903	s "	
Dec. 14 Hl.	+0.05	...	Oct. 27 Ei.Y.	24.05	11.7 W.	$\alpha = 3^h 19^m 25^s.807$ $\delta = +8^\circ 40' 36''.81$			Oct. 19 Ei.Y.	51.18	5.7 W.
1908	s "		29 Ei.Y.	24.08	12.3 W.	1903	s "		22 Ei.Y.	51.22	4.5 W.
Jan. 6 M.	-0.04	+0.8	1904	s "		1904	s "		1905	s "	
9 M.	+0.02	+0.8	Nov. 30 Ei.Y.	24.03	12.5 E.	Dec. 29 Br.	+0.03	0.0 W.	Jan. 14 Ei.M.	51.19	6.5 E.
22 P.	+0.04	+0.5 E.	1905	s "		1904	s "		Dec. 23 Ei.Y.	51.22	5.8 W.
Sept. 17 P.	+0.04	+1.0 W.	Dec. 7 Ei.Y.	24.09	11.6 W.	Feb. 2 Br.	+0.04	+0.3	Mean.....	51.202	5.63
Dec. 5 L.	+0.04	+0.2 W.	Mean.....	24.062	12.02	3 R.	-0.01	+1.2	Mag. corr....	+0.001	
1911	s "		Mag. corr....	-0.007		4 Br.	+0.01	+1.1			
Jan. 10 P.	+0.02	+0.9 E.				8 Br.	+0.06	+1.2 W.			
Mean.....	+0.001	+0.74									
Mag. corr....	-0.001										

B. D. +37° 771			1906			B. D. +14° 565			s Tauri		
$\alpha = 3^h 20^m$			$\alpha = 3^h 20^m$			$\alpha = 3^h 23^m$			$\alpha = 3^h 24^m$		
$\delta = +37^\circ 41'$			$\delta = +37^\circ 41'$			$\delta = +14^\circ 39'$			$\delta = +10^\circ 59'$		
1906			1907			1903			1903		
Sept. 5 HI.	57.90	41.4 W.	Sept. 6 M.	+0.02	+1.2 E.	Sept. 28 Ei.Y.	23.46	4.6 W.	Nov. 9 Ei.Y.	56.48	36.9 W.
9 HI.	57.92	41.3	Dec. 14 HI.	+0.05	... E.	29 Ei.Y.	23.35	4.4 W.	Dec. 11 Ei.Y.	56.54	37.4
Oct. 7 HI.	57.90	41.3	1908			1904			1904		
14 HI.	57.97	41.4 W.	Sept. 14 P.	+0.09	+1.3 W.	Oct. 24 Ei.Y.	23.35	4.0 E.	Feb. 2 Br.	56.48	36.2
Mean.....	57.922	41.35	15 Fk.	+0.01	+0.7	1905			3 R.	56.40	37.5
Mag. corr....	-0.001		17 P.	-0.08	+1.4 W.	Dec. 6 Ei.Y.	23.34	4.1 W.	4 Br.	56.51	37.6
2 H. Camelopardalis			1909			Mean.....	23.375	4.28	8 Br.	56.50	37.6
$\alpha = 3^h 20^m 58^s.111$			Oct. 2 P.	0.00	+1.7 E.	Mag. corr....	+0.008		9 Br.	56.48	37.8 W.
$\delta = +59^\circ 35' 30''.96$			29 L.	-0.02	+1.7				Dec. 19 Ei.M.	56.48	36.9 E.
1905			30 P.	+0.01	-0.5				1905		
Nov. 29 Bs.	-0.05	-0.7 W.	1910			σ Persei			Dec. 5 Ei.Y.	56.45	37.2 W.
1906			Jan. 16 P.	-0.06	+1.9	$\alpha = 3^h 23^m$			1907		
Jan. 9 Br.	-0.14	+0.3	19 L.	-0.05	+2.0	$\delta = +47^\circ 39'$			Sept. 24 P.	56.48	37.6 E.
16 Br.	-0.15	+0.4	25 P.	+0.01	+1.4				Nov. 26 P.	56.47	36.7
18 HI.	-0.16	0.0	Feb. 2 P.	-0.01	+0.6				Dec. 28 P.	56.56	...
24 Bs.	+0.01	-0.5 W.	15 P.	....	[+0.6]	1905			1908		
1907			Aug. 26 P.	+0.03	+1.1	Jan. 21 M.	31.25	0.3 E.	Jan. 18 M.P.	56.45	37.2 E.
Sept. 11 M.	-0.14	+0.2 E.	Oct. 24 P.	+0.05	+1.0	Aug. 31 Br.	31.28	0.7 W.	Sept. 8 Fk.	56.44	37.1 W.
15 M.	-0.14	-0.3	Nov. 19 P.	+0.04	...	Sept. 6 Bs.	31.24	0.6	Mean.....	56.480	37.21
Nov. 26 P.	+0.02	+0.5	Dec. 12 P.	+0.06	+0.9	18 Bs.	31.23	0.8	Mag. corr....	0.000	
Dec. 28 P.	-0.08	...	13 M.	0.00	+1.5	27 HI.	31.24	0.5			
1908			1911			1906			B. D. +24° 503		
Jan. 10 P.	-0.08	+0.5 E.	Jan. 8 P.	+0.04	+1.6	Oct. 6 HI.	31.26	0.6 W.	$\alpha = 3^h 25^m$		
Sept. 3 P.	-0.09	-0.3 W.	Feb. 4 L.	+0.05	+1.3	1907			$\delta = +24^\circ 54'$		
Mean.....	-0.091	+0.01	5 P.	+0.02	+1.7 E.	Sept. 13 P.	31.25	0.7 E.	1903		
Mag. corr....	+0.005		Mean.....	+0.021	+1.20	26 HI.	31.31	1.4	Oct. 27 Ei.Y.	19.05	52.0 W.
B. D. +18° 484			Mag. corr....	-0.005		Oct. 25 HI.	31.33	0.7	29 Ei.Y.	19.11	52.4 W.
$\alpha = 3^h 21^m$			B. D. +23° 456			1908			1905		
$\delta = +18^\circ 24'$			$\alpha = 3^h 21^m$			Jan. 15 M.	31.34	0.8	Jan. 16 Ei.Y.	19.10	51.5 E.
1903			$\delta = +23^\circ 50'$			22 P.	31.34	0.6 E.	Dec. 7 Ei.Y.	19.16	52.2 W.
Oct. 27 Ei.Y.	20.59	23.9 W.	1903			Mean.....	31.279	0.70	Mean.....	19.105	52.02
29 Ei.Y.	20.72	23.9 W.	Nov. 9 Ei.Y.	55.91	4.1 W.	Mag. corr....	+0.003		Mag. corr....	-0.001	
1904			Dec. 11 Ei.Y.	55.95	4.6 W.	B. D. +16° 450			f Tauri		
Nov. 30 Ei.Y.	20.68	24.8 E.	1904			$\alpha = 3^h 24^m$			$\alpha = 3^h 25^m 21^s.077$		
1905			Dec. 19 Ei.M.	55.94	4.7 E.	$\delta = +16^\circ 25'$			$\delta = +12^\circ 35' 38''.74$		
Dec. 7 Ei.Y.	20.72	23.8 W.	1905			1903			1903		
Mean.....	20.678	24.10	Dec. 5 Ei.Y.	55.91	4.3 W.	Oct. 12 Ei.Y.	3.87	4.6 W.	Sept. 11 L.	+0.09	-1.0 W.
Mag. corr....	+0.019		Mean.....	55.928	4.42	13 Ei.Y.	3.86	4.5 W.	24 Ei.Y.	-0.01	+1.5
ξ Tauri			Mag. corr....	-0.001		1904			25 Ei.Y.	+0.02	+0.8
$\alpha = 3^h 21^m 44^s.948$			B. D. +22° 495			1905			Oct. 20 Ei.Y.	+0.01	-0.4
$\delta = +9^\circ 23' 2''.22$			$\alpha = 3^h 22^m$			Dec. 4 Ei.Y.	3.91	3.9 W.	22 Ei.Y.	-0.04	-0.5
1903			$\delta = +22^\circ 27'$			Mean.....	3.880	4.63	Dec. 3 Ei.Y.	-0.01	+0.7
Oct. 20 Ei.Y.	-0.06	+0.2 W.	1903			Mag. corr....	+0.012		7 Ei.Y.	-0.01	+1.1
22 Ei.Y.	+0.08	+0.2	Dec. 3 Ei.Y.	35.69	34.2 W.	B. D. +38° 737			1904		
Nov. 3 Ei.Y.	-0.03	+0.3	7 Ei.Y.	35.73	34.1 W.	$\alpha = 3^h 24^m$			Jan. 24 Br.	-0.01	+1.4 W.
Dec. 14 M.	+0.04	+0.8	1904			$\delta = +38^\circ 48'$			Nov. 30 Ei.Y.	+0.01	+0.8 E.
31 Br.	+0.07	+1.2 W.	Dec. 16 Ei.M.	35.72	34.2 E.	1908			Dec. 16 Ei.M.	-0.02	+0.4
1904			1905			Jan. 24 HI.	36.43	20.4 E.	18 Br.	+0.02	0.0
Sept. 16 T.	+0.05	+1.4 E.	Dec. 13 Ei.Y.	35.69	34.4 W.	25 HI.	36.34	20.3 E.	29 Br.	+0.05	+0.5
26 T.	+0.07	+1.4	Mean.....	35.708	34.22	Mean.....	36.385	20.35	1905		
Oct. 23 M.	-0.01	...	Mag. corr....	+0.022		Mag. corr....	-0.003		Jan. 15 Br.	+0.02	+0.8
Nov. 20 Br.	+0.02	+0.8	B. D. +20° 573			B. D. +19° 547			18 Ei.M.	-0.01	+0.1
Dec. 21 Ei.M.	+0.05	+2.1	$\alpha = 3^h 23^m$			$\alpha = 3^h 24^m$			30 Y.	0.00	-0.5 E.
1905			$\delta = +20^\circ 16'$			$\delta = +19^\circ 45'$			Nov. 29 Bs.	+0.02	+0.5 W.
Jan. 16 Ei.Y.	+0.01	+0.7	1903			1903			Dec. 10 HI.	+0.01	+1.1
18 Ei.M.	+0.05	+0.9 E.	Sept. 24 Ei.Y.	1.83	40.5 W.	Oct. 19 Ei.Y.	43.96	41.1 W.	12 Br.	+0.01	+0.1
Sept. 13 Bs.	+0.05	+2.2 W.	25 Ei.Y.	1.85	39.6 W.	Nov. 3 Ei.Y.	43.84	40.3 W.	13 Ei.Y.	+0.05	+1.0
15 Bs.	+0.01	+1.2	1904			1905			1906		
24 HI.	0.00	+1.8	Oct. 22 Ei.M.	1.86	39.7 E.	Jan. 14 Ei.M.	43.88	41.2 E.	Jan. 9 Br.	0.00	+0.8
26 Bs.	+0.06	+1.6	1905			Dec. 23 Ei.Y.	43.94	41.4 W.	16 Br.	-0.05	+1.0
Oct. 3 Bs.	+0.07	+0.8	Dec. 26 Ei.Y.	1.82	39.7 W.	Mean.....	43.905	41.00	24 Bs.	-0.02	+0.8
8 HI.	+0.02	+1.8	Mean.....	1.840	39.88	Mag. corr....	+0.001		29 Bs.	0.00	+0.7
12 Br.	+0.04	+1.7	Mag. corr....	+0.009					31 Bs.	0.00	+1.0 W.
14 Bs.	+0.02	+0.8							1907		
Nov. 25 Bs.	+0.04	+1.4 W.							Sept. 6 M.	-0.04	+0.8 E.

1909			1904			1907			1906		
Oct. 2 P.	0.00	+0.6 E.	Dec. 21 Ei.M.	7.00	25.2 E.	Sept. 6 M.	+0.01	+1.4 E.	Jan. 9 Br.	+0.15	+1.1 W.
28 M.	0.00	+1.0	1905			11 M.	+0.08	+0.6	16 Br.	+0.08	+1.4 W.
29 L.	-0.06	+0.9	Dec. 4 Ei.Y.	7.08	24.8 W.	27 P.	+0.10	-0.3	1907		
30 P.	+0.02	+0.4	Mean.....	7.048	24.90	Oct. 25 Hl.	+0.07	+0.2	Sept. 15 M.	+0.13	+0.2 E.
Dec. 24 P.	-0.06	+0.8	Mag. corr....	+0.001		Dec. 14 Hl.	+0.11	...	24 P.	+0.07	+1.0 E.
1910			B. D. +15° 499			1908			Mean.....		
Jan. 20 M.	+0.03	-0.4	$\alpha = 3^h 27^m$			Jan. 15 M.	+0.02	-0.3	Mag. corr....	+0.008	+0.72
Feb. 1 M.	0.00	+0.7	$\delta = +15^\circ 12'$			17 P.M.	+0.06	+0.3	B. D. +18° 507		
2 P.	+0.08	0.0	1903			13 M.P.	0.00	+0.3	$\alpha = 3^h 29^m$		
14 P.	....	[+0.7]	Oct. 20 Ei.Y.	16.96	33.7 W.	24 Hl.	+0.02	...	$\delta = +18^\circ 34'$		
15 P.	....	[+0.3]	22 Ei.Y.	17.00	33.2 W.	25 Hl.	+0.06	... E.	1903		
16 P.	....	[+0.2]	1905			Sept. 10 P.	+0.06	-0.3 W.	Oct. 12 Ei.Y.	34.80	11.5 W.
Aug. 26 P.	[+0.02]	[+0.8]	Jan. 14 Ei.M.	16.98	35.3 E.	14 P.	+0.10	+0.4	13 Ei.Y.	34.79	11.6 W.
Sept. 21 M.	+0.01	+1.2	Dec. 23 Ei.Y.	17.03	34.4 W.	15 Fk.	+0.08	0.0	1904		
22 L.	-0.01	+1.4	Mean.....	16.992	34.15	17 P.	+0.14	+0.2 W.	Oct. 22 Ei.M.	34.79	11.9 E.
26 P.	+0.04	+0.6	Mag. corr....	-0.006		1909			1905		
Oct. 20 M.	+0.03	+0.9	B. D. +13° 568			Oct. 2 P.	+0.05	+0.7 E.	Dec. 26 Ei.Y.	34.84	12.0 W.
23 M.	+0.02	+0.7	$\alpha = 3^h 27^m$			Jan. 4 P.	+0.01	+0.5	Mean.....	34.805	11.75
Dec. 12 P.	+0.09	-0.1	$\delta = +13^\circ 26'$			7 P.	+0.04	+1.0	Mag. corr....	+0.001	
13 M.	+0.02	+1.1	1903			8 L.	+0.06	+0.3	B. D. +19° 562		
14 L.	+0.03	+0.3	Oct. 27 Ei.Y.	48.19	42.8 W.	10 M.	+0.03	+0.7	$\alpha = 3^h 30^m$		
1911			29 Ei.Y.	48.26	42.7 W.	15 L.	0.00	+0.8	$\delta = +19^\circ 44'$		
Jan. 8 P.	+0.01	+0.5	1905			25 P.	+0.03	+0.4	1903		
9 M.	+0.02	+0.6	Jan. 16 Ei.Y.	48.29	42.6 E.	Feb. 1 M.	+0.08	+0.3	Oct. 19 Ei.Y.	37.57	12.5 W.
10 P.	+0.04	+0.5	Dec. 7 Ei.Y.	48.26	43.0 W.	5 L.	-0.01	+1.4	Nov. 3 Ei.Y.	37.59	12.5 W.
Feb. 4 L.	-0.06	+0.7	Mean.....	48.250	42.78	1911			1904		
5 P.	+0.06	+0.2 E.	Mag. corr....	+0.008		Jan. 10 P.	+0.10	-0.3	Oct. 24 Ei.Y.	37.53	12.5 E.
Mean.....			ε Eridani			Feb. 4 L.	+0.05	0.0	1905		
Mag. corr....			$\alpha = 3^h 28^m$			7 P.	+0.08	+0.2 E.	Dec. 6 Ei.Y.	37.54	11.9 W.
B. D. +21° 474			$\delta = -9^\circ 47'$			Mean.....			Mean.....	37.558	12.35
$\alpha = 3^h 25^m$			$\delta = +21^\circ 28'$			Mag. corr....			Mag. corr....	+0.005	
1903			1903			B. D. +17° 575			B. D. +39° 829		
Sept. 28 Ei.Y.	39.04	54.0 W.	Sept. 24 Ei.Y.	+0.06	+1.6 W.	$\alpha = 3^h 28^m$			$\alpha = 3^h 30^m$		
29 Ei.Y.	38.99	54.2 W.	25 Ei.Y.	+0.07	+0.7	$\delta = +17^\circ 30'$			$\delta = +39^\circ 45'$		
1904			Nov. 3 Ei.Y.	+0.05	+1.0	1903			1906		
Oct. 22 Ei.M.	39.01	53.5 E.	6 Ei.Y.	+0.03	...	Nov. 9 Ei.Y.	26.45	16.8 W.	Sept. 5 Hl.	45.98	33.2 W.
1905			Dec. 11 Ei.Y.	+0.07	+0.6	Dec. 3 Ei.Y.	26.48	17.4 W.	9 Hl.	46.05	32.7
Dec. 26 Ei.Y.	39.08	53.0 W.	15 Ei.Y.	+0.06	-0.5	1904			Oct. 7 Hl.	46.04	32.4
Mean.....			22 Ei.Y.	+0.03	+0.3	Dec. 19 Ei.M.	26.55	16.5 E.	14 Hl.	45.95	32.6 W.
Mag. corr....			31 Br.	+0.03	+0.5	1905			Mean.....		
B. D. +17° 564			1904			Dec. 5 Ei.Y.	26.47	16.7 W.	Mag. corr....	46.005	32.72
$\alpha = 3^h 25^m$			Feb. 4 Br.	0.00	+1.2 W.	Mean.....			B. D. +22° 518		
$\delta = +17^\circ 35'$			Sept. 15 M.	+0.08	-0.2 E.	Mag. corr....			$\alpha = 3^h 31^m$		
1903			16 T.	+0.07	+1.0	B. D. +23° 473			$\delta = +22^\circ 52'$		
Oct. 12 Ei.Y.	40.12	47.0 W.	21 T.	+0.02	+0.6	$\alpha = 3^h 28^m$			1903		
13 Ei.Y.	40.15	47.2 W.	22 M.	+0.05	+0.6	$\delta = +24^\circ 7'$			Oct. 20 Ei.Y.	5.06	49.7 W.
1904			23 T.	+0.09	0.0 E.	1903			22 Ei.Y.	5.07	49.0 W.
Oct. 24 Ei.Y.	40.10	47.3 E.	1905			Sept. 28 Ei.Y.	31.14	45.3 W.	1904		
1905			Sept. 6 Bs.	+0.01	-0.1 W.	29 Ei.Y.	31.13	45.6 W.	Dec. 21 Ei.M.	5.10	50.1 E.
Dec. 6 Ei.Y.	40.09	46.7 W.	8 Bs.	+0.09	+0.6	1904			1905		
Mean.....			13 Bs.	+0.02	+1.3	Dec. 16 Ei.M.	31.14	45.1 E.	Dec. 4 Ei.Y.	5.13	49.5 W.
Mag. corr....			14 Hl.	+0.02	+0.4	1905			Mean.....	5.090	49.58
B. D. +37° 783			15 Bs.	+0.06	+0.8	Dec. 13 Ei.Y.	31.22	45.2 W.	Mag. corr....	+0.015	
$\alpha = 3^h 25^m$			18 Bs.	+0.08	+0.4	Mean.....			10 Tauri		
$\delta = +37^\circ 43'$			21 Hl.	+0.07	+0.5	Mag. corr....			$\alpha = 3^h 31^m$		
1906			24 Hl.	+0.07	+0.7	7 ⁵ Eridani			$\delta = +0^\circ 5'$		
Sept. 5 Hl.	50.82	22.1 W.	26 Bs.	+0.03	+0.7	$\alpha = 3^h 29^m$			$\delta = -21^\circ 58'$		
9 Hl.	50.83	22.3	29 Hl.	+0.07	+0.6	$\delta = -21^\circ 58'$			1903		
Oct. 7 Hl.	50.80	21.7	Oct. 3 Bs.	+0.02	+0.5	1903			Sept. 11 L.	+0.12	+0.3 W.
14 Hl.	50.80	22.2 W.	8 Hl.	+0.10	+0.8	1904			Dec. 18 Br.	+0.13	+0.2 E.
Mean.....			12 Br.	+0.05	+0.6	1905			Jan. 24 Br.	+0.04	+2.0
Mag. corr....			14 Bs.	+0.05	+0.1	Jan. 15 Br.	+0.14	+0.8	1905		
B. D. +23° 463			Nov. 25 Bs.	+0.14	+0.4	30 Y.	+0.07	+0.2 E.	Nov. 25 Bs.	+0.05	+1.0
$\alpha = 3^h 26^m$			Dec. 6 Ei.Y.	+0.08	+0.2	20 Hl.	+0.10	+0.6 W.	Dec. 11 Hl.	-0.05	+1.4
$\delta = +23^\circ 18'$			11 Hl.	+0.04	+1.1	24 P.	+0.15	+1.4 W.	1906		
1903			1906			1903			Jan. 10 Bs.	-0.03	+0.5 W.
Oct. 19 Ei.Y.	7.10	24.8 W.	Jan. 10 Bs.	+0.05	-0.4	Sept. 11 L.	+0.12	+0.3 W.			
Nov. 3 Ei.Y.	7.01	24.8 W.	30 Br.	+0.02	-0.3	Dec. 18 Br.	+0.13	+0.2 E.			
			Sept. 19 P.	+0.08	+0.6	1905					
			20 Hl.	+0.06	0.0	Jan. 15 Br.	+0.14	+0.8			
			24 P.	+0.15	+1.1 W.	30 Y.	+0.07	+0.2 E.			
						Nov. 29 Bs.	+0.10	+0.6 W.			
						Dec. 12 Br.	+0.16	+1.4 W.			

1907			11 H ¹ . Camelopardalis			1907			B. D. +19° 578		
Sept. 11 M.	0.00	+0.8 E.	$\alpha = 3^h 33^m$			Sept. 13 P.	56.58	56.8 E.	$\alpha = 3^h 36^m$		
12 Hl.	+0.05	+0.6	$\delta = +62^\circ 53'$			15 M.	56.39	56.8	$\delta = +19^\circ 22'$		
26 Hl.	0.00	+0.5				23 Hl.	56.70				
Nov. 26 P.	0.00	+1.0				24 P.	57.08	57.0 E.			
1908			1904			Mean.....			1903		
Jan. 14 P.	-0.06	+0.9 E.	Feb. 3 R.	28.27	33.9 W.	Mag. corr....	-0.008	56.59	Sept. 28 Ei.Y.	32.92	49.0 W.
Mean.....			4 Br.	28.32	33.7				29 Ei.Y.	32.79	49.0 W.
Mag. corr....			8 Br.	28.38	34.2				1905		
			9 Br.	28.36	33.2 W.				Jan. 16 Ei.Y.	32.81	48.5 E.
B. D. +23° 483			1907			149 H ¹ . Cephei s. r.			Dec. 7 Ei.Y.	32.81	49.0 W.
$\alpha = 3^h 31^m$			Sept. 6 M.	28.42	33.9 E.	$\alpha = 3^h 33^m$			Mean.....		
$\delta = +23^\circ 55'$			Oct. 25 Hl.	28.44	33.8	$\delta = +86^\circ 19'$			Mag. corr....		
1903			1908			1906			13 H ¹ . Camelopardalis		
Oct. 27 Ei.Y.	47.80	50.7 W.	Jan. 10 P.	28.41	33.7	Feb. 19 Br.	55.46	56.7 W.	$\alpha = 3^h 36^m$		
29 Ei.Y.	47.86	51.7 W.	18 M.P.	28.38	33.4	22 Bs.	56.11	57.1 W.	$\delta = +66^\circ 53'$		
1905			22 P.	28.42	32.6 E.	1907			1906		
Jan. 14 Ei.M.	47.79	51.8 E.	Sept. 8 Fk.	28.40	34.3 W.	June 21 M.	57.09	56.8 E.	Sept. 24 P.	32.90	17.4 W.
Dec. 23 Ei.Y.	47.91	51.1 W.	Mean.....			24 M.	56.84	56.7	Oct. 6 Hl.	32.79	15.8 W.
Mean.....			Mag. corr....			1908			1907		
Mag. corr....			B. D. +13° 579			Mar. 20 P.	56.84	56.7	Sept. 11 M.	32.92	15.2 E.
			$\alpha = 3^h 33^m$			24 P.	57.03	56.0	Nov. 26 P.	33.01	15.6
			$\delta = +13^\circ 34'$			27 P.	57.11	56.7 E.	1908		
B. D. +14° 586			1903			May 1 Fk.	56.51	56.1 W.	Jan. 29 P.	32.82	15.7
$\alpha = 3^h 32^m$			Oct. 19 Ei.Y.	43.24	5.0 W.	10 M.	56.83	56.2	30 M.	32.93	15.7
$\delta = +15^\circ 6'$			Nov. 3 Ei.Y.	43.17	4.6 W.	July 1 M.	56.73	56.7 W.	Feb. 6 P.	32.90	16.1 E.
1903			1904			Mean.....			Sept. 14 P.	32.97	15.6 W.
Nov. 9 Ei.Y.	10.99	7.9 W.	Oct. 22 Ei.M.	43.20	4.5 E.	Mag. corr....	-0.006	56.57	15 Fk.	32.85	15.8
Dec. 3 Ei.Y.	10.95	7.4 W.	1905						22 Fk.	32.95	15.4 W.
1905			Dec. 26 Ei.Y.	43.18	4.1 W.	11 Tauri			Mean.....		
Jan. 16 Ei.Y.	10.98	7.1 E.	Mean.....			$\alpha = 3^h 34^m 47^s.858$			Mag. corr....		
Dec. 7 Ei.Y.	10.96	7.7 W.	Mag. corr....			$\delta = +25^\circ 0' 22''.21$			13 H ¹ . Camelopardalis s. r.		
Mean.....			B. D. +16° 484			1903			$\alpha = 3^h 36^m$		
Mag. corr....			$\alpha = 3^h 33^m$			Nov. 9 Ei.Y.	-0.03	-0.2 W.	$\delta = +66^\circ 53'$		
			$\delta = +16^\circ 12'$			Dec. 3 Ei.Y.	-0.02	+0.1 W.	1905		
B. D. +38° 771			1903			1904			Feb. 23 Br.		
$\alpha = 3^h 32^m$			Oct. 20 Ei.Y.	46.39	41.8 W.	Dec. 18 Br.	0.00	+0.4 E.	24 M.	32.70	15.7
$\delta = +38^\circ 23'$			22 Ei.Y.	46.43	40.2 W.	20 Br.	0.00	-0.1	Mar. 10 M.	32.98	16.6
1908			1904			29 Br.	-0.01	+0.2	12 Y.	32.76	17.4
Jan. 24 Hl.	23.24	6.1 E.	Oct. 24 Ei.Y.	46.35	41.9 E.	1905			1908		
25 Hl.	23.19	6.0 E.	1905			Jan. 14 Ei.M.	-0.06	+0.1	Apr. 6 Fk.	32.96	17.6 E.
Mean.....			Dec. 6 Ei.Y.	46.30	41.7 W.	15 Br.	+0.02	0.0 E.	June 4 M.	33.01	14.6 W.
Mag. corr....			Mean.....			Nov. 29 Bs.	+0.06	0.0 W.	5 P.	33.03	16.1
			Mag. corr....			Dec. 12 Br.	-0.04	-0.1	12 P.	32.87	17.0
B. D. +22° 523			B. D. +17° 601			23 Ei.Y.	0.00	+0.4	July 6 M.	32.88	15.6
$\alpha = 3^h 32^m$			$\alpha = 3^h 33^m$			1906			8 Fk.	33.00	15.8 W.
$\delta = +22^\circ 19'$			$\delta = +18^\circ 3'$			Jan. 9 Br.	-0.03	+0.4	Mean.....		
1903			1903			16 Br.	-0.05	+0.9	Mag. corr....		
Sept. 28 Ei.Y.	48.61	59.8 W.	Oct. 27 Ei.Y.	49.29	51.1 W.	18 Hl.	-0.04	+0.2 W.	B. D. +14° 598		
29 Ei.Y.	48.54	59.2 W.	29 Ei.Y.	49.24	51.4 W.	1908			$\alpha = 3^h 36^m$		
1904			1904			Feb. 1 P.	0.00	+0.3 E.	$\delta = +14^\circ 23'$		
Dec. 19 Ei.M.	48.50	59.8 E.	Dec. 21 Ei.M.	49.35	51.5 E.	Mean.....			1903		
1905			Dec. 4 Ei.Y.	49.42	50.4 W.	Mag. corr....	-0.018	+0.19	Oct. 12 Ei.Y.	36.36	18.2 W.
Dec. 5 Ei.Y.	48.49	59.4 W.	Mean.....			Mag. corr....	+0.017		13 Ei.Y.	36.35	17.8 W.
Mean.....			Mag. corr....			δ Persei			1904		
Mag. corr....			149 H ¹ . Cephei			$\alpha = 3^h 35^m 43^s.154$			Dec. 21 Ei.M.	36.41	19.5 E.
			$\alpha = 3^h 33^m$			$\delta = +47^\circ 23' 4''.23$			1905		
B. D. +20° 602			$\delta = +20^\circ 35'$			1903			Dec. 5 Ei.Y.	36.34	18.0 W.
$\alpha = 3^h 33^m$			1904			Sept. 11 L.	+0.05	+0.3 W.	Mean.....		
$\delta = +20^\circ 35'$			1905			1905			Mag. corr....		
1903			Oct. 12 Ei.Y.	11.78	22.8 W.	Jan. 21 M.	-0.09	+0.6 E.	B. D. +16° 497		
			13 Ei.Y.	11.74	22.0 W.	Nov. 25 Bs.	+0.06	+0.7 W.	$\alpha = 3^h 36^m$		
1904			1905			1906			$\delta = +16^\circ 58'$		
Dec. 16 Ei.M.	11.83	22.8 E.	Sept. 6 Bs.	54.94	57.0 W.	Jan. 10 Bs.	+0.01	+0.3	1903		
1905			Oct. 11 Bs.	54.88	55.7	30 Br.	0.00	+0.4	Oct. 19 Ei.Y.	56.74	23.2 W.
Dec. 13 Ei.Y.	11.80	23.3 W.	1906			Sept. 19 P.	+0.11	+1.4	27 Ei.Y.	56.68	22.3 W.
Mean.....			Jan. 24 Bs.	56.23	56.1	20 Hl.	-0.02	+0.6 W.	1904		
Mag. corr....			29 Bs.	56.11	56.2	1908			Dec. 16 Ei.M.	56.64	22.7 E.
			31 Bs.	56.13	56.5 W.	Jan. 17 P.M.	+0.10	+0.3 E.			
						13 M.P.	+0.02	-0.4			
						22 P.	+0.07	-0.7			
						Feb. 3 P.	+0.06	+0.5 E.			
						Mean.....					
						Mag. corr....	+0.034	+0.36			
						Mag. corr....	0.000				

1905 Dec. 13 Ei.Y. 56.67 23.1 W.	s 23.1 W.	"	Persei α = 3 ^h 38 ^m 23 ^s .874 δ = +42° 15' 46".23	B. D. +20° 621 α = 3 ^h 38 ^m δ = +20° 36'	B. D. +24° 547 α = 3 ^h 39 ^m δ = +24° 9'
Mean..... 56.682 22.82	56.682 22.82				
Mag. corr.... +0.009	+0.009				
B. D. +37° 820					
α = 3 ^h 37 ^m δ = +38° 3'					
1906 Sept. 5 Hl. 25.20 21.6 W.	s 21.6 W.	"	1904 Dec. 18 Br. +0.05 +0.1 E.	1903 Oct. 27 Ei.Y. 38.91 46.4 W.	1903 Oct. 19 Ei.Y. 15.31 13.6 W.
9 Hl. 25.19 21.4	25.19 21.4		20 Br. +0.08 -0.1	29 Ei.Y. 39.00 46.5 W.	Nov. 9 Ei.Y. 15.18 13.9 W.
Oct. 7 Hl. 25.24 21.2	25.24 21.2		29 Br. -0.01 +0.1	1904 Oct. 24 Ei.Y. 38.99 47.0 E.	1905 Jan. 16 Ei.Y. 15.18 13.2 E.
14 Hl. 25.23 21.8 W.	25.23 21.8 W.		1905 Jan. 30 Y. -0.01 0.0	1905 Dec. 6 Ei.Y. 38.98 46.7 W.	Dec. 5 Ei.Y. 15.19 13.3 W.
Mean..... 25.215 21.50	25.215 21.50		1908 Feb. 1 P. +0.01 -0.1 E.	Mean..... 38.970 46.65	Mean..... 15.215 13.50
Mag. corr.... -0.002	-0.002		Sept. 8 Fk. -0.03 +0.5 W.	Mag. corr.... -0.010	Mag. corr.... +0.008
B. D. +19° 582			17 P. +0.05 -0.1	B. D. +23° 505	B. D. +22° 544
α = 3 ^h 38 ^m δ = +19° 20'			Oct. 11 M. +0.02 +0.1	α = 3 ^h 38 ^m δ = +23° 58'	α = 3 ^h 39 ^m δ = +22° 22'
1903 Oct. 20 Ei.Y. 0.16 56.3 W.	s 56.3 W.	"	1909 Jan. 22 P. +0.03 -0.1	1903 Dec. 3 Ei.Y. 51.43 30.0 W.	1903 Oct. 20 Ei.Y. 46.69 54.3 W.
22 Ei.Y. 0.25 56.1 W.	0.25 56.1 W.		25 M. +0.02 0.0 W.	7 Ei.Y. 51.46 29.8 W.	22 Ei.Y. 46.71 53.4 W.
1904 Oct. 22 Ei.M. 0.18 56.3 E.	0.18 56.3 E.		Mean..... +0.021 +0.04	1904 Dec. 21 Ei.M. 51.46 30.6 E.	1904 Dec. 16 Ei.M. 46.63 54.3 E.
1905 Dec. 26 Ei.Y. 0.26 56.6 W.	0.26 56.6 W.		Mag. corr.... -0.006	1905 Dec. 4 Ei.Y. 51.50 30.4 W.	1905 Dec. 13 Ei.Y. 46.68 54.7 W.
Mean..... 0.212 56.32	0.212 56.32			1910 Jan. 10 M. 51.48 30.1 E.	Mean..... 46.678 54.18
Mag. corr.... +0.020	+0.020			15 E. 51.44 30.2	Mag. corr.... -0.001
o Persei α = 3 ^h 38 ^m δ = +31° 58'				19 L. 51.48 30.6	5 H. Camelopardalis α = 3 ^h 39 ^m 47 ^s .850 δ = +71° 1' 26".49
1903 Dec. 14 M. 2.80 18.4 W.	s 18.4 W.	"	δ Eridani α = 3 ^h 38 ^m 27 ^s .407 δ = -10° 6' 0".47	Feb. 4 P. 51.48 30.6 E.	1903 Sept. 11 L. -0.09 0.0 W.
1904 Sept. 22 M. 2.75 17.2 E.	2.75 17.2 E.		1903 Nov. 9 Ei.Y. 0.00 +0.1 W.	Mean..... 51.466 30.29	1905 Nov. 29 Bs. -0.11 +0.6
26 T. 2.85 19.0 E.	2.85 19.0 E.		Dec. 15 Ei.Y. +0.07 +0.5	Mag. corr.... +0.022	Dec. 12 Br. -0.02 +0.2
1905 Sept. 14 Hl. 2.78 18.3 W.	2.78 18.3 W.		22 Ei.Y. +0.05 +0.7	17 Tauri α = 3 ^h 38 ^m δ = +23° 47'	1906 Jan. 9 Br. -0.03 +0.4
26 Bs. 2.74 18.2	2.74 18.2		31 Br. +0.03 +0.8	1903 Sept. 28 Ei.Y. 56.15 57.2 W.	16 Br. -0.06 +0.6 W.
Oct. 8 Hl. 2.78 18.3	2.78 18.3		1904 Jan. 24 Br. +0.02 +1.6	29 Ei.Y. 56.17 57.4	1908 Jan. 9 M. +0.08 +0.7 E.
12 Br. 2.79 18.4 W.	2.79 18.4 W.		Feb. 13 R. +0.01 +1.0 W.	1904 Feb. 2 Br. 56.18 56.7	15 M. -0.02 +0.9
1907 Sept. 26 Hl. 2.85 18.0 E.	2.85 18.0 E.		1905 Feb. 11 M. -0.01 +1.0 E.	3 R. 56.13 57.0	17 P.M. +0.03 +0.8
1908 Jan. 10 P. 2.79 17.9	2.79 17.9		Sept. 12 Hl. +0.03 +0.8	4 Br. 56.18 57.3	18 M.P. +0.02 +0.6
Feb. 4 P. 2.83 18.2 E.	2.83 18.2 E.		Dec. 28 P. +0.08 ...	8 Br. 56.22 56.5	22 P. +0.10 -0.2 E.
Mean..... 2.796 18.19	2.796 18.19		1908 Jan. 3 P. +0.06 +1.0	9 Br. 56.19 56.9 W.	Mean..... -0.010 +0.46
Mag. corr.... -0.004	-0.004		24 Hl. +0.05 +0.4	Mag. corr.... +0.004	
δ Fornacis α = 3 ^h 38 ^m δ = -32° 15'			25 Hl. 0.00 +0.9 E.	1905 Jan. 14 Ei.M. 56.15 57.0 E.	5 H. Camelopardalis s. p. α = 3 ^h 39 ^m 47 ^s .850 δ = +71° 1' 26".43
1905 Sept. 21 Hl. 16.38 26.8 W.	s 26.8 W.	"	Dec. 5 L. +0.02 +0.8 W.	Dec. 23 Ei.Y. 56.20 57.2 W.	1

1905 Dec. 26 Ei.Y. 52.54 19.3 W.	B. D. +23° 531 $\alpha = 3^h 41^m$ $\delta = +23^\circ 49'$	1908 Jan. 20 Hl. 0.00 ... E. Sept. 22 Fk. +0.01 +0.4 W. Oct. 11 M. +0.06 +0.4 Dec. 5 L. +0.02 +0.8	1910 Jan. 4 P. +0.08 -1.0 E.
Mean..... 52.492 19.23	1910 Jan. 10 M. 19.84 8.2 E. 15 L. 19.84 8.6 19 L. 19.79 8.0 Feb. 1 M. 19.82 7.6 E.	1909 Feb. 13 L. -0.01 +0.4 W. Aug. 8 L. [-0.01] [+1.0] E. Oct. 2 P. +0.04 +0.5 28 M. -0.02 +1.0 29 L. +0.04 +0.8 30 P. -0.01 +0.4 Nov. 26 L. +0.01 +1.0 Dec. 24 P. -0.02 +0.2	Mean..... +0.040 -1.24
Mag. corr.... -0.010	Mean..... 19.822 8.10	1910 Jan. 7 P. +0.03 +0.9 8 L. -0.03 +0.8 16 P. +0.03 +1.5 20 M. -0.03 -0.2 Feb. 5 L. 0.00 +0.2 15 P. +0.5 Aug. 26 P. [+0.02] [+1.8] Sept. 22 L. -0.01 +0.7 Nov. 19 P. -0.01 Dec. 14 L. +0.06 +0.8	Mag. corr.... +0.005
B. D. +24° 553 $\alpha = 3^h 39^m$ $\delta = +24^\circ 14'$	B. D. +23° 534 $\alpha = 3^h 41^m$ $\delta = +23^\circ 49'$	1911 Jan. 10 P. +0.04 +0.5 E.	B. D. +23° 553 $\alpha = 3^h 42^m$ $\delta = +24^\circ 2'$
1903 Oct. 27 Ei.Y. 56.89 32.1 W. 29 Ei.Y. 56.92 34.5 W.	1910 Feb. 1 M. 22.52 46.8 E. 2 P. 22.54 46.7 4 P. 22.49 47.2 5 L. 22.63 47.2 14 P. 47.2 E.	Mean..... +0.008 +0.62	1903 Oct. 19 Ei.Y. 32.69 18.1 W.
1904 Oct. 24 Ei.Y. 56.92 32.8 E.	Mean..... 22.545 47.02	Mag. corr.... +0.001	1904 Jan. 14 Ei.Y. 32.67 18.5 W.
1905 Dec. 6 Ei.Y. 56.96 31.8 W.	B. D. +23° 536 $\alpha = 3^h 41^m$ $\delta = +23^\circ 48'$	B. D. +16° 512 $\alpha = 3^h 41^m$ $\delta = +16^\circ 23'$	1905 Jan. 16 Ei.Y. 32.69 18.3 E. Dec. 23 Ei.Y. 32.66 18.9 W.
Mean..... 56.922 32.80	1903 Dec. 15 Ei.Y. 24.33 24.6 W. 22 Ei.Y. 24.21 25.4 W.	1903 Sept. 28 Ei.Y. 53.87 46.1 W. Nov. 9 Ei.Y. 53.92 45.8 W.	Mean..... 32.678 18.45
Mag. corr.... -0.008	1904 Dec. 16 Ei.M. 24.28 25.5 E.	1904 Oct. 24 Ei.Y. 53.95 46.2 E.	Mag. corr.... +0.016
B. D. +24° 556 $\alpha = 3^h 40^m$ $\delta = +24^\circ 12'$	1905 Dec. 13 Ei.Y. 24.32 25.3 W.	1905 Dec. 6 Ei.Y. 53.96 46.1 W.	B. D. +23° 556 $\alpha = 3^h 43^m$ $\delta = +23^\circ 33'$
1903 Sept. 28 Ei.Y. 5.43 58.2 W. 29 Ei.Y. 5.37 57.9 W.	1910 Jan. 10 M. 24.39 24.6 E. 15 L. 24.30 25.3 19 L. 24.30 24.9 Feb. 2 P. 24.31 24.6 4 P. 24.29 24.2 E.	Mean..... 53.925 46.05	1903 Oct. 27 Ei.Y. 0.30 5.2 W. 29 Ei.Y. 0.36 4.8 W.
1904 Dec. 21 Ei.M. 5.38 58.2 E.	Mean..... 24.303 24.93	Mag. corr.... -0.005	1905 Jan. 14 Ei.M. 0.33 5.7 E. Dec. 7 Ei.Y. 0.40 5.1 W.
1905 Dec. 4 Ei.Y. 5.43 56.6 W.	Mag. corr.... -0.001	B. D. +22° 563 $\alpha = 3^h 42^m$ $\delta = +23^\circ 6'$	Mean..... 0.348 5.20
Mean..... 5.402 57.72	η Tauri $\alpha = 3^h 41^m 32^s.327$ $\delta = +23^\circ 47' 45''.21$	1903 Oct. 12 Ei.Y. 25.53 50.3 W. 13 Ei.Y. 25.48 49.8 W.	Mag. corr.... +0.016
Mag. corr.... +0.017	1903 Nov. 3 Ei.Y. +0.05 +0.1 W. 6 Ei.Y. -0.01 Dec. 11 Ei.Y. +0.02 +0.8 30 R. -0.01	1904 Dec. 21 Ei.M. 25.54 51.6 E.	B. D. +15° 534 $\alpha = 3^h 43^m$ $\delta = +15^\circ 11'$
B. D. +18° 537 $\alpha = 3^h 40^m$ $\delta = +18^\circ 15'$	1904 Jan. 14 Ei.Y. -0.01 +0.2 24 Br. +0.01 +1.6 W.	1905 Dec. 4 Ei.Y. 25.59 50.0 W.	1903 Oct. 20 Ei.Y. 1.08 52.8 W. 22 Ei.Y. 1.14 52.1 W.
1903 Oct. 12 Ei.Y. 16.96 14.1 W. 13 Ei.Y. 16.89 13.8 W.	Sept. 15 M. +0.03 +0.7 E.	Mean..... 25.535 50.42	1904 Dec. 19 Ei.M. 1.11 53.3 E.
1905 Jan. 14 Ei.M. 16.94 14.7 E. Dec. 23 Ei.Y. 16.96 14.4 W.	Oct. 22 Ei.M. -0.02 +0.8	Mag. corr.... -0.005	1905 Dec. 5 Ei.Y. 1.06 53.2 W.
Mean..... 16.938 14.25	1905 Jan. 21 M. -0.01 +0.8 Feb. 11 M. +0.03 -0.1 E. Sept. 13 Bs. -0.02 +1.3 W. 15 Bs. 0.00 +0.6 24 Hl. +0.02 +1.2 26 Bs. -0.02 +0.5 Oct. 3 Bs. +0.02 +0.8 Dec. 26 Ei.Y. +0.03 +0.5	B. D. +23° 522 $\alpha = 3^h 40^m$ $\delta = +23^\circ 38'$	Mean..... 1.098 52.85
Mag. corr.... -0.005	1906 Feb. 2 Br. +0.08 +0.5 Sept. 5 Hl. -0.03 +0.2 9 Hl. -0.04 +0.6 Oct. 7 Hl. +0.06 -0.1 14 Hl. -0.02 +1.0 W.	1903 Oct. 19 Ei.Y. 23.40 13.0 W. Dec. 3 Ei.Y. 23.43 13.3 W.	Mag. corr.... -0.002
B. D. +23° 522 $\alpha = 3^h 40^m$ $\delta = +23^\circ 38'$	1907 Sept. 11 M. -0.02 +0.3 E. 24 P. 0.00 +0.7 E.	1905 Jan. 15 Br. +0.06 -1.1 E. Nov. 25 Bs. -0.04 -1.4 W. Dec. 11 Hl. +0.10 -1.2	27 Tauri $\alpha = 3^h 43^m$ $\delta = +23^\circ 44'$
1903 Oct. 19 Ei.Y. 23.40 13.0 W. Dec. 3 Ei.Y. 23.43 13.3 W.	Mean..... 23.400 13.15	1906 Jan. 10 Bs. -0.05 -0.2 30 Br. +0.06 -1.9 Sept. 21 P. +0.01 -0.6 W.	1903 Dec. 3 Ei.Y. 12.91 52.2 W. 7 Ei.Y. 12.88 52.2
1905 Jan. 18 Ei.M. 23.39 12.8 E. Dec. 7 Ei.Y. 23.38 13.5 W.	Mag. corr.... +0.010	1907 Sept. 26 Hl. +0.06 -1.6 E. Nov. 26 P. +0.08 -1.3	1904 Feb. 13 R. 12.94 5

B. D. +23° 558 $\alpha = 3^h 43^m$ $\delta = +23^\circ 49'$			B. D. +19° 600 $\alpha = 3^h 44^m$ $\delta = +19^\circ 15'$			1904 Oct. 24 Ei.Y. 19.62 1.2 E. 1905 Dec. 6 Ei.Y. 19.57 1.4 W. Mean..... 19.600 1.35 Mag. corr.... 0.000			1905 Jan. 14 Ei.M. 10.92 15.9 E. Dec. 5 Ei.Y. 10.93 15.5 W. Mean..... 10.945 15.88 Mag. corr.... -0.003		
1903 Sept. 28 Ei.Y. 14.18 52.3 W. 29 Ei.Y. 14.14 52.3 W.			1903 Nov. 3 Ei.Y. 8.23 42.0 W. 6 Ei.Y. 8.20 W.			B. D. +22° 588 $\alpha = 3^h 47^m$ $\delta = +22^\circ 49'$			B. D. +39° 887 $\alpha = 3^h 48^m$ $\delta = +39^\circ 33'$		
1904 Oct. 22 Ei.M. 14.16 51.2 E. 1905 Dec. 26 Ei.Y. 14.17 52.5 W. Mean..... 14.162 52.08 Mag. corr.... +0.032			1905 Jan. 16 Ei.Y. 8.25 41.8 E. Dec. 23 Ei.Y. 8.25 42.1 W. Mean..... 8.232 41.97 Mag. corr.... -0.001			1903 Oct. 20 Ei.Y. 25.92 30.4 W. 22 Ei.Y. 25.99 29.3 W.			1906 Sept. 5 Hl. 14.51 50.9 W. Oct. 7 Hl. 14.44 50.6 W.		
τ^7 Eridani $\alpha = 3^h 43^m$ $\delta = -24^\circ 11'$			B. D. +25° 624 $\alpha = 3^h 44^m$ $\delta = +25^\circ 16'$			1904 Dec. 21 Ei.M. 25.99 31.0 E. 1905 Dec. 4 Ei.Y. 25.98 30.3 W. Mean..... 25.970 30.25 Mag. corr.... -0.010			1908 Jan. 24 Hl. 14.64 50.8 E. 25 Hl. 14.56 51.2 E. Mean..... 14.538 50.88 Mag. corr.... 0.000		
1904 Feb. 3 R. 21.56 2.8 W. 4 Br. 21.58 3.6 8 Br. 21.65 3.1 9 Br. 21.67 2.7			1903 Dec. 11 Ei.Y. 18.14 39.9 W. 15 Ei.Y. 18.16 39.5 W.			B. D. +16° 523 $\alpha = 3^h 47^m$ $\delta = +17^\circ 1'$			9 H. Camelopardalis $\alpha = 3^h 48^m 36^s.420$ $\delta = +60^\circ 48' 57'' .38$		
1905 Oct. 8 Hl. 21.66 3.0 14 Bs. 21.68 3.3 W.			1904 Dec. 19 Ei.M. 18.18 39.9 E. 1905 Dec. 7 Ei.Y. 18.18 39.8 W. Mean..... 18.165 39.78 Mag. corr.... -0.003			1903 Dec. 3 Ei.Y. 26.94 46.0 W. 7 Ei.Y. 26.88 46.1 W.			1904 Sept. 16 T. +0.09 -0.2 E. 22 M. -0.01 +0.7 23 T. +0.08 26 T. +0.07 +0.4 E.		
1907 Sept. 6 M. 21.68 3.1 E. Oct. 1 P. 21.63 2.8 21 Hl. 3.3			B. D. +12° 516 $\alpha = 3^h 45^m$ $\delta = +12^\circ 44'$			1905 Jan. 16 Ei.Y. 26.89 45.4 E. Dec. 23 Ei.Y. 26.95 46.0 W. Mean..... 26.915 45.88 Mag. corr.... -0.010			1905 Oct. 12 Br. +0.03 +0.5 W. 14 Bs. -0.11 +1.1		
1908 Jan. 14 P. 21.65 2.6 17 P.M. 21.73 3.5 Feb. 3 P. 21.77 3.1 E.			1903 Nov. 3 Ei.Y. 42.63 40.0 W. 6 Ei.Y. 42.68 ... W.			B. D. +25° 641 $\alpha = 3^h 47^m$ $\delta = +25^\circ 23'$			1906 Jan. 9 Br. -0.01 +0.7 16 Br. -0.06 +1.3 24 Bs. +0.02 -0.8 29 Bs. -0.08 +0.7 30 Br. -0.05 +1.1 W.		
Mean..... 21.660 3.08 Mag. corr.... +0.001			1905 Jan. 14 Ei.M. 42.70 40.8 E. Dec. 5 Ei.Y. 42.68 40.4 W. Mean..... 42.672 40.40 Mag. corr.... +0.021			1903 Dec. 11 Ei.Y. 33.10 9.5 W. 15 Ei.Y. 33.10 9.0 W.			1907 Oct. 1 P. -0.03 -0.2 E. Mean..... -0.005 +0.48 Mag. corr.... -0.001		
B. D. +37° 833 $\alpha = 3^h 43^m$ $\delta = +37^\circ 34'$			B. D. +21° 539 $\alpha = 3^h 45^m$ $\delta = +21^\circ 43'$			1904 Dec. 19 Ei.M. 33.09 9.5 E. 1905 Dec. 7 Ei.Y. 33.12 8.9 W. Mean..... 33.102 9.22 Mag. corr.... +0.009			B. D. +16° 527 $\alpha = 3^h 48^m$ $\delta = +16^\circ 19'$		
1908 Jan. 24 Hl. 29.21 9.8 E. 25 Hl. 29.20 10.2 E.			1903 Sept. 28 Ei.Y. 44.15 48.0 W. 29 Ei.Y. 44.02 50.0 W.			B. D. +20° 643 $\alpha = 3^h 43^m$ $\delta = +20^\circ 51'$			1903 Oct. 12 Ei.Y. 45.71 29.1 W. 13 Ei.Y. 45.68 29.0 W.		
Mean..... 29.205 10.00 Mag. corr.... -0.006			1904 Dec. 16 Ei.M. 44.09 48.9 E. 1905 Dec. 13 Ei.Y. 44.13 49.8 W. Mean..... 44.098 49.18 Mag. corr.... +0.014			1903 Feb. 2 Br. +0.01 -0.9 W. 3 R. -0.05 +0.6 4 Br. 0.00 +0.3 8 Br. +0.08 +0.7 9 Br. +0.04 +0.7 13 R. +0.04 0.0 W. Dec. 18 Br. +0.04 -0.2 E. 20 Br. +0.11 -0.3 29 Br. 0.00 +0.8			1904 Dec. 16 Ei.M. 45.73 29.5 E. 1905 Dec. 13 Ei.Y. 45.80 29.3 W. Mean..... 45.730 29.22 Mag. corr.... +0.013		
B. D. +20° 643 $\alpha = 3^h 43^m$ $\delta = +20^\circ 51'$			B. D. +18° 550 $\alpha = 3^h 46^m$ $\delta = +18^\circ 17'$			B. D. +22° 605 $\alpha = 3^h 50^m$ $\delta = +22^\circ 11'$			B. D. +19° 625 $\alpha = 3^h 51^m$ $\delta = +19^\circ 47'$		
1903 Oct. 12 Ei.Y. 57.15 17.5 W. 13 Ei.Y. 57.14 17.3 W.			1903 Oct. 12 Ei.Y. 38.38 54.6 W. 13 Ei.Y. 38.38 54.1 W.			1903 Oct. 19 Ei.Y. 57.50 23.9 W. Dec. 11 Ei.Y. 57.45 24.2 W.			1903 Oct. 20 Ei.Y. 4.11 34.7 W. 22 Ei.Y. 4.07 34.5 W.		
1904 Oct. 24 Ei.Y. 57.17 18.1 E.			1904 Oct. 22 Ei.M. 38.40 54.3 E.			1904 Oct. 22 Ei.M. 57.53 23.1 E.			Mean..... 57.508 23.78 Mag. corr.... -0.008		
1905 Dec. 6 Ei.Y. 57.13 18.2 W.			1905 Dec. 26 Ei.Y. 38.40 54.7 W.			1907 Sept. 13 P. -0.01 +0.4 E. Mean..... +0.034 +0.25 Mag. corr.... +0.002					
Mean..... 57.148 17.78 Mag. corr.... -0.008			Mean..... 38.390 54.42 Mag. corr.... +0.002			B. D. +14° 624 $\alpha = 3^h 48^m$ $\delta = +14^\circ 53'$					
B. D. +21° 535 $\alpha = 3^h 44^m$ $\delta = +21^\circ 56'$			B. D. +13° 613 $\alpha = 3^h 47^m$ $\delta = +14^\circ 5'$			1903 Sept. 28 Ei.Y. 10.97 15.9 W. 29 Ei.Y. 10.96 16.2 W.					
1903 Oct. 19 Ei.Y. 2.29 24.4 W.			1903 Oct. 19 Ei.Y. 19.58 1.4 W.								
1904 Dec. 22 Ei.Y. 2.26 24.0 W.			1905 Dec. 22 Ei.Y. 19.63 1.4 W.								
1904 Dec. 21 Ei.M. 2.27 25.0 E.											
1905 Dec. 4 Ei.Y. 2.32 24.1 W.											
Mean..... 2.285 24.38 Mag. corr.... -0.009											

1904			1905			1907			B. D. +17° 666		
Oct. 24	Ei.Y.	4.06	35.4	E.		Jan. 14	Ei.M.	27.53	20.0	E.	$\alpha = 3^h 55^m$
1905						Dec. 5	Ei.Y.	27.47	19.5	W.	$\delta = +17^\circ 54'$
Dec. 6	Ei.Y.	4.08	35.3	W.		Mean.....		27.502	20.25		1903
Mean.....		4.080	34.98			Mag. corr....		+0.019			Dec. 3
Mag. corr....		-0.006				ξ Persei			7 Ei.Y. 3.00 43.0 W.		
B. D. +22° 607									1905		
$\alpha = 3^h 51^m$									Jan. 16 Ei.Y. 3.05 42.2 E.		
$\delta = +22^\circ 53'$									Dec. 23 Ei.Y. 3.10 43.6 W.		
1903									Mean..... 3.055 43.18		
Dec. 3	Ei.Y.	7.98	7.2	W.					Mag. corr.... -0.008		
7	Ei.Y.	7.93	7.8	W.					B. D. +15° 565		
1904									$\alpha = 3^h 55^m$		
Dec. 21	Ei.M.	8.00	7.6	E.					$\delta = +15^\circ 11'$		
1905									1903		
Dec. 4	Ei.Y.	8.02	6.7	W.					Oct. 12 Ei.Y. 5.92 37.7 W.		
Mean.....		7.982	7.32						13 Ei.Y. 5.88 36.8 W.		
Mag. corr....		+0.023							1905		
ϵ Persei									Jan. 27 Ei.Y. 5.92 36.4 E.		
$\alpha = 3^h 51^m$									Dec. 7 Ei.Y. 5.94 37.2 W.		
$\delta = +39^\circ 43' 15''.55$									Mean..... 5.915 37.02		
1905									Mag. corr.... +0.003		
Jan. 21	M.	-0.02	-0.2	E.					λ Tauri		
Sept. 18	Bs.	+0.05	+0.6	W.					$\alpha = 3^h 55^m$		
27	Hi.	+0.01	+0.2						$\delta = +12^\circ 12' 28''.28$		
Oct. 4	Hi.	-0.03	+0.2						1903		
Nov. 1	Hi.	-0.07	-0.3						Sept. 28 Ei.Y. +0.02 +1.5 W.		
25	Bs.	+0.05	+0.5	W.					29 Ei.Y. +0.02 +0.8		
1907									Oct. 19 Ei.Y. +0.02 +0.3		
Sept. 6	M.	-0.01	+0.3	E.					Dec. 22 Ei.Y. +0.01 -0.3		
11	M.	-0.03	+0.5						30 R. -0.02		
Oct. 25	Hi.	+0.03	+0.6						1904		
Nov. 26	P.	+0.02	+0.2						Jan. 14 Ei.Y. +0.02 +0.4		
1908									15 Ei.Y. +0.01 -0.1		
Jan. 10	P.	-0.04	+0.8	E.					25 Ei.Y. +0.09 +0.7		
Mean.....		-0.004	+0.31						27 Ei.Y. +0.10 +0.7		
Mag. corr....		+0.001							30 Ei.Y. +0.02 +0.4 W.		
B. D. +18° 562									Sept. 16 T. +0.04 -0.6 E.		
$\alpha = 3^h 51^m$									22 M. +0.01 +0.2		
$\delta = +18^\circ 32'$									23 T. +0.04 -0.3		
1903									Oct. 26 T. +0.03 -0.2		
Nov. 3	Ei.Y.	15.56	58.3	W.					22 Ei.M. 0.00 -0.3		
6	Ei.Y.	15.69	58.2	W.					1905		
1905									Jan. 14 Ei.M. -0.02 +0.5		
Jan. 16	Ei.Y.	15.71	58.4	E.					30 Y. +0.02 +0.4 E.		
Dec. 23	Ei.Y.	15.74	58.5	W.					Oct. 12 Br. 0.00 +0.2 W.		
Mean.....		15.675	58.35						Nov. 25 Bs. -0.03 +0.8		
Mag. corr....		-0.006							Dec. 5 Ei.Y. 0.00 +0.8 W.		
B. D. +20° 669									1907		
$\alpha = 3^h 51^m$									Sept. 27 P. +0.04 +0.2 E.		
$\delta = +21^\circ 2'$									1908		
1903									Feb. 1 P. +0.05 ...		
Sept. 28	Ei.Y.	19.88	2.1	W.					3 P. 0.00 ...		
29	Ei.Y.	19.83	1.1	W.					4 P. 0.00 ...		
1904									6 P. +0.04 ... E.		
Dec. 19	Ei.M.	19.86	0.7	E.					Sept. 14 P. +0.08 +1.2 W.		
1905									15 Fk. +0.01 +0.5		
Dec. 7	Ei.Y.	19.88	1.0	W.					17 P. +0.02 +0.2		
Mean.....		19.862	1.22						1909		
Mag. corr....		+0.012							Jan. 20 L. +0.01 +0.7		
B. D. +24° 599									25 M. +0.05 +0.8		
$\alpha = 3^h 51^m$									27 P. +0.01 +0.2		
$\delta = +24^\circ 10'$									28 M. +0.08 +0.5		
1903									Feb. 4 M. -0.02 +0.1		
Oct. 12	Ei.Y.	27.51	20.3	W.					8 P. +0.01 +0.7		
13	Ei.Y.	27.50	21.2	W.					11 M. 0.00 +0.6		
1905									13 L. -0.02 +0.7 W.		
Jan. 14	Ei.M.	27.53	20.0	E.					Aug. 8 L. [-0.04] [+1.5] E.		
Dec. 5	Ei.Y.	27.47	19.5	W.					Oct. 2 P. 0.00 +0.6		
Mean.....		27.502	20.25						28 M. -0.01 +0.6		
Mag. corr....		+0.019							29 L. 0.00 +0.5		
ξ Persei									30 P. -0.04 +1.0		
$\alpha = 3^h 52^m$									Dec. 24 P. -0.02 +0.7 F.		
$\delta = +35^\circ 30' 12''.55$											
1903											
Sept. 6	L.	-0.01	+1.5	W.							
11	L.	+0.02	+0.3								
1905											
Sept. 24	Hi.	+0.03	+1.3								
26	Bs.	-0.05	+1.0								
Oct. 3	Bs.	-0.08	+0.9	W.							
1907											
Sept. 13	P.	+0.02	+1.0	E.							
26	Hi.	+0.03	+1.0								
Oct. 21	Hi.	+0.05	+0.5								
1908											
Jan. 14	P.	-0.06	+0.7								
22	P.	0.00	+0.8	E.							
Mean.....		-0.005	+0.90								
Mag. corr....		+0.004									
B. D. +26° 655											
$\alpha = 3^h 52^m$											
$\delta = +26^\circ 54'$											
1903											
Oct. 19	Ei.Y.	59.62	40.2	W.							
Dec. 3	Ei.Y.	59.55	40.7	W.							
1904											
Dec. 16	Ei.M.	59.62	39.8	E.							
1905											
Dec. 13	Ei.Y.	59.63	40.6	W.							
Mean.....		59.605	40.32								
Mag. corr....		+0.007									
γ Eridani											
$\alpha = 3^h 53^m$											
$\delta = -1^\circ 47' 35''.22$											
1903											
Dec. 30	R.	+0.03	...	W.							
31	Br.	0.00	+0.4								
1904											
Feb. 2	Br.	+0.05	-0.3								
8	Br.	+0.06	+0.8								
9	Br.	+0.02	+1.1								
13	R.	+0.01	+0.7								
15	M.	+0.02	+1.4	W.							
Dec. 18	Br.	+0.02	-0.2	E.							
20	Br.	+0.07	-0.5								
23	Br.	+0.06	+0.3								
1905											
Jan. 15	Br.	+0.02	+0.7								
Feb. 2	Y.	+0.06	+1.9								
11	M.	+0.04	+0.2	E.							
Dec. 12	Br.	+0.03	+0.4	W.							
1906											
Jan. 9	Br.	+0.05	+1.0								
24	Bs.	+0.05	+0.7								
29	Bs.	+0.02	0.0								
31	Bs.	+0.07	+0.7								
Sept. 5	Hi.	+0.01	+0.9								
10	P.	...	+0.6								
19	P.	+0.01	+0.8								
20	Hi.	-0.01	+0.9								
21	P.	+0.02	+0.3								
24	P.	+0.04	+0.8								
Oct. 6	Hi.	+0.05	+0.4								
7	Hi.	-0.07	+0.2								
14	Hi.	+0.01	+0.1	W.							

1910			♄ Tauri			♈ Tauri			♈ Persei		
Jan. 25 P.	-0.06	+0.9 E.	α = 3 ^h 57 ^m 50 ^s .172			α = 3 ^h 58 ^m 46 ^s .976			α = 3 ^h 59 ^m		
Feb. 2 P.	-0.01	-0.5	δ = +5° 42' 42".98			δ = +21° 48' 31".17			δ = +50° 4'		
4 P.	-0.09	+1.2									
Nov. 19 P.	-0.01		1903			1903			1905		
Dec. 13 M.	+0.05	+1.2	Sept. 6 L.	+0.06	+1.6 W.	Dec. 3 Ei.Y.	-0.01	+0.4 W.	Sept. 13 Bs.	7.86	48.6 W.
14 L.	-0.01	+0.5	11 L.	+0.08	+0.4	7 Ei.Y.	-0.05	+0.7	14 Hl.	7.86	47.4
1911			15 L.	+0.04	+0.3	1904			15 Bs.	7.87	48.0
Jan. 10 P.	0.00	+0.3	28 Ei.Y.	-0.05	+1.7	Feb. 8 Br.	+0.03	+0.4	26 Bs.	7.86	48.9
Feb. 5 P.	+0.02	+0.8 E.	29 Ei.Y.	-0.03	+1.2	9 Br.	+0.02	+0.6	29 Hl.	7.86	48.2
Mean.....	+0.011	+0.47	1904			15 M.	-0.05	+1.2 W.	Oct. 3 Bs.	7.88	48.5 W.
Mag. corr....	-0.005		Jan. 15 Ei.Y.	-0.04	+1.1	Dec. 21 Ei.M.	+0.02	+0.1 E.	1907		
B. D. +19° 643			25 Ei.Y.	+0.08	+0.6	1905			Sept. 24 P.	7.92	47.2 E.
α = 3 ^h 55 ^m			27 Ei.Y.	+0.04	+0.8	Jan. 14 Ei.M.	-0.04	+0.2	1908		
δ = +19° 55'			30 Ei.Y.	0.00	+0.5	27 Ei.Y.	-0.05	-0.3	Jan. 10 P.	7.87	47.7
1903			Feb. 13 R.	+0.05	+0.8 W.	Feb. 11 M.	+0.01	+0.2 E.	14 P.	7.86	46.9
Oct. 20 Ei.Y.	17.38	9.0 W.	Oct. 22 Ei.M.	+0.01	+0.4 E.	Nov. 25 Bs.	0.00	+0.3 W.	17 P.M.	7.93	48.1
22 Ei.Y.	17.41	8.2 W.	Dec. 18 Br.	0.00	+1.1	Dec. 4 Ei.Y.	-0.03	0.0	18 M.P.	7.85	47.3 E.
1904			19 Ei.M.	+0.04	+0.8	12 Br.	-0.02	-0.4	Mean.....	7.875	47.89
Dec. 16 Ei.M.	17.36	9.5 E.	20 Br.	+0.05	+0.6	1906			Mag. corr....	+0.006	
1905			22 Br.	-0.02	0.0	Jan. 9 Br.	-0.02	+0.3	B. D. +21° 587		
Dec. 13 Ei.Y.	17.39	8.9 W.	29 Br.	0.00	+1.0	24 Bs.	0.00	+0.1	α = 3 ^h 59 ^m		
Mean.....	17.385	8.90	1905			29 Bs.	-0.03	+0.8	δ = +21° 44'		
Mag. corr....	+0.014		Jan. 15 Br.	0.00	+0.8	30 Br.	0.00	+0.2	1903		
♄ Eridani			Feb. 2 Y.	-0.05	+1.8 E.	31 Bs.	-0.05	+0.8	Oct. 19 Ei.Y.	25.06	20.6 W.
α = 3 ^h 55 ^m			1906			Feb. 2 Br.	+0.01	-0.1 W.	1904		
δ = -24° 17'			Sept. 19 P.	+0.04	+1.1 W.	1907			Jan. 14 Ei.Y.	25.00	20.1 W.
1904			20 Hl.	-0.09	+0.9	Oct. 21 Hl.	+0.05	... E.	Dec. 19 Ei.M.	25.04	20.1 E.
Sept. 15 M.	39.69	58.9 E.	24 P.	+0.09	+1.6 W.	Nov. 26 P.	-0.02	+1.3	1905		
21 T.	39.70	57.6 E.	1907			1908			Dec. 7 Ei.Y.	25.05	20.7 W.
1905			Sept. 11 M.	-0.02	+1.3 E.	Jan. 20 Hl.	+0.08	... E.	Mean.....	25.038	20.38
Sept. 18 Bs.	39.81	58.0 W.	12 Hl.	-0.02	+0.9	30 Ei.M.	+0.03	+0.8 E.	Mag. corr....	+0.023	
21 Hl.	39.75	58.9	15 M.	0.00	+0.4	Sept. 17 P.	-0.05	+0.3 W.	B. D. +19° 658		
Oct. 8 Hl.	39.69	57.5	23 Hl.	+0.04	...	1909			α = 3 ^h 59 ^m		
11 Bs.	39.65	59.4	26 Hl.	-0.03	+1.0	Jan. 22 P.	0.00	+0.4	δ = +19° 40'		
1906			Oct. 1 P.	+0.02	+0.6	25 M.	-0.04	+0.3	1903		
Jan. 30 Br.	39.73	59.5 W.	2 M.	-0.02	+0.5	27 P.	-0.01	+0.4	Oct. 20 Ei.Y.	47.41	56.8 W.
1907			25 Hl.	-0.02	+0.5	23 M.	+0.02	+0.1	22 Ei.Y.	47.36	55.7 W.
Sept. 30 Hl.	39.76	58.5 E.	1908			Feb. 4 M.	+0.04	+0.2	1905		
Nov. 26 P.	39.78	57.5	Jan. 27 P.	+0.06	...	6 L.	+0.04	+1.6	Jan. 18 Ei.M.	47.35	55.7 E.
1908			29 P.	+0.03	+1.3	8 P.	0.00	+0.8	Dec. 5 Ei.Y.	47.34	56.1 W.
Jan. 10 P.	39.76	59.6 E.	Feb. 1 P.	-0.02	...	11 M.	+0.03	+0.4	Mean.....	47.365	56.08
Mean.....	39.732	58.54	3 P.	+0.05	...	13 L.	-0.01	+0.8 W.	Mag. corr....	-0.003	
Mag. corr....	+0.002		4 P.	-0.04	...	Aug. 8 L.	[-0.04]	[+0.9] E.	B. D. +25° 675		
B. D. +25° 662			6 P.	+0.03	... E.	Oct. 28 M.	-0.07	+0.5	α = 4 ^h 0 ^m		
α = 3 ^h 55 ^m			Sept. 8 Fk.	-0.04	+1.3 W.	29 L.	-0.01	+0.4	δ = +25° 56'		
δ = +25° 38'			22 Fk.	+0.01	+0.8	Dec. 24 P.	+0.01	+0.3	1903		
1903			23 M.	+0.05	+0.8	1910			Dec. 11 Ei.Y.	0.50	27.0 W.
Dec. 11 Ei.Y.	52.25	36.7 W.	Oct. 11 M.	+0.04	+0.6 W.	Jan. 4 P.	+0.02	+0.5	15 Ei.Y.	0.47	26.8 W.
15 Ei.Y.	52.27	36.7 W.	Mean.....	+0.012	+0.93	7 P.	-0.01	+1.0	1904		
1905			Mag. corr....	-0.005		8 L.	-0.04	+0.6	Dec. 16 Ei.M.	0.46	26.8 E.
Jan. 18 Ei.M.	52.36	36.0 E.	1903			20 M.	0.00	+0.1	1905		
Dec. 26 Ei.Y.	52.30	36.5 W.	Nov. 3 Ei.Y.	22.68	50.6 W.	Feb. 2 P.	-0.03	-0.1	Dec. 13 Ei.Y.	0.49	27.0 W.
Mean.....	52.295	36.48	6 Ei.Y.	22.76	51.3 W.	4 P.	-0.07	+0.8	Mean.....	0.480	26.90
Mag. corr....	-0.010		1904			18 P.	0.00	+0.2	Mag. corr....	+0.006	
B. D. +18° 575			Oct. 24 Ei.Y.	22.79	51.4 E.	Sept. 26 P.	-0.01	+0.2	B. D. +27° 633		
α = 3 ^h 57 ^m			1905			Oct. 20 M.	-0.05	+0.7	α = 4 ^h 0 ^m		
δ = +19° 4'			Dec. 6 Ei.Y.	22.72	51.0 W.	23 M.	+0.01	+0.1	δ = +27° 19'		
1905			Mean.....	22.738	51.08	Nov. 16 M.	+0.02	+0.1	1903		
Dec. 6 Ei.Y.	34.23	53.8 W.	Mag. corr....	-0.007		19 P.	-0.06	...	Nov. 3 Ei.Y.	28.24	49.2 W.
13 Ei.Y.	34.25	53.8	1903			Dec. 13 M.	-0.03	+0.7	6 Ei.Y.	28.27	49.7 W.
23 Ei.Y.	34.39	53.4 W.	Jan. 24 Hl.	43.30	41.2 E.	14 L.	+0.03	+0.4	1905		
Mean.....	34.290	53.67	25 Hl.	43.28	42.2 E.	1911			Jan. 14 Ei.M.	28.27	49.5 E.
Mag. corr....	-0.031		Mean.....	43.290	41.70	Feb. 7 P.	+0.03	+1.0 E.	Dec. 26 Ei.Y.	28.29	49.9 W.
			Mag. corr....	0.000		Mean.....	-0.007	+0.43	Mean.....	28.268	49.58
						Mag. corr....	+0.005		Mag. corr....	-0.002	
						B. D. +17° 676					
						α = 3 ^h 58 ^m					
						δ = +17° 14'					
						1903					
						Oct. 12 Ei.Y.	56.03	34.5 W.			
						13 Ei.Y.	56.12	33.7 W.			
						1905					
						Jan. 16 Ei.Y.	56.12	34.2 E.			
						Dec. 23 Ei.Y.	56.13	34.6 W.			
						Mean.....	56.100	34.25			
						Mag. corr....	+0.014				

ψ Tauri $\alpha = 4^h 0^m$ $\delta = +28^\circ 43'$				174 G. Eridani $\alpha = 4^h 1^m$ $\delta = -27^\circ 55'$				B. D. +22° 637 (south) $\alpha = 4^h 2^m$ $\delta = +22^\circ 49'$				B. D. +24° 629 $\alpha = 4^h 4^m$ $\delta = +25^\circ 6'$			
1903 Oct. 12 Ei.Y. 49.37 51.9 W. 13 Ei.Y. 49.36 51.0 W.				1907 Sept. 11 M. 30.25 30.0 E. 13 P. 30.30 29.1				1905 Jan. 27 Ei.Y. 56.32 54.4 E. Dec. 6 Ei.Y. 56.31 55.0 W.				1903 Dec. 3 Ei.Y. 33.01 2.9 W. 7 Ei.Y. 32.98 2.6 W.			
1904 Sept. 22 M. 49.40 52.5 E. 23 T. 49.44 52.5 26 T. 49.47 51.3 Dec. 21 Ei.M. 49.36 52.2 E.				1908 Jan. 29 P. 30.30 30.4 Feb. 4 P. 30.34 30.4 6 P. 30.26 30.5 E. Sept. 8 Fk 30.25 30.9 W. 14 P. 30.29 29.9 15 Fk. 30.29 30.5 Oct. 11 M. 30.30 31.0				1908 Jan. 30 Ei.M. 56.29 55.5 E. Mean..... 56.307 54.97 Mag. corr.... +0.005				1904 Dec. 19 Ei.M. 33.00 2.8 E. 1905 Dec. 7 Ei.Y. 33.05 3.2 W. Mean..... 33.010 2.88 Mag. corr.... -0.013			
1905 Oct. 8 Hl. 49.36 52.7 W. 12 Br. 49.46 52.8 14 Bs. 49.34 51.5 29 Hl. 49.42 52.8 Nov. 1 Hl. 49.31 52.8 Dec. 4 Ei.Y. 49.38 51.4 W.				1909 Jan. 20 L. 30.32 29.1 W. Mean..... 30.290 30.18 Mag. corr.... -0.003				B. D. +22° 637 (mean) $\alpha = 4^h 2^m$ $\delta = +22^\circ 49'$				p Tauri $\alpha = 4^h 4^m$ $\delta = +26^\circ 13'$			
1908 Jan. 17 P.M. 49.34 52.8 E. 18 M.P. 49.31 51.9 E. Mean..... 49.380 52.15 Mag. corr.... -0.001				B. D. +14° 657 $\alpha = 4^h 2^m$ $\delta = +14^\circ 53'$				1903 Oct. 12 Ei.Y. 56.32 57.8 W. 13 Ei.Y. 56.33 57.3 W.				1903 Nov. 3 Ei.Y. 44.33 11.7 W. 6 Ei.Y. 44.38 12.2			
B. D. +18° 581 $\alpha = 4^h 0^m$ $\delta = +18^\circ 52'$				1903 Oct. 22 Ei.Y. 2.35 42.8 W. 1904 Jan. 25 Ei.Y. 2.36 43.7 W. Dec. 19 Ei.M. 2.38 43.5 E.				1904 Oct. 24 Ei.Y. 56.32 57.5 E. Mean..... 56.323 57.53 Mag. corr.... +0.014				1904 Feb. 8 Br. 44.41 12.6 9 Br. 44.39 12.7 15 M. 44.41 12.5 W.			
1903 Dec. 3 Ei.Y. 49.69 51.1 W. 7 Ei.Y. 49.65 51.5 W.				1905 Dec. 7 Ei.Y. 2.42 43.8 W. Mean..... 2.378 43.45 Mag. corr.... +0.024				B. D. +22° 637 (north) $\alpha = 4^h 2^m$ $\delta = +22^\circ 50'$				1905 Jan. 14 Ei.M. 44.32 12.9 E. Sept. 13 Bs. 44.37 12.9 W. 15 Bs. 44.35 12.3 Dec. 5 Ei.Y. 44.37 12.2 W.			
1904 Oct. 24 Ei.Y. 49.64 50.7 E.				B. D. +16° 559 $\alpha = 4^h 2^m$ $\delta = +16^\circ 15'$				1905 Jan. 27 Ei.Y. 56.36 0.0 E. Dec. 6 Ei.Y. 56.32 1.3 W.				1907 Sept. 12 Hl. 44.40 13.0 E. 26 Hl. 44.30 12.7 Nov. 26 P. 44.33 12.4			
1905 Dec. 6 Ei.Y. 49.62 51.3 W. Mean..... 49.650 51.15 Mag. corr.... +0.005				1904 Jan. 14 Ei.Y. 12.93 48.0 W. 15 Ei.Y. 12.88 48.1 W.				1908 Jan. 30 Ei.M. 56.39 1.1 E. Mean..... 56.357 0.80 Mag. corr.... +0.005				1908 Jan. 25 Hl. 44.30 12.8 29 P. 44.35 12.3 E.			
B. D. +20° 701 $\alpha = 4^h 1^m$ $\delta = +20^\circ 59'$				1905 Dec. 5 Ei.Y. 12.90 48.0 W. Mean..... 12.900 48.05 Mag. corr.... +0.006				43 Tauri $\alpha = 4^h 3^m 20^s.404$ $\delta = +19^\circ 20' 41''.03$				1905 Dec. 4 Ei.Y. -0.01 +1.0 W. 1906 Jan. 30 Br. -0.03 +0.8 W.			
1903 Oct. 19 Ei.Y. 15.77 37.5 W.				B. D. +16° 560 $\alpha = 4^h 2^m$ $\delta = +17^\circ 4'$				1907 Oct. 1 P. +0.01 +0.7 E.				Mean..... 44.358 12.51 Mag. corr.... -0.004			
1904 Jan. 15 Ei.Y. 15.73 36.9 W.				1903 Nov. 3 Ei.Y. 15.72 20.8 W. 6 Ei.Y. 15.72 21.8 W.				1908 Jan. 14 P. -0.05 +0.8 17 P.M. -0.03 +1.4 18 M.P. -0.06 +1.0 24 Hl. -0.03 +0.8 E. Sept. 22 Fk. -0.03 +0.9 W. 23 M. -0.02 +0.6 28 P. -0.03 +1.8 W.				B. D. +18° 594 $\alpha = 4^h 4^m$ $\delta = +18^\circ 9'$			
1905 Jan. 16 Ei.Y. 15.82 36.9 E. Dec. 23 Ei.Y. 15.85 37.5 W. Mean..... 15.792 37.20 Mag. corr.... -0.009				1904 Dec. 16 Ei.M. 15.72 21.5 E. 1905 Dec. 13 Ei.Y. 15.79 21.7 W. Mean..... 15.738 21.45 Mag. corr.... +0.022				1907 Oct. 21 Hl. -0.01 +0.2				1903 Dec. 22 Ei.Y. 55.23 44.4 W.			
c Persei $\alpha = 4^h 1^m 24^s.012$ $\delta = +47^\circ 26' 43''.93$				B. D. +23° 624 $\alpha = 4^h 2^m$ $\delta = +23^\circ 36'$				1904 Dec. 21 Ei.M. 0.00 +1.9 E.				1904 Jan. 14 Ei.Y. 55.19 44.7 W. Dec. 16 Ei.M. 55.25 44.6 E.			
1903 Sept. 6 L. -0.04 +1.1 W. 11 L. -0.05 +0.3 15 L. +0.03 0.0 W.				1903 Dec. 11 Ei.Y. 52.43 20.4 W. 15 Ei.Y. 52.46 20.6 W.				1905 Dec. 4 Ei.Y. -0.01 +1.0 W.				1905 Dec. 13 Ei.Y. 55.27 44.7 W.			
1905 Jan. 21 M. 0.00 +0.7 E.				1904 Dec. 16 Ei.M. 15.72 21.5 E.				1906 Jan. 30 Br. -0.03 +0.8 W.				Mean..... 55.235 44.60 Mag. corr.... +0.016			
1907 Oct. 21 Hl. -0.01 +0.2				1905 Jan. 14 Ei.M. 52.44 20.5 E. Dec. 26 Ei.Y. 52.49 20.0 W.				1907 Oct. 1 P. +0.01 +0.7 E.				1905 Jan. 15 Br. +0.46 -0.3 E. Sept. 18 Bs. +0.39 +0.6 W. 21 Hl. +0.45 27 Hl. +0.33 Oct. 4 Hl. -0.30 -0.2 11 Bs. (-1.32) -1.5 Dec. 12 Br. -0.06 -0.2			
1908 Jan. 22 P. +0.03 +0.1 Feb. 1 P. -0.07 +0.3 3 P. +0.02 +0.6 E. Sept. 17 P. -0.08 +0.2 W. Nov. 8 M. 0.00 0.0 W.				Mean..... 52.455 20.38 Mag. corr.... +0.012				1908 Jan. 14 P. -0.05 +0.8 17 P.M. -0.03 +1.4 18 M.P. -0.06 +1.0 24 Hl. -0.03 +0.8 E. Sept. 22 Fk. -0.03 +0.9 W. 23 M. -0.02 +0.6 28 P. -0.03 +1.8 W.				1906 Jan. 24 Bs. +0.49 -1.1 29 Bs. 0.00 -0.8 31 Bs. -0.66 -0.6 Feb. 9 Br. +0.21 0.0 W.			
Mean..... -0.017 +0.35 Mag. corr.... -0.003				B. D. +13° 648 $\alpha = 4^h 3^m$ $\delta = +13^\circ 8'$				1903 Oct. 22 Ei.Y. 26.52 0.1 W. Dec. 7 Ei.Y. 26.46 1.5 W.				1905 Jan. 16 Ei.Y. 26.48 0.4 E. Dec. 23 Ei.Y. 26.54 1.2 W.			
				1903 Dec. 11 Ei.Y. 52.43 20.4 W. 15 Ei.Y. 52.46 20.6 W.				1905 Jan. 16 Ei.Y. 26.48 0.4 E. Dec. 23 Ei.Y. 26.54 1.2 W.				Mean..... 26.500 0.80 Mag. corr.... -0.010			

1906	s	"	1906	s	"	B. D. +21° 606	1909	s	"
Sept. 20 Hl.	+0.25	-1.3 W.	June 8 Br.	....	-1.0 W.	$\alpha = 4^h 6^m$	Oct. 4 P.	+0.06	+0.9 E.
24 P.	+0.24	-0.1	1907			$\delta = +21^\circ 16'$	28 M.	-0.02	+0.5
Oct. 6 Hl.	+0.07	-0.3	Apr. 19 P.	+0.12	-1.0 E.	1903	30 P.	-0.06	+0.1
11 Hl.	+0.05	-0.9 W.	May 17 Hl.	+0.49	-0.3	Oct. 19 Ei.Y.	Dec. 24 P.	0.00	+0.3
1907			27 P.	+0.37	-0.5	1904	1910		
Sept. 15 M.	-0.16	-0.8 E.	June 6 P.	-0.03	-0.4	Jan. 15 Ei.Y.	Jan. 4 P.	+0.01	+0.8
23 Hl.	+0.44	...	14 M.	+0.59	...	Oct. 24 Ei.Y.	7 P.	+0.05	+0.3
25 M.	+0.22	-0.5	22 P.	+0.40	0.0	Dec. 6 Ei.Y.	10 M.	-0.01	+0.4
27 P.	-0.17	-0.5	27 Hl.	+0.64	-1.4	Mean.....	Sept. 21 M.	+0.02	+1.1
30 Hl.	+0.04	-0.6	July 3 P.	+0.04	-0.9	Mag. corr....	22 L.	-0.02	+0.5
Oct. 2 M.	+0.40	-0.9	8 Hl.	-0.05	-0.6		24 M.	+0.02	0.0
10 Hl.	+0.82	-0.5	19 M.	+0.12	-0.5		26 P.	+0.04	+0.3
25 Hl.	-0.09	0.0 E.	20 M.	+0.11	-0.8		Oct. 23 M.	-0.01	+0.3
1908			1908			B. D. +16° 569	Nov. 16 M.	+0.01	+0.4
Sept. 8 Fk.	-0.24	+0.6 W.	Mar. 13 P.	+0.15	-0.2 E.	$\alpha = 4^h 6^m$	Dec. 3 L.	+0.03	0.0
1909			May 1 Fk.	+0.43	... W.	$\delta = +17^\circ 1'$	12 P.	-0.06	+0.8
Feb. 4 M.	+0.23	+0.4	10 M.	+0.37	-1.2	1903	1911		
6 L.	+0.37	+0.2	1909			Dec. 11 Ei.Y.	Jan. 10 P.	+0.05	+0.2
8 P.	+0.12	-0.5	Feb. 11 P.	[+0.09] [-0.8]		15 Ei.Y.	Feb. 4 L.	+0.01	+0.3 E.
11 M.	0.00	-1.0	17 M.	+0.54	-0.7	1904	Mean.....	+0.014	+0.43
13 L.	+0.21	0.0	19 L.	-0.15	-0.7	Dec. 21 Ei.M.	Mag. corr....	+0.005	
16 P.	-0.03	-1.7	24 M.	-0.82	-0.4	1905			
17 L.	+0.10	-0.8	25 P.	+0.20	-0.3	Dec. 4 Ei.Y.	μ Persei		
18 M.	+0.17	-0.5	26 L.	+0.17	-0.5	Mean.....	$\alpha = 4^h 7^m$		
20 L.	[+0.44] [-0.4]		28 M.	+0.03	-0.8	Mag. corr....	$\delta = +48^\circ 9'$		
25 M.	[-0.06] [-0.5] W.		Mar. 7 M.	-0.18	-0.8		1904		
1910			10 L.	+0.10	-0.4	B. D. +22° 649	Sept. 16 T.	33.23	20.6 E.
Feb. 5 L.	+0.44	-1.0 E.	16 L.	+0.37	-0.1	$\alpha = 4^h 6^m$	22 M.	33.21	18.5
18 P.	+0.25	-0.5	26 L.	+0.16	+0.2	$\delta = +22^\circ 9'$	23 T.	33.19	...
19 L.	+0.56	-1.3	28 M.	+0.20	-0.9	1903	26 T.	33.17	19.3 E.
22 P.	[+0.61] [-0.4]		30 L.	+0.02	-1.2	Nov. 3 Ei.Y.	1906		
25 P.	[+0.25] [-0.2]		31 M.	-0.26	-0.5	6 Ei.Y.	Jan. 30 Br.	33.14	19.5 W.
1911			Apr. 2 L.	+0.55	-1.0	1905	Feb. 7 Bs.	33.13	20.0 W.
Feb. 13 L.	+0.87	-1.3	4 M.	+0.30	-0.9	Jan. 27 Ei.Y.	1907		
21 P.	[+0.20] [-1.0]		7 M.	+0.01	-0.5	Dec. 23 Ei.Y.	Oct. 1 P.	33.14	19.8 E.
23 M.	[-0.04] [-0.3]		10 P.	+0.74	-0.5	Mean.....	1908		
24 P.	[-0.49] [-1.2]		11 M.	-0.04	-0.8	Mag. corr....	Sept. 22 Fk.	33.20	19.9 W.
25 L.	[+1.02] [-0.6]		15 P.	-0.09	-0.1		23 M.	33.18	19.5
27 M.	[+0.71] [-0.2] E.		16 L.	-0.16	-0.3		28 P.	33.16	19.5 W.
Mean.....	+0.209	-0.57	18 M.	+0.45	-1.4	α^1 Eridani	Mean.....	33.175	19.62
Mag. corr....	+0.007		22 P.	-0.02	-0.6	$\alpha = 4^h 6^m$	Mag. corr....	+0.008	
	[+0.402] [-0.53]		26 P.	-0.02	-0.1	$\delta = -7^\circ 5'$			
			28 M.	-0.06	-0.4 W.	$59^\circ 037$	B. D. +27° 649		
151 H ¹ . Cephei s. p.			July 2 P.	-0.07	-0.4 E.	$52'' .77$	$\alpha = 4^h 8^m$		
$\alpha = 4^h 5^m 5^s .741$			1910			1903	$\delta = +27^\circ 42'$		
$\delta = +85^\circ 17' 29'' .39$			Feb. 18 L.	+0.27	+0.4	Sept. 6 L.			
1904	s	"	24 P.	+0.22	-0.2	11 L.			
Mar. 22 M.	+0.05	-0.9 W.	25 L.	+0.15	+0.4	15 L.			
23 R.	-0.04	+0.3	Mar. 3 P.	+0.40	-0.4				
28 Br.	+0.11	0.0	4 L.	-0.39	0.0	1904			
Apr. 1 M.	+0.20	-0.4	21 P.	-0.07	-0.5	Feb. 13 R.	+0.04	+0.6 W.	
4 Br.	-0.20	+0.1	1911			1905			
12 M.	+0.57	+0.8	Feb. 23 P.	+0.47	-1.5	Feb. 2 Y.	+0.04	+2.1 E.	
14 Br.	+0.44	+0.2	24 L.	+0.13	+0.2	11 M.	+0.02	+0.1 E.	
17 R.	+0.13	+0.9	27 P.	+0.68	-0.4	Sept. 24 Hl.	-0.02	+0.6 W.	
19 M.	+0.61	+0.3	Mar. 8 M.	+0.17	-0.8	Oct. 12 Br.	+0.02	+0.6	
22 M.	+0.05	-0.8	10 L.	+0.44	+0.2	15 Hl.	+0.03	-0.1	
May 1 M.	+0.46	-0.9	15 M.	+1.43	+0.7 E.	Dec. 11 Hl.	+0.05	+0.4	
25 Br.	-0.37	+0.2	Mean.....	+0.209	-0.35	1906			
June 15 M.	+0.38	-1.0	Mag. corr....	+0.010		Feb. 2 Br.	+0.05	-0.1	
July 19 Br.	-0.06	-0.4 W.				Sept. 10 P.	....	+1.0 W.	
1905						1907			
Feb. 23 Br.	+0.40	0.0 E.	B. D. +15° 592			Sept. 13 P.	+0.01	+0.3 E.	
Mar. 10 M.	+0.69	+0.3	$\alpha = 4^h 5^m$			Nov. 26 P.	+0.05	+0.1	
12 Y.	+0.45	+0.5	$\delta = +15^\circ 41'$			1908			
30 Br.	+0.46	0.0	1903	s	"	Jan. 17 P.M.	+0.03	+1.0	
Apr. 7 M.	+0.18	+0.1	Oct. 12 Ei.Y.	14.44	9.1 W.	18 M.P.	-0.06	+0.9	
9 Y.	+0.14	-0.7	13 Ei.Y.	14.45	8.9 W.	27 P.	+0.03	+0.4 E.	
June 16 Br.	+0.23	-0.8 E.	1905			Oct. 11 M.	-0.01	-1.0 W.	
1906			Jan. 18 Ei.M.	14.45	9.3 E.	Nov 8 M.	0.00	0.0	
Feb. 19 Br.	+0.13	-0.3 W.	Dec. 26 Ei.Y.	14.50	9.2 W.	1909			
22 Bs.	+0.66	-0.4	Mean.....	14.460	9.12	Jan. 22 P.	+0.03	+0.6	
Mar. 5 Br.	+0.52	+0.1	Mag. corr....	+0.009		25 M.	+0.03	+0.4	
17 Bs.	+0.24	-0.4				26 L.	-0.02	+0.2	
19 Br.	+0.43	-1.2				27 P.	0.00	+0.1	
22 Br.	-0.04	+1.2				28 M.	-0.01	+0.4 W.	
Apr. 27 Bs.	+0.04	+0.6 W.				Oct. 2 P.	+0.04	+0.4 E.	

1905	s	"	1905	s	"	B. D. +20° 724	B. D. +20° 733
Jan. 14 Ei.M.	27. 24	34. 1 E.	Oct. 3 Bs.	6. 18	31. 3 W.	$\alpha = 4^h 11^m$	$\alpha = 4^h 13^m$
Dec. 5 Ei.Y.	27. 18	34. 1 W.	8 Hl.	6. 20	31. 5 W.	$\delta = +20^\circ 19'$	$\delta = +20^\circ 54'$
Mean.....	27. 222	34. 08	1907			1903	1903
Mag. corr....	+0. 012		Sept. 12 Hl.	6. 25	31. 7 E.	Dec. 3 Ei.Y.	Oct. 20 Ei.Y.
			Oct. 21 Hl.	6. 24	30. 6	7 Ei.Y.	22 Ei.Y.
			1908			1904	1905
B. D. +19° 679			Jan. 17 P.M.	6. 26	31. 6	Dec. 21 Ei.M.	Jan. 18 Ei.M.
$\alpha = 4^h 8^m$			18 M.P.	6. 21	31. 5	1905	Dec. 26 Ei.Y.
$\delta = +19^\circ 19'$			Feb. 1 P.	6. 30	31. 5 E.	Dec. 4 Ei.Y.	Mean.....
1903	s	"	Mean.....	6. 230	31. 46	Mean.....	Mag. corr....
Oct. 12 Ei.Y.	31. 49	37. 7 W.	Mag. corr....	+0. 005		Mag. corr....	
13 Ei.Y.	31. 52	37. 6 W.					
1904							
Dec. 16 Ei.M.	31. 51	37. 7 E.					
1905							
Dec. 13 Ei.Y.	31. 52	37. 8 W.					
Mean.....	31. 510	37. 70					
Mag. corr....	-0. 002						
B. D. +22° 657							
$\alpha = 4^h 8^m$							
$\delta = +22^\circ 11'$							
1903	s	"					
Oct. 19 Ei.Y.	33. 65	56. 7 W.					
20 Ei.Y.	33. 63	56. 9 W.					
1905							
Jan. 18 Ei.M.	33. 64	56. 2 E.					
Dec. 26 Ei.Y.	33. 64	56. 3 W.					
Mean.....	33. 640	56. 52					
Mag. corr....	+0. 012						
A Eridani							
$\alpha = 4^h 9^m$							
$\delta = -10^\circ 30'$							
1904	s	"					
Feb. 8 Br.	38. 26	15. 8 W.					
9 Br.	38. 27	15. 1					
15 M.	38. 16	15. 7 W.					
1907							
Sept. 11 M.	38. 20	17. 1 E.					
1908							
Jan. 14 P.	38. 23	17. 2					
29 P.	38. 29	17. 3					
Feb. 3 P.	38. 29	(20. 1)					
4 P.	38. 28	17. 0 E.					
Oct. 11 M.	38. 30	17. 6 W.					
Nov. 8 M.	38. 25	17. 1 W.					
Mean.....	38. 253	16. 66					
Mag. corr....	0. 000						
B. D. +15° 603							
$\alpha = 4^h 10^m$							
$\delta = +15^\circ 9'$							
1903	s	"					
Oct. 20 Ei.Y.	5. 60	2. 5 W.					
Nov. 6 Ei.Y.	5. 65	1. 8 W.					
1904							
Oct. 24 Ei.Y.	5. 63	2. 2 E.					
1905							
Dec. 6 Ei.Y.	5. 59	2. 0 W.					
Mean.....	5. 618	2. 12					
Mag. corr....	+0. 019						
μ Tauri							
$\alpha = 4^h 10^m$							
$\delta = +8^\circ 38'$							
1905	s	"					
Sept. 13 Bs.	6. 17	32. 1 W.					
14 Hl.	6. 25	31. 5					
15 Bs.	6. 24	31. 3 W.					

1905	s	"	1905	s	"	B. D. +17° 703	B. D. +21° 623
Oct. 3 Bs.	6. 18	31. 3 W.	Oct. 3 Bs.	6. 18	31. 3 W.	$\alpha = 4^h 12^m$	$\alpha = 4^h 13^m$
8 Hl.	6. 20	31. 5 W.	8 Hl.	6. 20	31. 5 W.	$\delta = +18^\circ 0'$	$\delta = +21^\circ 31'$
1907			1907			1903	1903
Sept. 12 Hl.	6. 25	31. 7 E.	Sept. 12 Hl.	6. 25	31. 7 E.	Dec. 3 Ei.Y.	Oct. 20 Ei.Y.
Oct. 21 Hl.	6. 24	30. 6	Oct. 21 Hl.	6. 24	30. 6	7 Ei.Y.	22 Ei.Y.
1908			1908			1904	1905
Jan. 17 P.M.	6. 26	31. 6	Jan. 17 P.M.	6. 26	31. 6	Dec. 21 Ei.M.	Jan. 18 Ei.M.
18 M.P.	6. 21	31. 5	18 M.P.	6. 21	31. 5	1905	Dec. 26 Ei.Y.
Feb. 1 P.	6. 30	31. 5 E.	Feb. 1 P.	6. 30	31. 5 E.	Dec. 4 Ei.Y.	Mean.....
Mean.....	6. 230	31. 46	Mean.....	6. 230	31. 46	Mean.....	Mag. corr....
Mag. corr....	+0. 005		Mag. corr....	+0. 005		Mag. corr....	
α^2 Eridani			α^2 Eridani				
$\alpha = 4^h 10^m 38^s.806$			$\alpha = 4^h 10^m 38^s.806$				
$\delta = -7^\circ 49' 1''.67$			$\delta = -7^\circ 49' 1''.67$				
1905	s	"	1905	s	"	1903	1903
Feb. 2 Y.	+0. 03	+1. 8 E.	Feb. 2 Y.	+0. 03	+1. 8 E.	Nov. 6 Ei.Y.	Dec. 15 Ei.Y.
11 M.	+0. 04	+0. 4 E.	11 M.	+0. 04	+0. 4 E.	1904	1904
1906			1906			Jan. 15 Ei.Y.	Jan. 27 Ei.Y.
Jan. 5 Ei.Y.	0. 00	+1. 6 W.	Jan. 5 Ei.Y.	0. 00	+1. 6 W.	1905	Oct. 24 Ei.Y.
Feb. 2 Br.	+0. 01	-0. 6 W.	Feb. 2 Br.	+0. 01	-0. 6 W.	Jan. 16 Ei.Y.	1905
1907			1907			Dec. 23 Ei.Y.	Dec. 6 Ei.Y.
Sept. 24 P.	0. 00	+0. 5 E.	Sept. 24 P.	0. 00	+0. 5 E.	Mean.....	Mean.....
26 Hl.	-0. 01	+0. 9	26 Hl.	-0. 01	+0. 9	Mag. corr....	Mag. corr....
Nov. 26 P.	+0. 05	+0. 2	Nov. 26 P.	+0. 05	+0. 2		
Dec. 18 P.	+0. 02	+0. 8	Dec. 18 P.	+0. 02	+0. 8		
1908			1908				
Jan. 27 P.	+0. 07	-0. 3	Jan. 27 P.	+0. 07	-0. 3		
Feb. 6 P.	+0. 04	+0. 5 E.	Feb. 6 P.	+0. 04	+0. 5 E.		
1909			1909				
Jan. 20 L.	-0. 07	+1. 3 W.	Jan. 20 L.	-0. 07	+1. 3 W.		
22 P.	+0. 01	+1. 2	22 P.	+0. 01	+1. 2		
25 M.	+0. 01	+0. 3	25 M.	+0. 01	+0. 3		
26 L.	+0. 01	+1. 1	26 L.	+0. 01	+1. 1		
27 P.	+0. 06	+0. 1	27 P.	+0. 06	+0. 1		
28 M.	+0. 05	+0. 8	28 M.	+0. 05	+0. 8		
Feb. 4 M.	-0. 04	-0. 1	Feb. 4 M.	-0. 04	-0. 1		
6 L.	+0. 03	+2. 0	6 L.	+0. 03	+2. 0		
8 P.	0. 00	0. 0	8 P.	0. 00	0. 0		
11 M.	+0. 02	+1. 0	11 M.	+0. 02	+1. 0		
16 P.	0. 00	+0. 8	16 P.	0. 00	+0. 8		
17 L.	+0. 02	+0. 6	17 L.	+0. 02	+0. 6		
18 M.	+0. 02	+1. 4 W.	18 M.	+0. 02	+1. 4 W.		
Oct. 2 P.	+0. 06	+0. 7 E.	Oct. 2 P.	+0. 06	+0. 7 E.		
4 P.	+0. 04	+1. 2	4 P.	+0. 04	+1. 2		
28 M.	+0. 03	+0. 9	28 M.	+0. 03	+0. 9		
30 P.	+0. 01	+0. 3	30 P.	+0. 01	+0. 3		
1910			1910				
Jan. 16 P.	-0. 01	+0. 6	Jan. 16 P.	-0. 01	+0. 6		
Feb. 1 M.	+0. 02	+1. 2	Feb. 1 M.	+0. 02	+1. 2		
5 L.	+0. 03	+0. 4	5 L.	+0. 03	+0. 4		
19 L.	-0. 03	+0. 7	19 L.	-0. 03	+0. 7		
Sept. 21 M.	+0. 05	+0. 8	Sept. 21 M.	+0. 05	+0. 8		
22 L.	+0. 02	+0. 8	22 L.	+0. 02	+0. 8		
24 M.	+0. 05	+0. 2	24 M.	+0. 05	+0. 2		
25 M.	+0. 06	+0. 6	25 M.	+0. 06	+0. 6		
26 P.	+0. 05	0. 0	26 P.	+0. 05	0. 0		
23 M.	+0. 01	+0. 9	23 M.	+0. 01	+0. 9		
Nov. 16 M.	+0. 06	+0. 6	Nov. 16 M.	+0. 06	+0. 6		
Dec. 3 L.	0. 00	+0. 5	Dec. 3 L.	0. 00	+0. 5		
12 P.	0. 00	+0. 2 E.	12 P.	0. 00	+0. 2 E.		
Mean.....	+0. 020	+0. 67	Mean.....	+0. 020	+0. 67		
Mag. corr....	+0. 004		Mag. corr....	+0. 004			
B. D. +19° 687			B. D. +19° 687				
$\alpha = 4^h 11^m$			$\alpha = 4^h 11^m$				
$\delta = +19^\circ 41'$			$\delta = +19^\circ 41'$				
1905	s	"	1905	s	"		
Dec. 6 Ei.Y.	0. 50	55. 0 W.	Dec. 6 Ei.Y.	0. 50	55. 0 W.		
13 Ei.Y.	0. 57	54. 7	13 Ei.Y.	0. 57	54. 7		
23 Ei.Y.	0. 55	54. 2 W.	23 Ei.Y.	0. 55	54. 2 W.		
Mean.....	0. 540	54. 63	Mean.....	0. 540	54. 63		
Mag. corr....	-0. 005		Mag. corr....	-0. 005			
B. D. +39° 973			B. D. +39° 973				
$\alpha = 4^h 13^m$			$\alpha = 4^h 13^m$				
$\delta = +39^\circ 35'$			$\delta = +39^\circ 35'$				
1903	s	"	1903	s	"		
Oct. 19 Ei.Y.	28. 12	6. 0 W.	Oct. 19 Ei.Y.	28. 12	6. 0 W.		
1904			1904				
Jan. 30 Ei.Y.	28. 12	5. 8 W.	Jan. 30 Ei.Y.	28. 12	5. 8 W.		
Dec. 16 Ei.M.	28. 10	6. 0 E.	Dec. 16 Ei.M.	28. 10	6. 0 E.		
1905			1905				
Dec. 13 Ei.Y.	28. 11	6. 8 W.	Dec. 13 Ei.Y.	28. 11	6. 8 W.		
Mean.....	28. 112	6. 15	Mean.....	28. 112	6. 15		
Mag. corr....	-0. 006		Mag. corr....	-0. 006			
B. D. +39° 973			B. D. +39° 973				
$\alpha = 4^h 13^m$			$\alpha = 4^h 13^m$				
$\delta = +39^\circ 35'$			$\delta = +39^\circ 35'$				
1903	s	"	1903	s	"		
Jan. 24 Hl.	26. 96	20. 7 E.	Jan. 24 Hl.	26. 96	20. 7 E.		
25 Hl.	26. 97	21. 2 E.	25 Hl.	26. 97	21. 2 E.		
Mean.....	26. 965	20. 95	Mean.....	26. 965	20. 95		
Mag. corr....	-0. 001		Mag. corr....	-0. 001			
B. D. +20° 724			B. D. +20° 724				
$\alpha = 4^h 11^m$			$\alpha = 4^h 11^m$				
$\delta = +20^\circ 19'$			$\delta = +20^\circ 19'$				
1903	s	"	1903	s	"		
Dec. 3 Ei.Y.	24. 04	57. 2 W.	Dec. 3 Ei.Y.	24. 04	57. 2 W.		
7 Ei.Y.	24. 00	57. 4 W.	7 Ei.Y.	24. 00	57. 4 W.		
1904			1904				
Dec. 21 Ei.M.	23. 97	57. 7 E.	Dec. 21 Ei.M.	23. 97	57. 7 E.		
1905			1905				
Dec. 4 Ei.Y.	24. 01	56. 9 W.	Dec. 4 Ei.Y.	24. 01	56. 9 W.		
Mean.....	24. 005	57. 30	Mean.....	24. 005	57. 30		
Mag. corr....	+0. 003		Mag. corr....	+0. 003			
B. D. +20° 733			B. D. +20° 733				
$\alpha = 4^h 13^m$			$\alpha = 4^h 13^m$				
$\delta = +20^\circ 54'$			$\delta = +20^\circ 54'$				
1903	s	"	1903	s	"		
Oct. 20 Ei.Y.	32. 34	2. 4 W.	Oct. 20 Ei.Y.	32. 34	2. 4 W.		
22 Ei.Y.	32. 41	1. 2 W.	22 Ei.Y.	32. 41	1. 2 W.		
1905			1905				
Jan. 18 Ei.M.	32. 41	1. 8 E.	Jan. 18 Ei.M.	32. 41	1. 8 E.		
Dec. 26 Ei.Y.	32. 41	1. 4 W.	Dec. 26 Ei.Y.	32. 41	1. 4 W.		
Mean.....	32. 392	1. 70	Mean.....	32. 392	1. 70		
Mag. corr....	-0. 003		Mag. corr....	-0. 003			
B. D. +21° 623			B. D. +21° 623				
$\alpha = 4^h 13^m$			$\alpha = 4^h 13^m$				
$\delta = +21^\circ 31'$			$\delta = +21^\circ 31'$				
1903	s	"	1903	s	"		
Dec. 15 Ei.Y.	41. 43	55. 1 W.	Dec. 15 Ei.Y.	41. 43	55. 1 W.		
1904			1904				
Jan. 27 Ei.Y.	41. 48	55. 2 W					

1905	s	"	B. D. +13° 663	1905	s	"	1906	s	"			
Oct. 8 HI.	+0.04	+0.8 W.	$\alpha = 4^h 14^m$	Oct. 5 Br.	17.28	40.7 W.	Feb. 2 Br.	+0.04	+0.6 W.			
14 Bs.	+0.04	+0.5	$\delta = +13^\circ 47'$	11 Bs.	17.20	41.4 W.	3 HI.	-0.03	+0.3			
15 HI.	+0.01	+0.6	1903	1907			Sept. 10 P.	....	+0.7			
Nov. 11 HI.	+0.02	+1.0	Oct. 19 Ei.Y.	19.79	39.0 W.	Sept. 12 HI.	19 P.	-0.02	+0.4			
Dec. 4 Ei.Y.	+0.02	+0.4	1904	Jan. 30 Ei.Y.	19.82	39.4 W.	20 HI.	-0.02	+0.6 W.			
11 HI.	-0.02	+1.1	1905	Jan. 14 Ei.M.	19.85	39.4 E.	1907					
1906			Dec. 5 Ei.Y.	19.83	39.2 W.	Sept. 23 HI.	+0.07	.... E.				
Jan. 5 Ei.Y.	+0.04	+1.1 W.	Mean.....	19.822	39.25	26 HI.	0.00	+1.0				
1907			Mag. corr....	-0.006		27 P.	+0.07	+0.7				
Sept. 15 M.	-0.02	+0.3 E.	B. D. +18° 624	1908			Oct. 1 P.	+0.03	-0.3			
Oct. 4 P.	+0.02	+0.3	$\alpha = 4^h 14^m$	Jan. 14 P.	17.39	41.4 E.	2 M.	+0.08	+0.6			
Dec. 18 P.	+0.02	+0.3	$\delta = +18^\circ 30'$	Oct. 6 L.	17.34	41.8 W.	21 HI.	+0.03	+0.7			
1908			1903	Nov. 8 M.	17.29	41.1	1908					
Jan. 27 P.	-0.04	(+3.9)	Oct. 20 Ei.Y.	36.40	10.6 W.	Mean.....	17.316	41.04	Jan. 12 P.	+0.03	-0.1	
29 P.	+0.01	0.0	1904	Jan. 27 Ei.Y.	36.45	10.9 W.	Mag. corr....	-0.001	22 P.	+0.06	+0.5	
30 Ei.M.	+0.03	+1.2	1905	Dec. 16 Ei.M.	36.46	10.3 E.	B. D. +13° 668			27 P.	-0.03	+1.1
Feb. 6 P.	-0.08	.... E.	Dec. 13 Ei.Y.	36.46	10.8 W.	Jan. 30 Ei.Y.	25.43	27.2 W.	30 Ei.M.	+0.02	+1.4	
Sept. 22 Fk.	-0.02	+0.6 W.	Mean.....	36.442	10.65	Dec. 19 Ei.M.	25.41	27.8 E.	Feb. 1 P.	+0.13	0.0	
23 M.	+0.02	+0.4	Mag. corr....	-0.010		1905	Dec. 7 Ei.Y.	25.38	3 P.	+0.05	+1.0	
28 P.	+0.03	+0.7 W.	B. D. +14° 682	1909			Mean.....	25.425	4 P.	+0.01	(+2.6)	
1909			$\alpha = 4^h 14^m$	Oct. 19 Ei.Y.	25.48	27.1 W.	Mag. corr....	-0.008	6 P.	+0.03	+0.3 E.	
Oct. 30 P.	+0.02	+0.8 E.	$\delta = +14^\circ 51'$	1904	Jan. 30 Ei.Y.	25.43	1909			Sept. 17 P.	-0.01	-0.3 W.
Nov. 26 L.	-0.01	+0.8	1903	Dec. 19 Ei.M.	25.41	27.8 E.	1910			23 M.	+0.02	+0.5
1910			1904	Mean.....	25.38	27.4 W.	1910			28 P.	+0.09	+0.9
Sept. 25 M.	+0.03	-0.1	Jan. 15 Ei.Y.	56.02	21.2 W.	Mean.....	25.425	27.38	Feb. 17 L.	+0.03	.... W.	
26 P.	+0.03	+0.4	25 Ei.Y.	56.06	21.7 W.	Mag. corr....	-0.008		Nov. 26 L.	-0.01	+1.1 E.	
Nov. 16 M.	0.00	+0.1 E.	1905	Mean.....	56.042	21.05	B. D. +20° 744			1910		
Mean.....	+0.014	+0.61	Dec. 26 Ei.Y.	56.05	21.1 W.	Mag. corr....	-0.002		Feb. 18 P.	+0.03	+0.2	
Mag. corr....	-0.007		Mean.....	56.042	21.05	B. D. +20° 751			Sept. 25 M.	+0.07	+0.5	
v ⁴ Eridani			B. D. +13° 665	1903			B. D. +24° 654			26 P.	+0.03	+0.8
$\alpha = 4^h 14^m 6^s.545$			$\alpha = 4^h 15^m$	Jan. 18 Ei.M.	56.04	20.2 E.	1903			Nov. 16 M.	+0.03	+0.3
$\delta = -34^\circ 2' 32''.07$			$\delta = +13^\circ 37'$	Dec. 26 Ei.Y.	56.05	21.1 W.	1904			19 P.	-0.05	....
1903			1903	Mean.....	56.042	21.05	1904			Dec. 14 L.	-0.01	+0.7 E.
Sept. 4 L.	....	[0.0] W.	Dec. 22 Ei.Y.	15.23	32.2 W.	Mag. corr....	-0.002		Mean.....	+0.025	+0.56	
6 L.	+0.05	+0.7	1904	Jan. 14 Ei.Y.	15.16	32.1 W.	B. D. +20° 744			Mag. corr....	-0.004	
11 L.	+0.17	+1.1	Oct. 24 Ei.Y.	15.18	31.8 E.	Mean.....	29.678	6.10	B. D. +20° 751			
13 L.	+0.09	+0.4	1905	Dec. 6 Ei.Y.	15.19	32.4 W.	B. D. +25° 707			1904		
15 L.	+0.19	-1.0 W.	Mean.....	15.190	32.12	Mag. corr....	+0.022		1905			
1908			Mag. corr....	+0.022		B. D. +25° 738			1905			
Jan. 14 P.	+0.16	-0.1 E.	B. D. +20° 740	1903			B. D. +25° 707			1904		
17 P.M.	+0.13	-0.1	$\alpha = 4^h 15^m$	Dec. 11 Ei.Y.	37.50	8.3 W.	B. D. +25° 738			1905		
18 M.P.	+0.12	+0.5	$\delta = +13^\circ 37'$	15 Ei.Y.	37.45	8.6 W.	B. D. +25° 738			1905		
Feb. 3 P.	+0.22	+0.6	1903	Dec. 21 Ei.M.	37.47	9.5 E.	B. D. +25° 738			1905		
4 P.	+0.14	+1.3 E.	1904	Dec. 4 Ei.Y.	37.43	8.4 W.	B. D. +25° 738			1905		
Mean.....	+0.141	+0.38	1905	Mean.....	37.462	8.70	B. D. +25° 738			1905		
Mag. corr....	-0.002		Mean.....	37.462	8.70	Mag. corr....	+0.013		B. D. +25° 738			
B. D. +16° 579			Mag. corr....	+0.013		B. D. +25° 738			B. D. +25° 738			
$\alpha = 4^h 14^m$			B. D. +27° 655	1903			B. D. +25° 738			B. D. +25° 738		
$\delta = +16^\circ 16'$			$\alpha = 4^h 14^m$	Oct. 12 Ei.Y.	12.17	41.7 W.	B. D. +25° 738			B. D. +25° 738		
1903			$\delta = +27^\circ 6'$	13 Ei.Y.	12.13	41.5 W.	B. D. +25° 738			B. D. +25° 738		
Nov. 3 Ei.Y.	11.29	53.3 W.	1903	Dec. 19 Ei.M.	12.12	42.8 E.	B. D. +25° 738			B. D. +25° 738		
6 Ei.Y.	11.35	53.9 W.	1904	Dec. 7 Ei.Y.	12.20	42.0 W.	B. D. +25° 738			B. D. +25° 738		
1905			1905	Mean.....	12.155	42.00	B. D. +25° 738			B. D. +25° 738		
Jan. 16 Ei.Y.	11.33	53.6 E.	Mean.....	12.155	42.00	Mag. corr....	+0.013		B. D. +25° 738			
Dec. 23 Ei.Y.	11.37	54.6 W.	Mag. corr....	+0.013		B. D. +25° 738			B. D. +25° 738			
Mean.....	11.335	53.85	B. D. +27° 655	1903			B. D. +25° 738			B. D. +25° 738		
Mag. corr....	+0.013		$\alpha = 4^h 14^m$	Oct. 12 Ei.Y.	12.17	41.7 W.	B. D. +25° 738			B. D. +25° 738		
B. D. +27° 655			$\delta = +27^\circ 6'$	13 Ei.Y.	12.13	41.5 W.	B. D. +25° 738			B. D. +25° 738		
$\alpha = 4^h 14^m$			1903	Dec. 19 Ei.M.	12.12	42.8 E.	B. D. +25° 738			B. D. +25° 738		
$\delta = +27^\circ 6'$			1904	Dec. 7 Ei.Y.	12.20	42.0 W.	B. D. +25° 738			B. D. +25° 738		
1903			1905	Mean.....	12.155	42.00	B. D. +25° 738			B. D. +25° 738		
Oct. 12 Ei.Y.	12.17	41.7 W.	Mean.....	12.155	42.00	Mag. corr....	+0.013		B. D. +25° 738			
13 Ei.Y.	12.13	41.5 W.	Mag. corr....	+0.013		B. D. +25° 738			B. D. +25° 738			
1904			B. D. +212 G. Eridani	1903			B. D. +25° 738			B. D. +25° 738		
Dec. 19 Ei.M.	12.12	42.8 E.	$\alpha = 4^h 16^m$	Sept. 15 M.	17.30	41.4 E.	B. D. +25° 738			B. D. +25° 738		
1905			$\delta = -20^\circ 52'$	21 T.	17.27	.... E.	B. D. +25° 738			B. D. +25° 738		
Dec. 7 Ei.Y.	12.20	42.0 W.	1904	1906			B. D. +25° 738			B. D. +25° 738		
Mean.....	12.155	42.00	Mean.....	12.155	42.00	Mag. corr....	+0.013		B. D. +25° 738			
Mag. corr....	0.000		Mag. corr....	+0.013		B. D. +25° 738			B. D. +25° 738			

B. D. +23° 684

$\alpha = 4^h 17^m$

$\delta = +24^\circ 4'$

1903

Oct. 19 Ei.Y. 57.92 5.4 W.

1904

Jan. 27 Ei.Y. 57.91 5.7 W.

1905

Jan. 16 Ei.Y. 57.86 5.3 E.

1906

Jan. 5 Ei.Y. 57.88 6.0 W.

Mean..... 57.892 5.60

Mag. corr.... +0.021

B. D. +17° 714

$\alpha = 4^h 18^m$

$\delta = +17^\circ 12'$

1903

Oct. 20 Ei.Y. 19.79 45.0 W.

22 Ei.Y. 19.85 43.9 W.

1904

Dec. 19 Ei.M. 19.81 44.7 E.

1905

Dec. 7 Ei.Y. 19.88 45.2 W.

Mean..... 19.832 44.70

Mag. corr.... +0.003

B. D. +38° 886

$\alpha = 4^h 18^m$

$\delta = +38^\circ 49'$

1908

Jan. 24 Hl. 34.49 24.2 E.

25 Hl. 34.43 24.6 E.

Mean..... 34.460 24.40

Mag. corr.... -0.001

B. D. +25° 710

$\alpha = 4^h 19^m$

$\delta = +25^\circ 31'$

1904

Jan. 27 Ei.Y. 4.70 9.8 W.

30 Ei.Y. 4.77 9.6 W.

1905

Jan. 14 Ei.M. 4.72 9.6 E.

Dec. 5 Ei.Y. 4.81 9.6 W.

Mean..... 4.750 9.65

Mag. corr.... +0.003

B. D. +18° 633

$\alpha = 4^h 19^m$

$\delta = +18^\circ 48'$

1903

Dec. 11 Ei.Y. 7.41 44.2 W.

15 Ei.Y. 7.33 44.1 W.

1904

Dec. 16 Ei.M. 7.36 44.2 E.

1905

Dec. 13 Ei.Y. 7.42 44.0 W.

Mean..... 7.380 44.12

Mag. corr.... +0.023

B. D. +21° 642

$\alpha = 4^h 19^m$

$\delta = +22^\circ 3'$

1903

Nov. 3 Ei.Y. 24.47 53.9 W.

6 Ei.Y. 24.53 54.8 W.

1905

Jan. 18 Ei.M. 24.53 54.2 E.

Dec. 23 Ei.Y. 24.55 54.6 W.

Mean..... 24.520 54.38

Mag. corr..... +0.008

B. D. +21° 643

$\alpha = 4^h 19^m$

$\delta = +21^\circ 58'$

1903

Oct. 13 Ei.Y. 27.54 16.7 W.

1904

Feb. 3 Ei.Y. 27.51 16.6 W.

Oct. 24 Ei.Y. 27.53 17.2 E.

1905

Dec. 6 Ei.Y. 27.52 17.5 W.

Mean..... 27.525 17.00

Mag. corr..... -0.003

68 Tauri

$\alpha = 4^h 19^m$

$\delta = +17^\circ 41'$

1903

Oct. 19 Ei.Y. 42.26 57.8 W.

1904

Feb. 4 Ei.Y. 42.21 58.2

8 Br. 42.22 57.6

9 Br. 42.25 58.2

13 R. 42.24 58.3

15 M. 42.14 58.2 W.

Sept. 16 T. 42.22 58.1 E.

22 M. 42.23 57.5

23 T. 42.31 57.1

26 T. 42.25 57.6

1905

Jan. 27 Ei.Y. 42.25 57.7 E.

Oct. 3 Bs. 42.22 57.8 W.

Dec. 4 Ei.Y. 42.22 57.1 W.

1907

Sept. 11 M. 42.21 57.8 E.

Mean..... 42.231 57.79

Mag. corr..... +0.010

B. D. +15° 621

$\alpha = 4^h 19^m$

$\delta = +15^\circ 42'$

1903

Oct. 20 Ei.Y. 54.75 45.1 W.

22 Ei.Y. 54.83 44.3 W.

1905

Jan. 16 Ei.Y. 54.76 45.6 E.

Dec. 26 Ei.Y. 54.85 45.2 W.

Mean..... 54.798 45.05

Mag. corr..... +0.019

v⁵ Eridani

$\alpha = 4^h 20^m 16^s.876$

$\delta = -34^\circ 14' 56''.26$

1903

Sept. 4 L. [+1.4] W.

6 L. +1.5

11 L. +0.07 +1.2

13 L. +0.03 +1.2

15 L. +0.08 +0.1 W.

1907

Sept. 24 P. +0.09 +0.2 E.

26 Hl. -0.01 +0.9

Oct. 1 P. +0.03 +1.4

2 M. +0.02 -0.2

6 M. -0.01 +0.7 E.

Mean..... +0.038 +0.78

Mag. corr..... -0.004

B. D. +22° 696

$\alpha = 4^h 20^m$

$\delta = +22^\circ 35'$

1903

Dec. 7 Ei.Y. 19.35 12.8 W.

11 Ei.Y. 19.38 13.1 W.

1904

Dec. 19 Ei.M. 19.42 12.9 E.

1905

Dec. 7 Ei.Y. 19.37 12.8 W.

Mean..... 19.380 12.90

Mag. corr..... +0.008

B. D. +15° 625

$\alpha = 4^h 20^m$

$\delta = +15^\circ 23'$

1904

Jan. 15 Ei.Y. 38.92 29.3 W.

25 Ei.Y. 38.87 29.6 W.

1905

Jan. 14 Ei.M. 38.82 29.5 E.

Dec. 5 Ei.Y. 38.89 28.5 W.

Mean..... 38.875 29.22

Mag. corr..... +0.006

B. D. +14° 697

$\alpha = 4^h 20^m$

$\delta = +14^\circ 29'$

1903

Dec. 22 Ei.Y. 57.33 16.1 W.

1904

Jan. 14 Ei.Y. 57.35 15.9 W.

Dec. 16 Ei.M. 57.30 16.2 E.

1906

Jan. 5 Ei.Y. 57.32 16.0 W.

Mean..... 57.325 16.05

Mag. corr..... +0.002

B. D. +22° 699

$\alpha = 4^h 21^m$

$\delta = +22^\circ 46'$

1904

Jan. 27 Ei.Y. 18.61 15.9 W.

30 Ei.Y. 18.65 15.7 W.

Dec. 21 Ei.M. 18.59 16.4 E.

1905

Dec. 13 Ei.Y. 18.56 16.0 W.

Mean..... 18.602 16.00

Mag. corr..... -0.003

B. D. +21° 647

$\alpha = 4^h 22^m$

$\delta = +21^\circ 23'$

1903

Oct. 19 Ei.Y. 4.62 49.3 W.

1904

Feb. 3 Ei.Y. 4.56 48.6 W.

Oct. 24 Ei.Y. 4.57 48.8 E.

1905

Dec. 6 Ei.Y. 4.61 49.3 W.

Mean..... 4.590 49.00

Mag. corr..... -0.007

B. D. +16° 605

$\alpha = 4^h 22^m$

$\delta = +16^\circ 8'$

1903

Nov. 6 Ei.Y. 43.32 11.3 W.

1905

Jan. 16 Ei.Y. 43.34 10.7 E.

Dec. 23 Ei.Y. 43.37 10.9 W.

1906

Jan. 6 Ei.Y. 43.38 11.1 W.

Mean..... 43.352 11.00

Mag. corr..... -0.002

B. D. +14° 702

$\alpha = 4^h 22^m$

$\delta = +14^\circ 31'$

1903

Oct. 20 Ei.Y. 43.44 7.1 W.

22 Ei.Y. 43.44 6.1

Nov. 3 Ei.Y. 43.38 6.8 W.

1905

Jan. 18 Ei.M. 43.47 6.9 E.

Mean..... 43.432 6.72

Mag. corr..... -0.010

e Tauri

$\alpha = 4^h 22^m 46''.645$

$\delta = +18^\circ 57' 31''.17$

1903

Oct. 12 Ei.Y. +0.04 +0.3 W.

13 Ei.Y. -0.05 0.0

Dec. 11 Ei.Y. +0.02 +0.2

15 Ei.Y. -0.07 +0.4

1904

Feb. 20 R. +0.06 +0.5 W.

Sept. 15 M. -0.04 +0.6 E.

21 T. +0.04 +1.6

Oct. 1 M. +0.06 +0.8

Dec. 19 Ei.M. -0.01 +0.4

1905

Jan. 28 Ei.M. +0.07 +0.9

Feb. 2 Y. 0.00 +1.7 E.

Oct. 3 Bs. -0.03 +0.5 W.

5 Br. +0.05 +1.3

8 Hl. +0.01 +1.3

12 Br. 0.00 +1.0

14 Bs. +0.05 +1.2

15 Hl. +0.02 +1.0

29 Hl. 0.00 +0.6

Nov. 1 Hl. +0.04 +1.4

Dec. 4 Ei.Y. +0.04 +0.4

7 Ei.Y. -0.02 +1.0

1906

Feb. 2 Br. +0.02 (-1.2) W.

1907

Sept. 23 Hl. +0.03 ... E.

27 P. +0.02 +0.5

Oct. 10 Hl. -0.02 +0.3

21 Hl. +0.03 +0.7

25 Hl. 0.00 +0.1

1908

Jan. 12 P. +0.06 +0.5

14 P. -0.03 +0.7

15 Hl. +0.01 ...

16 Hl. +0.06 ...

22 P. +0.04 +0.7

27 P. -0.01 +1.2

30 Ei.M. +0.01 +0.6

Feb. 3 P. 0.00 +0.7

4 P. 0.00 +0.7 E.

Sept. 22 Fk. +0.01 +0.3 W.

23 M. +0.04 +0.2

28 P. +0.02 +0.7

Oct. 11 M. +0.04 0.0

1909

Feb. 17 L. -0.01 ...

20 L. -0.02 +0.8 W.

Nov. 26 L. 0.00 +0.6 E.

1910

Aug. 27 L. [-0.02] [+0.4] E.

<p>1910</p> <p>Sept. 25 M. $+0.03$ $+0.4$ E.</p> <p>26 P. -0.02 -0.1</p> <p>Nov. 16 M. -0.02 $+0.3$</p> <p>Dec. 14 L. $+0.05$ $+0.4$</p> <p>1911</p> <p>Feb. 7 P. -0.02 $+0.7$ E.</p> <p>Mean..... $+0.012$ $+0.65$</p> <p>Mag. corr.... -0.003</p> <p>B. D. $+20^{\circ}$ 761</p> <p>$\alpha = 4^h 22^m$</p> <p>$\delta = +20^{\circ} 27'$</p> <p>1903</p> <p>Dec. 7 Ei.Y. 48.82 18.7 W.</p> <p>1904</p> <p>Feb. 4 Ei.Y. 48.85 18.6 W.</p> <p>1905</p> <p>Jan. 14 Ei.M. 48.80 19.3 E.</p> <p>Dec. 5 Ei.Y. 48.85 18.4 W.</p> <p>Mean..... 48.830 18.75</p> <p>Mag. corr.... -0.005</p> <p>B. D. $+15^{\circ}$ 631</p> <p>$\alpha = 4^h 22^m$</p> <p>$\delta = +15^{\circ} 44'$</p> <p>1904</p> <p>Jan. 27 Ei.Y. 51.72 25.4 W.</p> <p>30 Ei.Y. 51.75 25.1 W.</p> <p>Dec. 16 Ei.M. 51.70 25.3 E.</p> <p>1905</p> <p>Dec. 26 Ei.Y. 51.80 25.1 W.</p> <p>Mean..... 51.742 25.22</p> <p>Mag. corr.... -0.010</p> <p>B. D. $+15^{\circ}$ 632</p> <p>$\alpha = 4^h 22^m$</p> <p>$\delta = +15^{\circ} 38'$</p> <p>1903</p> <p>Oct. 19 Ei.Y. 57.19 56.4 W.</p> <p>1904</p> <p>Feb. 3 Ei.Y. 57.11 56.5 W.</p> <p>1905</p> <p>Jan. 27 Ei.Y. 57.13 57.3 E.</p> <p>Dec. 13 Ei.Y. 57.21 57.6 W.</p> <p>Mean..... 57.160 56.95</p> <p>Mag. corr.... -0.006</p> <p>B. D. $+27^{\circ}$ 661</p> <p>$\alpha = 4^h 23^m$</p> <p>$\delta = +27^{\circ} 11'$</p> <p>1904</p> <p>Jan. 15 Ei.Y. 9.14 1.3 W.</p> <p>25 Ei.Y. 9.18 1.0 W.</p> <p>Oct. 24 Ei.Y. 9.12 0.7 E.</p> <p>1905</p> <p>Dec. 6 Ei.Y. 9.12 1.5 W.</p> <p>Mean..... 9.140 1.12</p> <p>Mag. corr.... $+0.016$</p> <p>B. D. $+15^{\circ}$ 633</p> <p>$\alpha = 4^h 23^m$</p> <p>$\delta = +15^{\circ} 56'$</p> <p>1903</p> <p>Dec. 22 Ei.Y. 16.48 17.5 W.</p> <p>1904</p> <p>Jan. 14 Ei.Y. 16.52 17.1 W.</p> <p>Dec. 21 Ei.M. 16.50 16.8 E.</p>	<p>1906</p> <p>Jan. 5 Ei.Y. 16.51 17.4 W.</p> <p>Mean..... 16.502 17.20</p> <p>Mag. corr.... $+0.016$</p> <p>B. D. $+39^{\circ}$ 1007</p> <p>$\alpha = 4^h 23^m$</p> <p>$\delta = +39^{\circ} 20'$</p> <p>1908</p> <p>Jan. 24 Hl. 34.18 0.9 E.</p> <p>25 Hl. 34.14 2.0 E.</p> <p>Mean..... 34.160 1.45</p> <p>Mag. corr.... $+0.003$</p> <p>B. D. $+27^{\circ}$ 662</p> <p>$\alpha = 4^h 24^m$</p> <p>$\delta = +27^{\circ} 54'$</p> <p>1903</p> <p>Nov. 3 Ei.Y. 6.25 40.5 W.</p> <p>6 Ei.Y. 6.29 40.8 W.</p> <p>1905</p> <p>Jan. 16 Ei.Y. 6.37 40.8 E.</p> <p>Dec. 23 Ei.Y. 6.38 41.6 W.</p> <p>Mean..... 6.322 40.92</p> <p>Mag. corr.... $+0.016$</p> <p>1 Camelopardalis</p> <p>$\alpha = 4^h 24^m$</p> <p>$\delta = +53^{\circ} 41'$</p> <p>1904</p> <p>Sept. 16 T. 36.5 E.</p> <p>22 M. 6.44 36.3</p> <p>23 T. 6.34 37.0</p> <p>26 T. 6.35 36.7 E.</p> <p>1905</p> <p>Dec. 12 Br. 6.41 37.0 W.</p> <p>1906</p> <p>Jan. 24 Bs. 6.48 36.4</p> <p>31 Bs. 6.41 36.4</p> <p>Feb. 9 Br. 6.42 36.8</p> <p>Sept. 20 Hl. 6.37 37.0 W.</p> <p>1907</p> <p>Sept. 30 Hl. 6.44 37.2 E.</p> <p>Mean..... 6.407 36.73</p> <p>Mag. corr.... -0.003</p> <p>B. D. $+23^{\circ}$ 701</p> <p>$\alpha = 4^h 24^m$</p> <p>$\delta = +23^{\circ} 22'$</p> <p>1904</p> <p>Jan. 27 Ei.Y. 21.63 12.5 W.</p> <p>30 Ei.Y. 21.70 12.2 W.</p> <p>Dec. 19 Ei.M. 21.71 11.7 E.</p> <p>1905</p> <p>Dec. 7 Ei.Y. 21.67 12.0 W.</p> <p>Mean..... 21.678 12.10</p> <p>Mag. corr.... $+0.010$</p> <p>80 Tauri</p> <p>$\alpha = 4^h 24^m$</p> <p>$\delta = +15^{\circ} 25'$</p> <p>1903</p> <p>Sept. 4 L. [10.7] W.</p> <p>6 L. [26.48] [11.4]</p> <p>11 L. 26.52 10.8</p> <p>13 L. 26.48 11.0</p> <p>15 L. 26.48 10.4</p> <p>18 L. 26.46 10.7</p> <p>Dec. 11 Ei.Y. 26.44 10.9</p> <p>15 Ei.Y. 26.47 10.4 W.</p>	<p>1905</p> <p>Jan. 14 Ei.M. 26.45 10.6 E.</p> <p>Dec. 5 Ei.Y. 26.44 10.8 W.</p> <p>1907</p> <p>Sept. 13 P. 26.46 10.7 E.</p> <p>24 P. 26.48 10.8</p> <p>25 M. 26.51 11.1</p> <p>Oct. 4 P. 26.51 10.6</p> <p>6 M. 26.51 9.9 E.</p> <p>Mean..... 26.478 10.67</p> <p>Mag. corr.... -0.004</p> <p>B. D. $+15^{\circ}$ 637</p> <p>$\alpha = 4^h 24^m$</p> <p>$\delta = +15^{\circ} 58'$</p> <p>1903</p> <p>Oct. 19 Ei.Y. 50.17 35.5 W.</p> <p>Nov. 9 Ei.Y. 50.23 35.0 W.</p> <p>1904</p> <p>Dec. 16 Ei.M. 50.16 35.5 E.</p> <p>1905</p> <p>Dec. 26 Ei.Y. 50.21 35.2 W.</p> <p>Mean..... 50.192 35.30</p> <p>Mag. corr.... $+0.003$</p> <p>B. D. $+37^{\circ}$ 930</p> <p>$\alpha = 4^h 24^m$</p> <p>$\delta = +37^{\circ} 26'$</p> <p>1908</p> <p>Jan. 15 Hl. 51.38 10.6 E.</p> <p>16 Hl. 51.48 10.5 E.</p> <p>Mean..... 51.430 10.55</p> <p>Mag. corr.... 0.000</p> <p>B. D. $+15^{\circ}$ 639</p> <p>$\alpha = 4^h 24^m$</p> <p>$\delta = +15^{\circ} 28'$</p> <p>1903</p> <p>Dec. 7 Ei.Y. 56.58 29.1 W.</p> <p>1904</p> <p>Feb. 4 Ei.Y. 56.61 29.0 W.</p> <p>Oct. 24 Ei.Y. 56.60 28.7 E.</p> <p>1906</p> <p>Jan. 5 Ei.Y. 56.64 29.1 W.</p> <p>Mean..... 56.608 28.98</p> <p>Mag. corr.... -0.005</p> <p>B. D. $+13^{\circ}$ 690</p> <p>$\alpha = 4^h 24^m$</p> <p>$\delta = +13^{\circ} 30'$</p> <p>1903</p> <p>Oct. 20 Ei.Y. 59.55 25.3 W.</p> <p>22 Ei.Y. 59.60 24.4 W.</p> <p>1905</p> <p>Jan. 18 Ei.M. 59.58 25.4 E.</p> <p>1906</p> <p>Jan. 6 Ei.Y. 59.62 25.8 W.</p> <p>Mean..... 59.588 25.22</p> <p>Mag. corr.... -0.005</p> <p>B. D. $+15^{\circ}$ 640</p> <p>$\alpha = 4^h 25^m$</p> <p>$\delta = +15^{\circ} 55'$</p> <p>1904</p> <p>Jan. 25 Ei.Y. 3.43 54.6 W.</p> <p>Feb. 3 Ei.Y. 3.40 52.8 W.</p> <p>Dec. 21 Ei.M. 3.39 54.8 E.</p> <p>1905</p> <p>Dec. 13 Ei.Y. 3.44 54.6 W.</p> <p>Mean..... 3.415 54.20</p> <p>Mag. corr.... $+0.015$</p>	<p>B. D. $+14^{\circ}$ 711</p> <p>$\alpha = 4^h 25^m$</p> <p>$\delta = +14^{\circ} 53'$</p> <p>1903</p> <p>Dec. 22 Ei.Y. 26.67 22.7 W.</p> <p>1904</p> <p>Jan. 14 Ei.Y. 26.62 22.5 W.</p> <p>1905</p> <p>Jan. 27 Ei.Y. 26.58 22.5 E.</p> <p>Dec. 6 Ei.Y. 26.66 22.8 W.</p> <p>Mean..... 26.632 22.62</p> <p>Mag. corr.... $+0.016$</p> <p>B. D. $+15^{\circ}$ 645</p> <p>$\alpha = 4^h 26^m$</p> <p>$\delta = +15^{\circ} 38'$</p> <p>1903</p> <p>Nov. 3 Ei.Y. 8.91 13.6 W.</p> <p>6 Ei.Y. 9.04 14.0 W.</p> <p>1905</p> <p>Jan. 16 Ei.Y. 9.01 13.6 E.</p> <p>Dec. 7 Ei.Y. 9.02 13.9 W.</p> <p>Mean..... 8.995 13.78</p> <p>Mag. corr.... $+0.023$</p> <p>B. D. $+24^{\circ}$ 663</p> <p>$\alpha = 4^h 26^m$</p> <p>$\delta = +24^{\circ} 58'$</p> <p>1903</p> <p>Oct. 19 Ei.Y. 16.82 ... W.</p> <p>Nov. 9 Ei.Y. 16.74 17.6 W.</p> <p>1905</p> <p>Jan. 14 Ei.M. 16.75 18.4 E.</p> <p>Dec. 5 Ei.Y. 16.73 17.7 W.</p> <p>1908</p> <p>Jan. 30 Ei.M. 16.84 18.7 E.</p> <p>Mean..... 16.776 18.10</p> <p>Mag. corr.... $+0.008$</p> <p>m Persei</p> <p>$\alpha = 4^h 26^m 22^s .636$</p> <p>$\delta = +42^{\circ} 51' 1'' .40$</p> <p>1904</p> <p>Dec. 22 Br. $+0.09$ $+0.6$ E.</p> <p>29 Br. $+0.02$ $+0.7$</p> <p>1905</p> <p>Jan. 15 Br. $+0.04$ $+0.6$ E.</p> <p>1906</p> <p>Jan. 30 Br. 0.00 $+0.9$ W.</p> <p>Feb. 7 Bs. $+0.05$ $+0.3$ W.</p> <p>1907</p> <p>Oct. 1 P. -0.02 $+0.5$ E.</p> <p>2 M. $+0.08$ $+0.3$</p> <p>8 M. $+0.02$ $+0.9$ E.</p> <p>1908</p> <p>Sept. 14 P. $+0.02$ $+0.3$ W.</p> <p>15 Fk. -0.04 $+0.2$</p> <p>17 P. $+0.01$ $+0.5$ W.</p> <p>Mean..... $+0.025$ $+0.53$</p> <p>Mag. corr.... -0.009</p> <p>B. D. $+17^{\circ}$ 750 (mean)</p> <p>$\alpha = 4^h 27^m$</p> <p>$\delta = +17^{\circ} 48'$</p> <p>1903</p> <p>Oct. 20 Ei.Y. 45.55 21.2 W.</p> <p>22 Ei.Y. 45.59 19.9 W.</p> <p>1904</p> <p>Dec. 16 Ei.M. 45.53 20.7 E.</p>
---	--	--	--

1905 Dec. 26 Ei.Y. 45.57 20.4 W.	1904 Jan. 14 Ei.Y. 46.32 3.0 W.	1903 Dec. 11 Ei.Y. +0.05 +0.4 W.	1904 Jan. 30 Ei.Y. 56.29 19.7 W.
Mean..... 45.560 20.55	1905 Jan. 16 Ei.Y. 46.29 2.7 E.	15 Ei.Y. +0.05 +0.1	1905 Jan. 16 Ei.Y. 56.26 18.8 E.
Mag. corr.... +0.021	Dec. 7 Ei.Y. 46.33 2.8 W.	1904 Feb. 3 Ei.Y. +0.02 +0.2	Dec. 7 Ei.Y. 56.23 19.5 W.
B. D. +16° 621	Mean..... 46.322 2.72	4 Ei.Y. +0.07 +0.6 W.	Mean..... 56.268 19.40
$\alpha = 4^h 27^m$	Mag. corr.... +0.014	Dec. 16 Ei.M. +0.05 +0.8 E.	Mag. corr.... +0.007
$\delta = +16^\circ 6'$	B. D. +20° 778	19 Ei.M. +0.10 +0.5	B. D. +25° 720
1903 Dec. 11 Ei.Y. 54.69 45.5 W.	$\alpha = 4^h 28^m$	1905 Jan. 18 Ei.M. +0.12 -0.4	$\alpha = 4^h 31^m$
15 Ei.Y. 54.72 44.6 W.	$\delta = +20^\circ 53'$	28 Ei.M. +0.04 +0.6	$\delta = +25^\circ 31'$
1915 Jan. 18 Ei.M. 54.71 45.0 E.	1903 Oct. 19 Ei.Y. 51.73 43.9 W.	Feb. 2 Y. +0.08 +0.9 E.	1903 Oct. 20 Ei.Y. 17.36 29.9 W.
Dec. 23 Ei.Y. 54.75 45.6 W.	1904 Dec. 19 Ei.M. 51.76 44.0 E.	Sept. 14 Hl. +0.04 +1.5 W.	22 Ei.Y. 17.40 28.7 W.
Mean..... 54.718 45.18	1905 Dec. 5 Ei.Y. 51.74 43.5 W.	Nov. 1 Hl. +0.07 +0.1	1905 Jan. 28 Ei.M. 17.38 30.8 E.
Mag. corr.... +0.017	13 Ei.Y. 51.78 44.3 W.	Dec. 4 Ei.Y. +0.06 -0.2	Dec. 5 Ei.Y. 17.35 29.7 W.
ρ Tauri	Mean..... 51.752 43.92	23 Ei.Y. +0.04 +0.7	Mean..... 17.372 29.78
$\alpha = 4^h 28^m$	Mag. corr.... -0.005	1906 Jan. 6 Ei.Y. +0.05 +1.2	Mag. corr.... +0.005
$\delta = +14^\circ 33'$	B. D. +17° 751	Feb. 2 Br. +0.02 +0.4	ν Eridani
1903 Dec. 7 Ei.Y. 10.39 3.4 W.	$\alpha = 4^h 28^m$	3 Hl. +0.09 +0.4 W.	$\alpha = 4^h 31^m 19^\circ 30'5$
1904 Jan. 27 Ei.Y. 10.38 4.1	$\delta = +17^\circ 32'$	1907 Sept. 13 P. +0.05 +0.5 E.	$\delta = -3^\circ 33' 24''.43$
Feb. 20 R. 10.38 3.9 W.	1903 Oct. 20 Ei.Y. 55.04 24.7 W.	23 Hl. +0.11 +0.4	1904 Dec. 22 Br. +0.02 +0.1 E.
Sept. 21 T. 10.34 5.1 E.	22 Ei.Y. 55.06 23.9 W.	25 M. +0.06 +0.4	29 Br. -0.01 +0.5
Oct. 24 Ei.Y. 10.43 3.5 E.	1905 Jan. 14 Ei.M. 55.10 25.0 E.	Oct. 1 P. +0.01 +0.4	1905 Jan. 15 Br. 0.00 +0.3 E.
1905 Sept. 13 Bs. 10.36 4.3 W.	1906 Jan. 6 Ei.Y. 55.06 24.6 W.	2 M. +0.03 +0.4	Oct. 15 Hl. +0.05 -0.6 W.
Oct. 8 Hl. 10.39 4.4	Mean..... 55.065 24.55	4 P. +0.08 +1.2	1906 Feb. 7 Bs. +0.03 +0.6 W.
29 Hl. 10.41 3.3	Mag. corr.... +0.002	6 M. +0.07 +0.4	1907 Sept. 30 Hl. +0.05 +0.2 E.
Dec. 6 Ei.Y. 10.39 4.0	B. D. +19° 742	1910 Aug. 27 L. [-0.06] [+0.7]	1908 Jan. 27 P. +0.04 +0.8
12 Br. 10.40 4.2	$\alpha = 4^h 29^m$	1911 Feb. 7 P. -0.01 +0.9 E.	29 P. +0.03 0.0 E.
1906 Jan. 31 Bs. 10.40 3.4	$\delta = +19^\circ 40'$	Mean..... +0.055 +0.42	Sept. 14 P. 0.00 +0.3 W.
Feb. 9 Br. 10.40 4.0 W.	1903 Nov. 3 Ei.Y. 50.70 31.7 W.	Mag. corr.... -0.007	1909 Jan. 3 P. +0.06 -0.8
1907 Sept. 24 P. 10.39 3.3 E.	6 Ei.Y. 50.76 31.6 W.	B. D. +23° 715	20 L. +0.04 +0.5
27 P. 10.41 3.9	1905 Jan. 27 Ei.Y. 50.79 31.7 E.	$\alpha = 4^h 30^m$	22 P. +0.03 +0.4
Oct. 9 P. 10.47 3.9	Dec. 26 Ei.Y. 50.83 31.6 W.	$\delta = +23^\circ 8'$	25 M. -0.02 +0.4
10 Hl. 10.44 3.7 E.	Mean..... 50.770 31.65	1903 Dec. 7 Ei.Y. 27.69 13.6 W.	26 L. +0.03 +0.4
Mean..... 10.399 3.90	Mag. corr.... +0.016	1904 Jan. 27 Ei.Y. 27.71 13.8 W.	27 P. +0.09 -0.6
Mag. corr.... +0.002	B. D. +37° 947	Oct. 24 Ei.Y. 27.68 13.4 E.	28 M. +0.02 +0.3
B. D. +28° 666	$\alpha = 4^h 30^m$	1905 Dec. 6 Ei.Y. 27.72 13.4 W.	Feb. 4 M. -0.01 -0.8
$\delta = +28^\circ 45'$	$\delta = +37^\circ 14'$	Mean..... 27.700 13.55	6 L. +0.03 (+2.5)
1904 Jan. 15 Ei.Y. 22.43 7.6 W.	1908 Jan. 15 Hl. 8.39 5.5 E.	Mag. corr.... +0.023	8 P. +0.02 +0.2
25 Ei.Y. 22.45 7.7 W.	16 Hl. 8.40 4.2 E.	B. D. +26° 730	11 M. +0.04 +0.7
Dec. 21 Ei.M. 22.49 8.1 E.	Mean..... 8.395 4.85	$\alpha = 4^h 30^m$	16 P. +0.06 +1.0
1906 Jan. 5 Ei.Y. 22.51 7.8 W.	Mag. corr.... -0.002	$\delta = +26^\circ 55'$	17 L. +0.06 +1.0
Mean..... 22.470 7.80	α Tauri	1904 Jan. 15 Ei.Y. 35.81 53.5 W.	20 L. +0.06 +0.8 W.
Mag. corr.... -0.007	$\alpha = 4^h 30^m 10^\circ 9'19$	25 Ei.Y. 35.88 53.1 W.	Oct. 6 M. +0.02 +0.4 E.
B. D. +38° 915	$\delta = +16^\circ 18' 28''.87$	Dec. 21 Ei.M. 35.87 53.6 E.	7 P. +0.02 +1.1
$\alpha = 4^h 28^m$	1903 Sept. 4 L. [+0.9] W.	1906 Jan. 5 Ei.Y. 35.92 54.1 W.	8 L. +0.03 +0.3
$\delta = +38^\circ 40'$	6 L. +0.05 +1.5	Mean..... 35.870 53.58	11 P. +0.05 +0.3
1908 Jan. 24 Hl. 26.20 58.8 E.	11 L. +0.07 +0.8	B. D. +27° 673	12 L. +0.05 +0.8
25 Hl. 26.28 59.1 E.	13 L. +0.05 -0.1	$\alpha = 4^h 30^m$	19 M. +0.07 +0.8
Mean..... 26.240 58.95	15 L. +0.05 0.0	$\delta = +27^\circ 43'$	26 L. -0.01 -0.2
Mag. corr.... 0.000	18 L. +0.07 +1.2	1904 Jan. 15 Ei.Y. 35.81 53.5 W.	1910 Jan. 16 P. -0.01 +1.0
B. D. +22° 712	21 L. +0.11 -0.3	25 Ei.Y. 35.88 53.1 W.	Feb. 5 L. 0.00 +1.1
$\alpha = 4^h 28^m$	22 R. +0.09 +0.2	Dec. 21 Ei.M. 35.87 53.6 E.	Sept. 24 M. +0.02 0.0
$\delta = +22^\circ 29'$	Oct. 12 Ei.Y. +0.10 -0.1	1906 Jan. 5 Ei.Y. 35.92 54.1 W.	26 P. +0.02 +0.2
1903 Dec. 22 Ei.Y. 46.35 2.4 W.	13 Ei.Y. +0.02 -0.6	Mean..... 35.870 53.58	Oct. 23 M. +0.03 +0.5
	Nov. 9 Ei.Y. +0.07 -0.2 W.	B. D. +27° 673	24 P. +0.05 0.0
		$\alpha = 4^h 30^m$	Nov. 16 M. +0.04 +1.0
		$\delta = +27^\circ 43'$	Dec. 3 L. +0.07 +0.4
		1903 Oct. 19 Ei.Y. 56.29 19.6 W.	12 P. +0.02 -0.1
			1911 Jan. 10 P. +0.04 +0.4
			Feb. 23 M. +0.03 +1.1 E.
			Mean..... +0.031 +0.37
			Mag. corr.... +0.006

B. D. +18° 661				B. D. +15° 665				1910				1904			
$\alpha = 4^h 31^m$				$\alpha = 4^h 33^m$				s				s			
$\delta = +18^\circ 20'$				$\delta = +15^\circ 36'$				Dec. 3 L.				May 13 M.			
1903				1903				12 P.				1907			
Dec. 22	Ei.Y.	26.00	24.4 W.	Oct. 19	Ei.Y.	26.60	11.0 W.	+0.14 +0.8 E.				Apr. 24	M.	+0.12	+1.1 E.
1904				Nov. 9	Ei.Y.	26.53	10.7 W.	+0.09 +0.6				June 22	P.	+0.43	+1.2
Jan. 14	Ei.Y.	26.06	24.2 W.	1904				1911				July 8	Hi.	+0.06	+0.6
1905				Dec. 21	Ei.M.	26.64	11.1 E.	Jan. 10 P.				1908			
Jan. 14	Ei.M.	25.96	23.6 E.	1906				19 M.				Mar. 13	P.	+0.07	+0.7
Dec. 13	Ei.Y.	25.99	24.1 W.	Jan. 5	Ei.Y.	26.60	11.2 W.	23 M.				24 P.		+0.11	+0.4 E.
Mean.....		26.002	24.08	Mean.....		26.592	11.00	30 M.				Mean.....		+0.078	+0.44
Mag. corr....		+0.016		Mag. corr....		-0.001		Feb. 7 P.				Mag. corr....		-0.006	
v ⁷ Eridani				B. D. +15° 666				+0.10 +1.1 E.				B. D. +38° 926			
$\alpha = 4^h 31^m$				$\alpha = 4^h 33^m$				Mean.....				$\alpha = 4^h 35^m$			
$\delta = -30^\circ 45'$				$\delta = +15^\circ 43'$				Mag. corr....				$\delta = +38^\circ 11'$			
1904				1903				B. D. +17° 762				1908			
Sept. 22	M.	39.80	61.1 E.	Oct. 20	Ei.Y.	33.30	12.0 W.	$\alpha = 4^h 34^m$				Jan. 15	Hi.	50.37	52.0 E.
23 T.		39.82	61.6	Nov. 3	Ei.Y.	33.22	11.8 W.	$\delta = +17^\circ 17'$				16 Hi.		50.41	50.5 E.
26 T.		39.72	60.8	1905				1904				Mean.....		50.390	51.25
Oct. 3	Br.	39.82	60.6 E.	Jan. 16	Ei.Y.	33.28	12.0 E.	Jan. 27 Ei.Y.				Mag. corr....		+0.002	
1905				Dec. 7	Ei.Y.	33.28	12.2 W.	30 Ei.Y.				258 G. Eridani			
Dec. 12	Br.	39.80	61.6 W.	Mean.....		33.270	12.00	1905				$\alpha = 4^h 35^m$			
1906				Mag. corr....		+0.003		Jan. 28 Ei.M.				$\delta = -24^\circ 40'$			
Jan. 31	Bs.	39.75	60.3 W.	53 Eridani				1906				1904			
1907				$\alpha = 4^h 33^m$				Jan. 6 Ei.Y.				Sept. 22	M.	57.21	40.0 E.

1903	s	"	1906	s	"	1906	s	"	1904	s	"
Sept. 15 L.	+0.05	+0.1 W.	Jan. 5 Ei.Y.	10.46	58.1 W.	Sept. 20 Hl.	+0.03	+0.2 W.	Oct. 4 M.	0.00	-0.4
18 L.	0.00	+0.6				24 P.	+0.04	+0.5	18 M.	-0.03	+0.3
21 L.	+0.04	-0.2	Mean.....	10.438	58.40	Oct. 6 Hl.	-0.07	0.0	1905		
22 R.	0.00	+0.4	Mag. corr....	+0.021		11 Hl.	-0.05	-0.1 W.	Feb. 15 M.	+0.03	+0.2 E.
Dec. 15 Ei.Y.	-0.02	+0.3				1907			Sept. 14 Hl.	-0.03	+1.0 W.
1904			B. D. +20° 808			Oct. 1 P.	+0.04	-0.5 E.	26 Bs.	-0.06	+0.9
Jan. 25 Ei.Y.	+0.05	+0.6	$\alpha = 4^h 37^m$			2 M.	0.00	0.0	27 Hl.	0.00	-1.2
Feb. 4 Ei.Y.	+0.02	+0.1 W.	$\delta = +20^\circ 26'$			4 P.	+0.07	0.0 E.	Oct. 8 Hl.	-0.01	+0.6
Dec. 16 Ei.M.	+0.02	+1.0 E.	1903	s	"	Mean.....	+0.011	+0.03	29 Hl.	+0.05	-0.4
19 Ei.M.	+0.01	+0.4	Dec. 3 Ei.Y.	11.57	22.1 W.	Mag. corr....	-0.002		Nov. 1 Hl.	+0.05	+0.2
21 Ei.M.	+0.01	+0.6	7 Ei.Y.	....	22.4 W.				Dec. 5 Ei.Y.	-0.03	+0.7
1905			1905			B. D. +25° 731			13 Ei.Y.	0.00	+0.8
Jan. 18 Ei.M.	-0.02	0.0	Jan. 16 Ei.Y.	11.60	22.3 E.	$\alpha = 4^h 40^m$			1906		
28 Ei.M.	-0.06	+1.0 E.	Dec. 7 Ei.Y.	11.62	21.5 W.	$\delta = +25^\circ 51'$			Jan. 10 Ei.Y.	-0.05	+0.1
Dec. 5 Ei.Y.	-0.05	+0.1 W.	1908			1903	s	"	30 Br.	-0.02	-0.2 W.
7 Ei.Y.	-0.03	+0.6	Jan. 30 Ei.M.	11.60	22.4 E.	Oct. 19 Ei.Y.	3.33	11.8 W.	1907		
23 Ei.Y.	0.00	+0.5	Mean.....	11.598	22.14	Dec. 22 Ei.Y.	3.35	12.0 W.	Sept. 24 P.	+0.02	+0.4 E.
1906			Mag. corr....	-0.007		1905			25 M.	0.00	+0.7
Feb. 2 Br.	0.00	... W.				Jan. 18 Ei.M.	3.35	11.7 E.	Oct. 6 M.	+0.04	-0.6
1907			B. D. +17° 774			Dec. 23 Ei.Y.	3.32	12.2 W.	8 M.	0.00	+0.4
Sept. 25 M.	-0.07	+2.0 E.	$\alpha = 4^h 37^m$			Mean.....	3.338	11.92	9 P.	0.00	+0.1
30 Hl.	-0.02	+0.6	$\delta = +17^\circ 7'$			Mag. corr....	+0.006		14 Hl.	+0.06	-0.3
Oct. 8 M.	+0.02	+1.4	1904	s	"	B. D. +27° 694			25 Hl.	0.00	+0.2
1908			Jan. 15 Ei.Y.	12.21	16.2 W.	$\alpha = 4^h 40^m$			1908		
Jan. 12 P.	+0.01	+1.0	25 Ei.Y.	12.17	15.4 W.	$\delta = +27^\circ 43'$			Jan. 12 P.	+0.03	-0.5
22 P.	-0.01	+1.1 E.	1905			1903	s	"	14 P.	-0.05	0.0
1909			Jan. 28 Ei.M.	12.23	16.5 E.	Oct. 20 Ei.Y.	19.00	6.1 W.	15 Hl.	+0.06	+0.2
Feb. 4 M.	0.00	0.0 W.	1906			27 Ei.Y.	19.04	5.6 W.	16 Hl.	-0.02	+0.4
6 L.	+0.01	+2.1	Jan. 6 Ei.Y.	12.17	16.2 W.	1904			22 P.	+0.01	+0.9
8 P.	-0.05	+1.1	Mean.....	12.195	16.08	Oct. 24 Ei.Y.	19.06	6.1 E.	24 Hl.	+0.02	...
11 M.	+0.04	+0.8	Mag. corr....	-0.002		1905			25 Hl.	-0.04	... E.
13 L.	+0.01	+0.4				Dec. 6 Ei.Y.	19.05	6.6 W.	Sept. 22 Fk.	+0.02	+0.5 W.
16 P.	0.00	+0.8	B. D. +27° 688			Mean.....	19.038	6.10	23 M.	+0.01	+0.5
17 L.	0.00	+1.4	$\alpha = 4^h 37^m$			Mag. corr....	-0.005		28 P.	-0.06	+1.4
18 M.	+0.01	+0.9 W.	$\delta = +27^\circ 30'$						Oct. 6 L.	+0.01	+0.2
Sept. 5 M.	....	[+0.5] E.	1903	s	"	B. D. +18° 719			Nov. 8 M.	+0.02	-0.3
Oct. 2 P.	-0.01	+0.5	Dec. 22 Ei.Y.	22.04	19.2 W.	$\alpha = 4^h 40^m$			1909		
6 M.	+0.06	+0.3	1904			$\delta = +18^\circ 33'$			Feb. 6 L.	+0.01	...
7 P.	-0.03	+0.8	Jan. 14 Ei.Y.	22.05	19.0 W.	1903	s	"	17 L.	+0.04	... W.
8 L.	+0.01	+0.6	1905			Dec. 15 Ei.Y.	26.42	14.1 W.	Mean.....	+0.008	+0.30
12 L.	+0.02	+1.2	Jan. 14 Ei.M.	22.05	18.2 E.	1904			Mag. corr....	+0.004	
Nov. 26 L.	-0.03	+1.0	Dec. 13 Ei.Y.	22.04	18.6 W.	Jan. 14 Ei.Y.	26.41	14.2 W.	B. D. +19° 777		
27 P.	+0.01	+0.4	Mean.....	22.045	18.75	Dec. 21 Ei.M.	26.43	14.3 E.	$\alpha = 4^h 40^m$		
1910			Mag. corr....	0.000		1906			$\delta = +19^\circ 18'$		
Feb. 18 P.	+0.02	+0.6				Jan. 5 Ei.Y.	26.41	14.5 W.	1903	s	"
Mar. 16 M.	....	[+0.2]	B. D. +23° 739			Mean.....	26.418	14.28	Dec. 3 Ei.Y.	44.09	44.9 W.
Aug. 27 L.	[-0.06]	[+0.5]	$\alpha = 4^h 39^m$			Mag. corr....	+0.022		7 Ei.Y.	44.14	44.5 W.
Sept. 24 M.	-0.07	+0.1	$\delta = +23^\circ 26'$						1905		
25 M.	-0.03	0.0	1903	s	"	μ Eridani			Jan. 16 Ei.Y.	44.07	44.8 E.
1911			Nov. 3 Ei.Y.	40.14	39.3 W.	$\alpha = 4^h 40^m 30^s.125$			Dec. 7 Ei.Y.	44.14	44.5 W.
Feb. 7 P.	-0.05	+1.3 E.	6 Ei.Y.	40.15	39.0 W.	$\delta = -3^\circ 26' 16''.27$			Mean.....	44.110	44.68
Mean.....	-0.003	+0.69	Jan. 27 Ei.Y.	40.16	39.2 E.	1903	s	"	Mag. corr....	0.000	
Mag. corr....	+0.005		Dec. 26 Ei.Y.	40.19	39.2 W.	Sept. 4 L.	....	[+0.8] W.	B. D. +20° 821		
B. D. +18° 684			Mean.....	40.160	39.18	6 L.	[-0.04]	[+1.2]	$\alpha = 4^h 41^m$		
$\alpha = 4^h 37^m$			Mag. corr....	+0.021		11 L.	[+0.05]	[+0.5]	$\delta = +20^\circ 15'$		
$\delta = +18^\circ 31'$						12 R.	-0.03	+0.3	1903	s	"
1903	s	"	4 Camelopardalis			13 L.	-0.01	+1.0	Oct. 27 Ei.Y.	15.26	44.0 W.
Oct. 19 Ei.Y.	1.40	56.5 W.	$\alpha = 4^h 39^m 40^s.321$			15 L.	+0.06	-0.3	Dec. 22 Ei.Y.	15.33	44.5 W.
1904			$\delta = +56^\circ 34' 45''.88$			18 L.	+0.02	+0.9	1905		
Jan. 27 Ei.Y.	1.38	56.8 W.	1904	s	"	21 L.	+0.10	-0.4	Jan. 28 Ei.M.	15.33	45.0 E.
Oct. 24 Ei.Y.	1.38	56.6 E.	Dec. 22 Br.	+0.08	-0.6 E.	22 R.	0.00	+0.3	1906		
1905			1905			25 L.	+0.05	+0.3	Jan. 6 Ei.Y.	15.34	45.3 W.
Dec. 6 Ei.Y.	1.37	56.6 W.	Jan. 15 Br.	+0.09	+0.3 E.	1904			Mean.....	15.315	44.70
Mean.....	1.382	56.62	Oct. 4 Hl.	+0.04	+0.2 W.	Feb. 20 R.	+0.01	+0.7 W.	Mag. corr....	-0.015	
Mag. corr....	+0.010		5 Br.	+0.02	+0.5	Sept. 21 T.	+0.02	+2.1 E.	B. D. +28° 695		
B. D. +23° 733			11 Bs.	-0.07	-0.2	22 M.	-0.03	+0.3	$\alpha = 4^h 42^m$		
$\alpha = 4^h 37^m$			1906			23 T.	+0.10	-0.3	$\delta = +29^\circ 3'$		
$\delta = +23^\circ 53'$			Jan. 31 Bs.	-0.03	-0.3	26 T.	+0.02	-0.1	1903	s	"
1903	s	"	Feb. 9 Br.	-0.04	+0.4 W.	Oct. 1 M.	-0.02	+0.2	Nov. 9 Ei.Y.	0.85	31.0 W.
Oct. 20 Ei.Y.	10.46	58.2 W.				3 Br.	0.00	+1.2 E.	Dec. 3 Ei.Y.	0.90	31.5 W.
1904											
Jan. 30 Ei.Y.	10.44	58.7 W.									
Dec. 21 Ei.M.	10.39	58.6 E.									

1905			1904			1906			π^4 Orionis		
Jan. 14	Ei.M.	0.93 31.2 E.	Jan. 14	Ei.Y.	0.74 47.6 W.	Sept. 24	P.	+0.06 +1.2 W.	$\alpha = 4^h 45^m$		
Dec. 13	Ei.Y.	0.87 31.7 W.	1905			Oct. 6	Hl.	+0.02 +0.1	$\delta = +5^\circ 26'$		
Mean.....		0.888 31.35	Jan. 16	Ei.Y.	0.84 47.6 E.	11	Hl.	0.00 +0.3 W.			
Mag. corr....		+0.012	Dec. 7	Ei.Y.	0.82 47.5 W.	1907					
B. D. +24° 689			Mean.....		0.790 47.65	Sept. 25	M.	+0.09 +0.5 E.	1904		
$\alpha = 4^h 42^m$			Mag. corr....		+0.020	Oct. 9	P.	+0.05 +0.7	Sept. 23	T.	52.82 ... E.
$\delta = +24^\circ 33'$			9 Camelopardalis			13	M.	0.00 0.0	26	T.	52.74 3.0
1903			$\alpha = 4^h 44^m 6^s.414$			14	Hl.	+0.06 +0.3	Oct. 3	Br.	52.81 4.3
Oct. 19	Ei.Y.	30.02 58.8 W.	$\delta = +66^\circ 10' 22''.60$			15	P.	+0.04 +0.3	18	M.	52.74 3.6 E.
Dec. 7	Ei.Y.	29.97 58.6 W.	1903			1908			1905		
1905			Sept. 6	L.	[-0.14] ... W.	Jan. 12	P.	+0.07 -0.2	Sept. 21	Hl.	52.77 4.3 W.
Jan. 27	Ei.Y.	30.04 58.4 E.	11	L.	[-0.12] [+0.6]	14	P.	-0.02 +1.0	Oct. 5	Br.	52.78 4.1
Dec. 26	Ei.Y.	30.05 58.4 W.	13	L.	-0.04 +1.6	30	Ei.M.	+0.05 +0.5 E.	11	Bs.	52.71 3.5 W.
Mean.....		30.020 58.55	15	L.	0.00 0.0	1909			1907		
Mag. corr....		0.000	18	L.	-0.08 +0.9	Feb. 13	L.	+0.05 +0.1 W.	Sept. 30	Hl.	52.71 4.5 E.
B. D. +37° 988			21	L.	-0.02 0.0	16	P.	+0.05 +0.9	Oct. 8	M.	52.81 4.0 E.
$\alpha = 4^h 42^m$			22	R.	-0.14 +0.1	18	M.	+0.06 +0.8	1908		
$\delta = +37^\circ 9'$			24	R.	-0.12 0.0	20	L.	+0.04 +0.8	Oct. 18	M.	52.84 3.6 W.
1908			25	L.	-0.02 +0.8 W.	25	M.	+0.05 +0.9 W.	Nov. 8	M.	52.76 4.2
Jan. 24	Hl.	46.32 32.5 E.	1907			Oct. 2	P.	+0.03 +0.6 E.	1909		
25	Hl.	46.22 32.7 E.	Oct. 1	P.	-0.07 0.0 E.	4	P.	+0.06 +0.9	Jan. 3	P.	52.81 2.9 W.
Mean.....		46.270 32.60	2	M.	-0.15 0.0	11	P.	+0.08 +0.6	Mean.....		52.775 3.82
Mag. corr....		0.000	4	P.	-0.01 -0.2	Oct. 23	M.	+0.03 +0.3	Mag. corr....		-0.006
B. D. +21° 707			6	M.	-0.08 0.0	Nov. 16	M.	+0.07 +0.4	B. D. +27° 701		
$\alpha = 4^h 42^m$			10	Hl.	-0.10 +0.4 E.	Dec. 3	L.	+0.06 +0.1	$\alpha = 4^h 46^m$		
$\delta = +21^\circ 8'$			Mean.....		-0.069 +0.30	1911			$\delta = +27^\circ 43'$		
1903			Mag. corr....		+0.003	Jan. 10	P.	+0.07 -0.1	1903		
Oct. 20	Ei.Y.	47.35 20.0 W.	9 Camelopardalis s. p.			Feb. 23	M.	+0.05 +0.5 E.	Oct. 20	Ei.Y.	32.24 48.5 W.
Dec. 15	Ei.Y.	47.38 20.4 W.	$\alpha = 4^h 44^m 6^s.420$			Mean.....		+0.043 +0.42	27	Ei.Y.	32.18 48.9 W.
1905			$\delta = +66^\circ 10' 22''.61$			Mag. corr....		-0.001	1905		
Jan. 18	Ei.M.	47.42 20.1 E.	1905			B. D. +16° 657			Jan. 27	Ei.Y.	32.28 48.7 E.
Dec. 23	Ei.Y.	47.39 21.1 W.	Apr. 9	Y.	-0.08 0.0 E.	$\alpha = 4^h 44^m$			Dec. 26	Ei.Y.	32.33 48.2 W.
Mean.....		47.385 20.40	20	Br.	-0.01 +0.6	$\delta = +17^\circ 1'$			Mean.....		32.258 48.58
Mag. corr....		+0.013	24	Br.	0.00 +0.7 E.	1903			Mag. corr....		-0.009
B. D. +18° 734			1906			Oct. 27	Ei.Y.	36.79 49.0 W.	B. D. +26° 759		
$\alpha = 4^h 42^m$			Mar. 17	Bs.	+0.11 0.0 W.	Nov. 6	Ei.Y.	36.84 49.5 W.	$\alpha = 4^h 46^m$		
$\delta = +18^\circ 32'$			22	Br.	-0.04 +1.7 W.	1905			$\delta = +26^\circ 36'$		
1903			1907			Jan. 28	Ei.M.	36.87 50.2 E.	1903		
Nov. 3	Ei.Y.	50.83 33.4 W.	July 8	Hl.	+0.04 +0.4 E.	1906			Nov. 6	Ei.Y.	46.76 40.3 W.
6	Ei.Y.	50.81 33.2 W.	31	P.	+0.05 +0.9	Jan. 6	Ei.Y.	36.85 50.6 W.	1904		
1904			1908			Mean.....		36.838 49.82	Jan. 14	Ei.Y.	46.76 41.0 W.
Oct. 24	Ei.Y.	50.82 32.7 E.	Mar. 24	P.	+0.04 +0.1 E.	Mag. corr....		+0.009	1905		
1905			May 1	Fk.	+0.02 -0.1 W.	π Tauri			Jan. 18	Ei.M.	46.83 40.3 E.
Dec. 6	Ei.Y.	50.87 32.8 W.	10	M.	+0.06 -0.4	$\alpha = 4^h 45^m 31^s.431$			Dec. 23	Ei.Y.	46.84 40.9 W.
Mean.....		50.832 33.02	June 29	M.	-0.11 0.0 W.	$\delta = +18^\circ 40' 10''.87$			Mean.....		46.798 40.62
Mag. corr....		+0.014	Mean.....		+0.007 +0.35	1903			Mag. corr....		+0.002
B. D. +23° 747			Mag. corr....		+0.006	Nov. 9	Ei.Y.	-0.04 +0.2 W.	σ^1 Orionis		
$\alpha = 4^h 43^m$			π^3 Orionis			Dec. 11	Ei.Y.	-0.03 +0.2 W.	$\alpha = 4^h 46^m$		
$\delta = +23^\circ 13'$			$\alpha = 4^h 44^m 24^s.884$			1904			$\delta = +14^\circ 5'$		
1904			$\delta = +6^\circ 47' 12''.80$			Dec. 22	Br.	+0.04 -0.1 E.	1904		
Jan. 15	Ei.Y.	45.73 20.3 W.	1903			1905			Oct. 4	M.	52.55 2.8 E.
25	Ei.Y.	45.78 19.8 W.	Oct. 19	Ei.Y.	+0.03 +0.1 W.	Jan. 14	Ei.M.	+0.02 +0.2	1905		
Dec. 21	Ei.M.	45.72 20.1 E.	Nov. 23	Ei.Y.	+0.09 ...	15	Br.	0.00 +0.6	Sept. 29	Hl.	52.51 3.2 W.
1906			Dec. 3	Ei.Y.	+0.05 +0.5	Feb. 14	Br.	+0.02 +0.5 E.	Oct. 8	Hl.	52.47 ...
Jan. 5	Ei.Y.	45.72 20.2 W.	7	Ei.Y.	+0.05 +0.4	Dec. 13	Ei.Y.	+0.03 +0.3 W.	29	Hl.	52.45 2.4 W.
Mean.....		45.738 20.10	1904			1906			1907		
Mag. corr....		-0.007	Feb. 20	R.	+0.04 +0.6 W.	Jan. 31	Bs.	+0.01 +0.3 W.	Oct. 9	P.	52.51 3.3 E.
B. D. +15° 687			Oct. 1	M.	+0.03 +0.5 E.	1907			15	P.	52.50 3.1
$\alpha = 4^h 44^m$			1905			Sept. 17	P.	+0.03 +0.3 W.	21	Hl.	52.50 2.5
$\delta = +15^\circ 43'$			Jan. 27	Ei.Y.	+0.06 0.0	22	Fk.	+0.02 +0.2	25	Hl.	52.56 2.6 E.
1903			30	Ei.Y.	+0.08 +0.4	23	M.	+0.07 +0.6	1908		
Dec. 22	Ei.Y.	0.76 47.9 W.	Feb. 15	M.	0.00 +0.2 E.	28	P.	+0.04 +1.6 W.	Oct. 11	M.	52.48 2.4 W.
			Dec. 6	Ei.Y.	+0.04 +0.4 W.	1909			13	M.	52.49 2.5
			1906			Sept. 5	M.	..., [+0.6] E.	15	M.	52.50 2.0 W.
			Jan. 10	Ei.Y.	+0.01 -0.1	Nov. 27	P.	+0.01 +0.8	Mean.....		52.502 2.68
			Feb. 2	Br.	+0.06 +0.5	1910			Mag. corr....		0.000
			7	Bs.	0.00 +0.1	Mar. 16	M.	..., [-0.4] E.			
			9	Br.	+0.05 +0.3	Mean.....		+0.017 +0.43			
			Sept. 19	P.	+0.01 +0.4	Mag. corr....		0.000			
			20	Hl.	-0.01 +0.4 W.						

B. D. +39° 1096			1904			1907			B. D. +16° 672		
$\alpha = 4^h 47^m$ $\delta = +39^\circ 50'$			Feb. 20 R. -0.03 +0.6 W.			Sept. 24 P. 23.48 30.9 E.			$\alpha = 4^h 51^m$ $\delta = +16^\circ 59'$		
1908			1905			27 P. 23.46 30.5			1903		
Jan. 15 Hl. 2.06 23.8 E.			Jan. 30 Ei.Y. +0.03 -0.2 E.			Oct. 4 P. 23.49 30.0			Nov. 9 Ei.Y. 35.69 48.9 W.		
16 Hl. 2.09 22.9 E.			Feb. 7 Ei.Y. +0.01 0.0			6 M. 23.50 29.9			Dec. 3 Ei.Y. 35.74 49.4 W.		
Mean..... 2.075 23.35			15 M. +0.08 0.0 E.			13 M. 23.45 29.7 E.			1904		
Mag. corr.... +0.002			Sept. 27 Hl. +0.11 +0.3 W.			1908			Oct. 24 Ei.Y. 35.75 48.9 E.		
B. D. +25° 746			Oct. 16 Br. +0.01 ...			Nov. 8 M. 23.46 30.4 W.			1906		
$\alpha = 4^h 47^m$ $\delta = +25^\circ 12'$			Nov. 1 Hl. +0.04 +0.4			1909			Jan. 10 Ei.Y. 35.75 48.8 W.		
1903			Dec. 6 Ei.Y. 0.00 +1.3			Jan. 20 L. 23.50 30.6 W.			Mean..... 35.732 49.00		
Dec. 11 Ei.Y. 28.75 1.9 W.			1906			Mean..... 23.464 30.43			Mag. corr.... -0.007		
15 Ei.Y. 28.74 2.2 W.			Jan. 18 Ei.Y. -0.02 +0.8			B. D. +22° 776			B. D. +23° 777		
1904			31 Bs. 0.00 +0.4			$\alpha = 4^h 50^m$ $\delta = +22^\circ 25'$			$\alpha = 4^h 51^m$ $\delta = +23^\circ 47'$		
Oct. 24 Ei.Y. 28.71 2.7 E.			Feb. 2 Br. 0.00 -0.3			1904			1903		
1906			13 Br. 0.00 -0.2 W.			Jan. 15 Ei.Y. 6.00 3.9 W.			Dec. 22 Ei.Y. 44.60 33.1 W.		
Jan. 10 Ei.Y. 28.75 2.5 W.			1907			25 Ei.Y. 6.10 4.4 W.			1904		
Mean..... 28.738 2.32			Oct. 1 P. -0.05 +0.2 E.			1905			Jan. 14 Ei.Y. 44.57 34.0 W.		
Mag. corr.... +0.009			2 M. -0.04 -0.1			Jan. 27 Ei.Y. 6.09 3.2 E.			Dec. 21 Ei.M. 44.56 33.8 E.		
B. D. +23° 757			10 Hl. -0.02 0.0			Dec. 26 Ei.Y. 6.06 4.2 W.			1906		
$\alpha = 4^h 47^m$ $\delta = +23^\circ 8'$			1908			Mean..... 6.062 3.92			Jan. 5 Ei.Y. 44.58 33.5 W.		
1903			Jan. 29 P. +0.03 +0.7			Mag. corr.... +0.007			Mean..... 44.578 33.60		
Nov. 9 Ei.Y. 32.07 57.9 W.			30 M. 0.00 +0.9 E.			B. D. +24° 709			ζ Tauri		
Dec. 22 Ei.Y. 32.01 58.3 W.			Oct. 6 L. +0.02 -0.3 W.			$\alpha = 4^h 50^m$ $\delta = +24^\circ 25'$			$\alpha = 4^h 52^m$ $\delta = +24^\circ 53'$		
1904			7 M. -0.01 -0.1			1903			1903		
Dec. 21 Ei.M. 32.06 59.1 E.			1909			Nov. 3 Ei.Y. 10.03 57.6 W.			Dec. 11 Ei.Y. 2.15 46.0 W.		
1906			Feb. 16 P. +0.04 +1.1 W.			6 Ei.Y. 10.04 58.0 W.			15 Ei.Y. 2.08 46.4 W.		
Jan. 5 Ei.Y. 32.01 58.5 W.			Oct. 1 L. -0.02 +0.2 E.			1905			1904		
Mean..... 32.038 58.45			2 P. 0.00 +0.4			Jan. 18 Ei.M. 10.03 57.6 E.			Sept. 23 T. 2.24 45.6 E.		
Mag. corr.... +0.016			4 P. +0.08 +1.2			Dec. 23 Ei.Y. 10.03 57.9 W.			Oct. 3 Br. 2.20 46.0		
B. D. +39° 1105			5 L. 0.00 -0.5			Mean..... 10.032 57.78			18 M. 2.19 45.7		
$\alpha = 4^h 48^m$ $\delta = +39^\circ 44'$			6 M. 0.00 +0.1			Mag. corr.... +0.020			1905		
1908			7 P. +0.05 +0.1			Aurigæ			Jan. 16 Ei.Y. 2.22 45.8 E.		
Jan. 24 Hl. 13.55 31.0 E.			8 L. -0.01 +0.5			$\alpha = 4^h 50^m 28^s .812$ $\delta = +33^\circ 0' 28'' .10$			Oct. 8 Hl. 2.11 ... W.		
25 Hl. 13.46 31.9 E.			11 P. +0.04 +1.0			1904			15 Hl. 2.14 46.8		
Mean..... 13.505 31.45			12 L. +0.06 +0.4			Dec. 22 Br. +0.08 -0.1 E.			29 Hl. 2.15 46.0		
Mag. corr.... +0.002			1910			1905			Dec. 7 Ei.Y. 2.07 46.3 W.		
B. D. +20° 840			Nov. 16 M. -0.05 0.0			Jan. 15 Br. +0.07 +0.3			1907		
$\alpha = 4^h 48^m$ $\delta = +20^\circ 56'$			17 P. +0.02 +1.0			Feb. 14 Br. 0.00 +0.7 E.			Oct. 21 Hl. 2.14 45.6 E.		
1903			Dec. 3 L. -0.03 +0.3 E.			1906			25 Hl. 2.12 46.0 E.		
Dec. 3 Ei.Y. 48.06 14.3 W.			Mean..... +0.013 +0.30			Feb. 7 Bs. 0.00 +0.8 W.			1908		
7 Ei.Y. 48.00 13.9 W.			Mag. corr.... -0.005			Mag. corr.... +0.020			Oct. 15 M. 2.21 45.8 W.		
1905			B. D. +19° 811			Aurigæ			16 P. 2.17 46.2		
Jan. 16 Ei.Y. 48.04 13.7 E.			$\alpha = 4^h 49^m$ $\delta = +19^\circ 19'$			$\alpha = 4^h 50^m 28^s .812$ $\delta = +33^\circ 0' 28'' .10$			18 M. 2.13 45.9 W.		
Dec. 7 Ei.Y. 48.01 13.4 W.			1903			1904			Mean..... 2.155 46.01		
Mean..... 48.028 13.82			Oct. 27 Ei.Y. 5.52 24.4 W.			Dec. 22 Br. +0.08 -0.1 E.			Mag. corr.... -0.003		
Mag. corr.... -0.007			Nov. 9 Ei.Y. 5.59 24.2 W.			1905			57 H ¹ . Camelopardalis		
π^5 Orionis			Jan. 28 Ei.M. 5.61 25.2 E.			Jan. 15 Br. +0.07 +0.3			$\alpha = 4^h 52^m$ $\delta = +73^\circ 55'$		
$\alpha = 4^h 49^m 2^s .528$ $\delta = +2^\circ 16' 37'' .56$			1906			Feb. 14 Br. 0.00 +0.7 E.			1907		
1903			Jan. 6 Ei.Y. 5.58 25.1 W.			1906			Sept. 25 M. 3.22 9.4 E.		
Sept. 4 L. [+0.1] W.			Mean..... 5.575 24.72			Feb. 7 Bs. 0.00 +0.8 W.			Oct. 9 P. 3.31 9.8		
6 L. [-0.01] [+0.9]			Mag. corr.... +0.021			1907			15 P. 3.28 10.9		
11 L. [+0.04] [0.0]			B. D. +20° 846			Sept. 30 Hl. +0.01 +0.3 E.			1908		
12 R. -0.05 +0.8			$\alpha = 4^h 49^m$ $\delta = +20^\circ 9'$			Oct. 8 M. +0.10 +0.1 E.			Jan. 12 P. 3.20 10.3		
15 L. +0.05 -0.2			1903			1908			14 P. ... 9.8		
18 L. +0.01 +0.1			Oct. 20 Ei.Y. 16.85 7.9 W.			Sept. 17 P. -0.01 +0.5 W.			22 P. 3.26 10.1 E.		
21 L. +0.05 +0.1			Dec. 15 Ei.Y. 16.96 7.7 W.			22 Fk. -0.02 +0.9			Oct. 7 M. 3.18 10.1 W.		
25 L. +0.06 -0.2			1905			23 M. +0.06 0.0			11 M. 3.07 9.6		
Oct. 19 Ei.Y. 0.00 +0.3			Jan. 14 Ei.M. 16.84 7.9 E.			28 P. -0.05 +0.5 W.			12 P. 2.87 9.9		
Nov. 23 Ei.Y. +0.05 ... W.			Dec. 13 Ei.Y. 16.92 8.2 W.			Mean..... +0.024 +0.40			13 M. 3.13 10.0		
			Mean..... 16.892 7.92			Mag. corr.... +0.002			14 P. 2.88 9.8 W.		
			Mag. corr.... -0.006			B. D. +39° 1122			Mean..... 3.140 9.97		
			π^1 Orionis			$\alpha = 4^h 51^m$ $\delta = +39^\circ 54'$			Mag. corr.... -0.005		
			$\alpha = 4^h 49^m$ $\delta = +9^\circ 59'$			1908					
			1905			Jan. 15 Hl. 17.65 11.6 E.					
			Sept. 21 Hl. 23.44 31.2 W.			16 Hl. 17.67 10.8 E.					
			Oct. 4 Hl. 23.46 30.7			Mean..... 17.660 11.20					
			5 Br. 23.44 30.9			Mag. corr.... -0.003					
			11 Bs. 23.42 29.9 W.								

57 H ¹ . Camelopardalis s. p.			B. D. +15° 713			1906			157 H ¹ . Cephei s. p.		
$\alpha = 4^h 52^m$ $\delta = +73^\circ 55'$			$\alpha = 4^h 53^m$ $\delta = +15^\circ 45'$			$\alpha = 4^h 55^m$ $\delta = +22^\circ 57'$			$\alpha = 4^h 56^m$ $\delta = +85^\circ 49'$		
1905	s		1903	s		1904	s		1905	s	
Apr. 24 Br.	3.10	9.7 E.	Nov. 3 Ei.Y.	60.01	58.1 W.	Jan. 10 Ei.Y.	50.37	10.3 W.	Apr. 23 Y.	17.98	45.6 E.
1906			6 Ei.Y.	59.95	58.6 W.	Mean.....	50.342	11.02	24 Br.	17.69	46.0 E.
Apr. 15 Bs.	3.06	9.4 W.	1905			B. D. +22° 800			1906		
May 3 Br.	3.20	10.2 W.	Jan. 18 Ei.M.	59.98	58.4 E.	$\alpha = 4^h 55^m$ $\delta = +22^\circ 57'$			Apr. 1 Bs.	18.12	46.0 W.
1907			Dec. 23 Ei.Y.	59.98	58.6 W.				May 4 Bs.	18.50	45.9 W.
Apr. 21 M.	3.13	9.9 E.	Mean.....	59.980	58.42				1907		
June 23 P.	3.22	10.1	Mag. corr....	+0.015					Apr. 24 M.	18.14	45.8 E.
July 23 Hl.	3.22	10.4	10 Camelopardalis						July 8 Hl.	18.00	45.3
1908			$\alpha = 4^h 54^m 31^s.181$ $\delta = +60^\circ 17' 46''.25$						Aug. 6 P.	18.03	45.9 E.
Apr. 13 Fk.	3.27	11.4 E.	1903	s					1908		
May 10 M.	3.22	9.2 W.	Sept. 4 L.	[+0.03]	[+0.6] W.				May 1 Fk.	18.20	.... W.
June 23 Fk.	3.16	9.7	6 L.	[+0.05]	[+0.1]				10 M.	18.70	45.1
July 11 Fk.	3.11	10.4	11 L.	-0.07	-0.1				23 P.	17.90	45.4 W.
15 Fk.	3.17	11.0	13 L.	+0.16	-0.5				Mean.....	18.126	45.67
1909			15 L.	+0.06	+0.4				Mag. corr....	+0.013	
Mar. 21 M.	3.27	9.0 W.	18 L.	+0.17	+0.2				B. D. +39° 1152		
Mean.....	3.178	10.03	22 R.	0.00	0.0				$\alpha = 4^h 56^m$ $\delta = +39^\circ 55'$		
Mag. corr....	-0.008		24 R.	+0.08	-0.8				1908	s	
B. D. +18° 765			25 L.	+0.05	0.0 W.				Jan. 15 Hl.	31.75	57.9 E.
$\alpha = 4^h 52^m$ $\delta = +18^\circ 50'$			1907						16 Hl.	31.79	57.0 E.
1903	s		Oct. 17 Hl.	+0.09	-0.2 E.				Mean.....	31.770	57.45
Oct. 20 Ei.Y.	30.07	19.6 W.	18 P.	+0.04	+0.5				Mag. corr....	0.000	
27 Ei.Y.	30.10	19.8 W.	1908						Tauri		
1905			Jan. 18 M.P.	-0.02	-0.1				$\alpha = 4^h 57^m 7^s.117$ $\delta = +21^\circ 26' 49''.32$		
Jan. 28 Ei.M.	30.18	20.9 E.	27 P.	+0.02	+0.2				1903	s	
1906			29 P.	+0.05	-0.4 E.				Nov. 9 Ei.Y.	-0.03	+0.4 W.
Jan. 6 Ei.Y.	30.11	20.1 W.	Mean.....	+0.052	-0.07				Dec. 3 Ei.Y.	0.00	+1.0
Mean.....	30.115	20.10	Mag. corr....	+0.003					7 Ei.Y.	-0.02	+1.1
Mag. corr....	-0.009		ε Aurigæ						11 Ei.Y.	+0.04	+0.9
B. D. +25° 766			$\alpha = 4^h 54^m 47^s.530$ $\delta = +43^\circ 40' 31''.44$						1904	s	
$\alpha = 4^h 53^m$ $\delta = +25^\circ 47'$			1906	s		B. D. +19° 839			Feb. 6 Ei.Y.	-0.03	+0.4
1903	s		Jan. 31 Bs.	-0.04	+0.1 W.	$\alpha = 4^h 55^m$ $\delta = +19^\circ 49'$			20 R.	-0.01	+1.1
Oct. 27 Ei.Y.	27.54	9.4 W.	Feb. 13 Br.	-0.06	+1.0 W.				Mar. 1 Br.	-0.04	+0.9 W.
Dec. 7 Ei.Y.	27.54	9.7 W.	1907						Oct. 24 Ei.Y.	-0.09	+0.8 E.
1905			Sept. 27 P.	0.00	+0.1 E.				Dec. 21 Ei.M.	+0.02	+1.1
Jan. 14 Ei.M.	27.61	9.1 E.	Oct. 8 M.	-0.02	+1.0				1905		
Dec. 13 Ei.Y.	27.58	10.2 W.	14 Hl.	+0.06	+1.1				Jan. 14 Ei.M.	+0.03	+1.0
Mean.....	27.568	9.60	15 P.	-0.01	+0.7				18 Ei.M.	-0.04	+0.4
Mag. corr....	0.000		Dec. 18 P.	-0.04	+0.1 E.				27 Ei.Y.	-0.04	+0.7
B. D. +39° 1134			1908						28 Ei.M.	-0.02	+1.3
$\alpha = 4^h 53^m$ $\delta = +39^\circ 30'$			Sept. 17 P.	-0.08	+0.3 W.				Feb. 7 Ei.Y.	-0.02	+0.8
1908	s		22 Fk.	-0.04	+1.0				10 Ei.Y.	-0.01	+1.2
Jan. 24 Hl.	29.57	12.9 E.	23 M.	+0.04	+0.7 W.				13 Y.	-0.02	+0.6
25 Hl.	29.63	12.9 E.	Mean.....	-0.019	+0.61				15 M.	-0.02	+1.0
Mean.....	29.600	12.90	Mag. corr....	-0.001					16 Y.	-0.05	+0.2
Mag. corr....	-0.005		B. D. +40° 1135						24 Ei.Y.	-0.01	+0.9 E.
B. D. +27° 716			$\alpha = 4^h 54^m$ $\delta = +41^\circ 3'$						Sept. 29 Hl.	+0.01	+1.8 W.
$\alpha = 4^h 53^m$ $\delta = +27^\circ 10'$			1907	s		157 H ¹ . Cephei			Oct. 16 Br.	+0.01	....
1903	s		Oct. 1 P.	50.24	20.4 E.	$\alpha = 4^h 56^m$ $\delta = +85^\circ 49'$			22 Hl.	-0.05	....
Nov. 9 Ei.Y.	40.04	28.5 W.	2 M.	50.30	20.5 E.				Dec. 7 Ei.Y.	-0.05	+0.2
Dec. 11 Ei.Y.	40.09	29.2 W.	Mean.....	50.270	20.45				23 Ei.Y.	-0.04	+1.1
1905			Mag. corr....	-0.010					1906		
Jan. 27 Ei.Y.	40.07	28.2 E.	B. D. +29° 784						Jan. 6 Ei.Y.	-0.05	+1.0
Dec. 26 Ei.Y.	40.11	28.4 W.	$\alpha = 4^h 54^m$ $\delta = +29^\circ 11'$						10 Ei.Y.	-0.03	+0.2
Mean.....	40.078	28.58	1903	s					18 Ei.Y.	-0.04	+0.4
Mag. corr....	+0.016		Dec. 3 Ei.Y.	50.32	11.5 W.				Feb. 2 Br.	-0.10	+0.4 W.
			7 Ei.Y.	50.33	11.1 W.				1907		
			1904						Oct. 10 Hl.	+0.01	+1.4 E.
			Oct. 24 Ei.Y.	50.35	11.2 E.				25 Hl.	-0.01	+0.8

1909			1903			1908			1908		
Jan. 3 P.	-0.02	+0.7 W.	Sept. 25 L.	+0.02	+0.4 W.	Sept. 28 P.	-0.03	-0.9 W.	Nov. 8 M.	+0.07	-0.8 W.
Feb. 6 L.	+0.01	...	Dec. 11 Ei.Y.	+0.04	+0.3	Oct. 7 M.	-0.02	+0.5 W.	1909		
13 L.	-0.05	... W.	1904						Dec. 14 M.	+0.01	+0.2 E.
Sept. 5 M.	...	[+1.0] E.	Jan. 27 Ei.Y.	+0.02	-0.3	Mean.....	-0.020	+0.46	15 L.	+0.13	+0.2 E.
Oct. 2 P.	-0.02	+1.3	Feb. 6 Ei.Y.	+0.03	-0.5 W.	Mag. corr....	-0.001		Mean.....	+0.052	+0.12
4 P.	-0.01	+1.2	Oct. 24 Ei.Y.	-0.02	+0.2 E.				Mag. corr....	-0.001	
5 L.	-0.02	+0.6	Dec. 21 Ei.M.	-0.02	+0.7	B. D. +39° 1169					
Nov. 28 M.	-0.03	+0.2	1905								
1910			Jan. 14 Ei.M.	+0.01	+0.4						
Mar. 16 M.	...	[+0.9]	Feb. 10 Ei.Y.	-0.03	+0.9	$\alpha = 4^h 59^m$					
Sept. 24 M.	-0.04	+0.9	24 Ei.Y.	0.00	+0.2 E.	$\delta = +39^\circ 54'$			B. D. +16° 697		
25 M.	-0.02	+0.7	Oct. 22 Hl.	0.00	... W.	1908			$\alpha = 5^h 1^m$		
26 P.	-0.03	+0.8	Dec. 7 Ei.Y.	+0.03	+0.4	Jan. 24 Hl.	31.15	3.3 E.	$\delta = +16^\circ 41'$		
Oct. 22 P.	-0.06	+0.7	1906			25 Hl.	31.19	3.1 E.			
23 M.	-0.01	+0.7	Jan. 10 Ei.Y.	0.00	0.0	Mean.....	31.170	3.20	1903		
24 P.	-0.02	+0.2	Feb. 3 Hl.	-0.01	+0.2 W.	Mag. corr....	-0.001		Dec. 11 Ei.Y.	14.74	41.0 W.
Nov. 17 P.	-0.05	+1.1	1907						1904		
1911			Sept. 30 Hl.	+0.02	+0.7 E.	B. D. +22° 818			Jan. 27 Ei.Y.	14.68	40.9 W.
Feb. 7 P.	-0.08	+1.3 E.	Oct. 17 Hl.	0.00	+0.3	$\alpha = 4^h 59^m$			1905		
Mean.....	-0.023	+0.82	18 P.	0.00	+0.3	$\delta = +22^\circ 55'$			Jan. 27 Ei.Y.	14.77	40.8 E.
Mag. corr....	+0.003		21 Hl.	+0.02	...				Dec. 26 Ei.Y.	14.73	40.1 W.
B. D. +24° 739			1908						Mean.....	14.730	40.70
$\alpha = 4^h 57^m$			Jan. 17 P.M.	+0.04	+0.4	1903			Mag. corr....	-0.001	
$\delta = +24^\circ 50'$			18 M.P.	-0.03	+0.4	Nov. 9 Ei.Y.	35.47	23.5 W.			
1903			22 P.	-0.03	+0.2	1904			B. D. +18° 779		
Oct. 27 Ei.Y.	43.75	0.1 W.	29 P.	+0.04	0.0	Jan. 25 Ei.Y.	35.47	23.9 W.	$\alpha = 5^h 1^m$		
1904			30 M.	-0.02	+0.5 E.	1905			$\delta = +18^\circ 30'$		
Jan. 15 Ei.Y.	43.81	1.4 W.	Sept. 22 Fk.	+0.02	+0.5 W.	Jan. 16 Ei.Y.	35.46	24.0 E.			
1905			23 M.	+0.01	+0.6	1906			1903		
Jan. 30 Ei.Y.	43.90	1.2 E.	Oct. 15 M.	+0.03	+0.4	Jan. 18 Ei.Y.	35.49	24.7 W.	Nov. 3 Ei.Y.	32.44	40.1 W.
Dec. 13 Ei.Y.	43.84	1.6 W.	16 P.	+0.05	+1.5 W.	Mean.....	35.472	24.02	6 Ei.Y.	32.40	39.7 W.
Mean.....	43.825	1.08	1909			Mag. corr....	+0.015		1905		
Mag. corr....	0.000		Sept. 5 M.	...	[+0.9] E.	B. D. +19° 847			Jan. 18 Ei.M.	32.52	40.1 E.
B. D. +27° 723			Oct. 2 P.	-0.02	+0.5	$\alpha = 4^h 59^m$			Dec. 23 Ei.Y.	32.57	40.5 W.
$\alpha = 4^h 58^m$			4 P.	+0.02	+0.7	$\delta = +19^\circ 40'$			Mean.....	32.482	40.10
$\delta = +27^\circ 33'$			5 L.	0.00	0.0				Mag. corr....	+0.001	
1903			1910								
Dec. 22 Ei.Y.	22.79	23.6 W.	Feb. 18 P.	-0.02	+0.1	1903			B. D. +39° 1183		
1904			Mar. 16 M.	...	[-0.1]	Dec. 3 Ei.Y.	38.40	9.0 W.	$\alpha = 5^h 1^m$		
Jan. 14 Ei.Y.	22.72	24.1 W.	Sept. 24 M.	+0.02	+0.2	7 Ei.Y.	38.38	9.0 W.	$\delta = +39^\circ 44'$		
1905			25 M.	-0.03	0.0	1905					
Jan. 27 Ei.Y.	22.74	24.0 E.	26 P.	-0.04	+0.7	Jan. 28 Ei.M.	38.37	9.5 E.	1908		
Dec. 26 Ei.Y.	22.80	23.4 W.	Oct. 23 M.	0.00	+0.1	1906			Jan. 15 Hl.	34.02	25.9 E.
Mean.....	22.762	23.78	24 P.	+0.01	+0.2	Jan. 6 Ei.Y.	38.34	9.8 W.	16 Hl.	34.08	25.0 E.
Mag. corr....	+0.017		Nov. 16 M.	+0.05	+0.1	Mean.....	38.372	9.32	Mean.....	34.050	25.45
B. D. +21° 755			17 P.	-0.04	+0.3 E.	Mag. corr....	+0.017		Mag. corr....	0.000	
$\alpha = 4^h 58^m$			Mean.....	+0.008	+0.28	B. D. +26° 783			B. D. +20° 885		
$\delta = +21^\circ 8'$			Mag. corr....	+0.003		$\alpha = 4^h 59^m$			$\alpha = 5^h 1^m$		
1903			[+0.58]			$\delta = +26^\circ 17'$			$\delta = +20^\circ 17'$		
Nov. 3 Ei.Y.	24.02	16.0 W.	B. D. +17° 832						1903		
6 Ei.Y.	23.99	16.7 W.	$\alpha = 4^h 59^m$			1903			Oct. 20 Ei.Y.	53.27	11.7 W.
1905			$\delta = +17^\circ 38'$			Oct. 27 Ei.Y.	41.87	33.5 W.	22 Ei.Y.	53.30	11.2 W.
Jan. 18 Ei.M.	24.02	16.4 E.	1903			1904			1905		
Dec. 23 Ei.Y.	23.97	16.6 W.	Oct. 20 Ei.Y.	5.19	37.7 W.	Jan. 15 Ei.Y.	41.96	34.3 W.	Feb. 10 Ei.Y.	53.28	12.1 E.
Mean.....	24.000	16.42	22 Ei.Y.	5.23	36.7 W.	1905			1906		
Mag. corr....	+0.020		1905			Jan. 30 Ei.Y.	42.00	34.4 E.	Jan. 10 Ei.Y.	53.30	11.7 W.
11 Orionis			Feb. 7 Ei.Y.	5.24	37.6 E.	Dec. 13 Ei.Y.	41.95	34.4 W.	Mean.....	53.288	11.68
$\alpha = 4^h 58^m 51''.269$			1906			Mean.....	41.945	34.15	Mag. corr....	-0.002	
$\delta = +15^\circ 15' 53''.50$			Jan. 5 Ei.Y.	5.21	37.6 W.	Mag. corr....	+0.016		B. D. +21° 766		
1903			Mean.....	5.218	37.40	e Leporis			$\alpha = 5^h 1^m$		
Sept. 6 L.	[-0.08]	[+1.0] W.	Mag. corr....	-0.009		$\alpha = 5^h 1^m 13''.672$			$\delta = +21^\circ 34'$		
12 R.	[+0.02]	[+0.9]	η Aurigæ			$\delta = -22^\circ 30' 19''.60$			1903		
13 L.	[+0.01]	[+0.2]	1906			1906			Nov. 9 Ei.Y.	56.65	20.9 W.
15 L.	+0.08	-0.6	Jan. 31 Bs.	+0.02	+0.6 W.	Feb. 7 Bs.	+0.04	-0.1 W.	Dec. 22 Ei.Y.	56.67	21.2 W.
18 L.	+0.01	+0.3	Feb. 10 Hl.	-0.03	+0.2	1907			1905		
21 L.	-0.01	-0.4	13 Br.	-0.04	+0.6 W.	Sept. 24 P.	0.00	+0.6 E.	Feb. 7 Ei.Y.	56.62	21.8 E.
23 L.	+0.06	+0.1 W.	1907			Oct. 8 M.	+0.05	+0.6	1906		
			Sept. 27 P.	-0.04	+1.7 E.	10 Hl.	+0.10	+0.9	Jan. 5 Ei.Y.	56.69	21.3 W.
			Oct. 1 P.	0.00	+0.3	13 M.	+0.07	+0.3	Mean.....	56.658	21.30
			2 M.	-0.04	+0.6	14 Hl.	+0.06	-0.4 E.	Mag. corr....	-0.010	
			4 P.	-0.02	+0.5	1908					
			6 M.	0.00	+0.5 E.	Oct. 6 L.	+0.04	-0.4 W.			
						14 P.	+0.01	+0.5			
						18 M.	+0.05	-0.2 W.			

B. D. +24° 755			1904			1908			1907		
$\alpha = 5^h 2^m$			Jan. 14 Ei.Y. 56.32 48.8 W.			Sept. 22 Fk. 21.65 55.6 W.			Sept. 24 P. -0.22 +0.4 E.		
$\delta = +24^\circ 7'$			1905			23 M. 21.69 55.9 W.			27 P. +0.03 -0.6		
1904			Jan. 28 Ei.M. 56.33 48.3 E.			Mean..... 21.664 55.73			Oct. 18 P. -0.20 +0.8		
Jan. 15 Ei.Y. 0.99 59.8 W.			1906			Mag. corr.... +0.006			21 Hl. -0.18 +0.7		
25 Ei.Y. 0.97 59.5 W.			Jan. 6 Ei.Y. 56.32 48.8 W.			B. D. +24° 772			1908		
1905			Mean..... 56.312 48.70			$\alpha = 5^h 4^m$			Jan. 17 P.M. -0.07 0.0 E.		
Jan. 16 Ei.Y. 0.96 59.7 E.			Mag. corr.... +0.016			$\delta = +25^\circ 1'$			Mean..... -0.012 +0.21		
1906			B. D. +29° 822			1903			Mag. corr.... 0.000		
Jan. 18 Ei.Y. 0.97 59.7 W.			$\alpha = 5^h 3^m$			Nov. 3 Ei.Y. 36.46 14.9 W.			19 H. Camelopardalis s. p.		
Mean..... 0.972 59.68			$\delta = +29^\circ 40'$			6 Ei.Y. 36.44 14.2 W.			$\alpha = 5^h 6^m 4^s .019$		
Mag. corr.... -0.005			1903			1905			$\delta = +79^\circ 7' 0'' .32$		
β Eridani			Oct. 27 Ei.Y. 21.60 11.6 W.			Feb. 10 Ei.Y. 36.50 14.8 E.			1906		
$\alpha = 5^h 2^m 55^s .974$			1904			1906			Apr. 1 Bs. +0.36 +0.4 W.		
$\delta = -5^\circ 12' 56'' .70$			Jan. 15 Ei.Y. 21.57 12.3 W.			Jan. 10 Ei.Y. 36.53 13.6 W.			15 Bs. +0.08 +0.3		
1903			1905			Mean..... 36.482 14.38			May 3 Br. +0.21 +0.2		
Sept. 24 R. +0.03 +0.4 W.			Jan. 30 Ei.Y. 21.65 12.1 E.			Mag. corr.... -0.006			4 Bs. +0.22 +0.2 W.		
1904			Dec. 13 Ei.Y. 21.62 12.2 W.			B. D. +37° 1076			1907		
Sept. 21 T. +0.01 +1.4 E.			Mean..... 21.610 12.05			$\alpha = 5^h 4^m$			July 27 P. +0.22 -0.1 E.		
Oct. 1 M. +0.02 -0.3			Mag. corr.... +0.016			$\delta = +37^\circ 10'$			1908		
4 M. +0.01 +0.1			B. D. +41° 1091			1908			Mar. 20 P. +0.16 +0.5		
9 M. -0.01 +0.6			$\alpha = 5^h 3^m$			Jan. 24 Hl. 47.10 34.7 E.			Apr. 6 Fk. -0.02 -0.8		
1905			$\delta = +41^\circ 9'$			25 Hl. 47.02 35.0 E.			16 Fk. +0.08 +0.6		
Jan. 19 Y. +0.02 +0.7			1907			Mean..... 47.060 34.85			17 P. -0.02 -0.5 E.		
Feb. 13 Y. +0.04 +0.6			Oct. 1 P. 28.26 44.3 E.			Mag. corr.... -0.001			July 8 Fk. -0.14 0.0 W.		
14 Br. +0.03 0.0			2 M. 28.20 44.6 E.			B. D. +23° 872			27 P. +0.02 +0.1 W.		
15 M. +0.01 +0.5			Mean..... 28.230 44.45			$\alpha = 5^h 4^m$			Mean..... +0.106 +0.08		
16 Y. +0.04 -0.4			Mag. corr.... -0.008			$\delta = +23^\circ 4'$			Mag. corr.... -0.001		
17 Br. 0.00 +0.1 E.			B. D. +27° 732			1903			B. D. +26° 796		
Sept. 27 Hl. +0.06 +0.7 W.			$\alpha = 5^h 3^m$			Dec. 11 Ei.Y. 55.96 58.5 W.			$\alpha = 5^h 6^m$		
29 Hl. +0.02 0.0			$\delta = +27^\circ 54'$			1904			$\delta = +26^\circ 20'$		
Oct. 11 Bs. +0.03 -1.0			1903			Jan. 14 Ei.Y. 55.94 58.3 W.			1903		
15 Hl. +0.02 -0.6			Nov. 9 Ei.Y. 28.37 12.8 W.			1905			Nov. 9 Ei.Y. 9.95 10.6 W.		
22 Hl. 0.00 ...			1904			Feb. 7 Ei.Y. 55.95 58.9 E.			Dec. 11 Ei.Y. 9.98 10.8 W.		
1906			Jan. 25 Ei.Y. 28.30 12.8 W.			1906			1905		
Jan. 9 Ei.Y. +0.01 +0.5			1905			Jan. 5 Ei.Y. 55.97 58.4 W.			Jan. 28 Ei.M. 9.96 11.0 E.		
Sept. 24 P. +0.02 +0.7			Jan. 27 Ei.Y. 28.33 12.7 E.			Mean..... 55.955 58.52			1906		
Oct. 6 Hl. -0.03 +0.4 W.			Dec. 26 Ei.Y. 28.32 12.5 W.			Mag. corr.... -0.012			Jan. 6 Ei.Y. 9.97 11.5 W.		
1907			Mean..... 28.330 12.70			B. D. +15° 759			Mean..... 9.965 10.98		
Oct. 15 P. +0.01 +0.4 E.			Mag. corr.... +0.023			$\alpha = 5^h 5^m$			Mag. corr.... +0.014		
16 M. -0.04 +0.5			B. D. +15° 752			$\delta = +15^\circ 55'$			B. D. +37° 1091		
17 Hl. +0.01 ...			$\alpha = 5^h 3^m$			1903			$\alpha = 5^h 6^m$		
18 P. -0.02 +1.1			$\delta = +15^\circ 28'$			Oct. 20 Ei.Y. 58.50 10.8 W.			$\delta = +37^\circ 13'$		
21 Hl. -0.04 ...			1903			22 Ei.Y. 58.47 10.1 W.			1908		
25 Hl. +0.01 +0.3 E.			1905			1905			Jan. 15 Hl. 31.92 12.5 E.		
1908			Jan. 18 Ei.M. 58.50 10.6 E.			Jan. 16 Ei.Y. 56.89 20.5 E.			16 Hl. 32.00 12.2 E.		
Oct. 15 M. +0.06 +0.6 W.			Dec. 23 Ei.Y. 58.51 11.5 W.			1906			Mean..... 31.960 12.35		
16 P. +0.06 +1.4			Mean..... 58.495 10.75			Jan. 18 Ei.Y. 56.92 20.2 W.			Mag. corr.... -0.006		
1909			Mag. corr.... +0.002			Mean..... 56.902 20.42			μ Aurigæ		
Jan. 3 P. 0.00 -0.6			B. D. +19° 853			19 H. Camelopardalis			$\alpha = 5^h 6^m 35^s .013$		
20 L. -0.02 +1.2			$\alpha = 5^h 2^m$			$\delta = +79^\circ 6' 59'' .99$			$\delta = +38^\circ 21' 57'' .41$		
22 P. +0.03 -0.3			$\delta = +19^\circ 43'$			1903			1905		
26 L. +0.02 +0.6			1903			Sept. 6 L. [-0.15] [+0.6] W.			Feb. 14 Br. +0.07 -0.2 E.		
Feb. 16 P. -0.02 +0.4			Oct. 20 Ei.Y. 58.50 10.8 W.			12 R. [+0.05] [+0.7]			16 Y. 0.00 -0.2 E.		
18 M. +0.02 +0.7			22 Ei.Y. 58.47 10.1 W.			13 L. [+0.08] [+0.6]			1906		
20 L. -0.03 +0.9			1905			18 L. +0.10 +0.2			Feb. 7 Bs. +0.01 +0.1 W.		
25 M. +0.04 +1.5			Jan. 18 Ei.M. 58.50 10.6 E.			21 L. +0.16 +0.6			23 Bs. +0.06 -0.1 W.		
26 P. -0.01 -0.2			Dec. 23 Ei.Y. 58.51 11.5 W.			22 R. -0.04 +0.5			1907		
28 P. +0.02 +1.1 W.			Mean..... 58.495 10.75			23 L. +0.16 +0.3			Oct. 13 M. -0.01 -0.7 E.		
1910			Mag. corr.... +0.002			25 L. 0.00 +0.1			16 M. +0.06 +0.2		
Oct. 4 L. -0.01 0.0 E.			λ Eridani			28 R. -0.01 -0.6			1908		
9 M. 0.00 +0.9			$\alpha = 5^h 4^m$			29 L. +0.12 +0.1 W.			Jan. 12 P. +0.04 +0.4 E.		
10 P. +0.01 +0.1			$\delta = -8^\circ 52'$			Mean..... +0.042 +0.03			Oct. 7 M. +0.08 +0.2 W.		
11 L. 0.00 +1.0			1904			Mag. corr.... +0.003			13 M. +0.05 -0.1		
1911			Mar. 1 Br. 21.66 55.3 W.			19 H. Camelopardalis			14 P. +0.06 +0.7 W.		
Feb. 27 M. -0.02 +0.8			Oct. 18 M. 21.65 E.			$\alpha = 5^h 6^m 4^s .079$			Mean..... +0.042 +0.03		
Mar. 1 L. +0.03 +0.8 E.			1905			$\delta = +79^\circ 6' 59'' .99$			Mag. corr.... +0.003		
Mean..... +0.010 +0.44			Jan. 15 Br. 21.71 55.6 E.			1903					
Mag. corr.... +0.001			1906			Sept. 6 L. [-0.15] [+0.6] W.					
B. D. +19° 853			Feb. 16 Br. 21.63 55.8 W.			12 R. [+0.05] [+0.7]					
$\alpha = 5^h 2^m$			Mar. 1 Hl. 21.70 56.2 W.			13 L. [+0.08] [+0.6]					
$\delta = +19^\circ 43'$			1907			18 L. +0.10 +0.2					
1903			Sept. 30 Hl. 21.68 55.0 E.			21 L. +0.16 +0.6					
Dec. 22 Ei.Y. 56.28 48.9 W.			Oct. 4 P. 21.61 56.1			22 R. -0.04 +0.5					
			6 M. 21.66 56.1 E.			23 L. +0.16 +0.3					
						25 L. 0.00 +0.1					
						28 R. -0.01 -0.6					
						29 L. +0.12 +0.1 W.					

B. D. +17° 867			1908			1911			λ Aurigæ		
α= 5 ^h 6 ^m			s			s			α= 5 ^h 12 ^m 6 ^s .666		
δ=+17° 5'			Sept. 22 Fk. -0.01 +0.4 W.			Jan. 23 M. +0.13 +0.4 E.			δ=+40° 0' 32".24		
1903			23 M. +0.03 +0.7			30 M. +0.07 +0.3			1906		
Oct. 27 Ei.Y. 42.28 31.8 W.			Oct. 16 P. +0.02 +0.4 W.			Feb. 10 P. +0.06 +1.0 E.			s		
Nov. 6 Ei.Y. 42.33 32.1 W.			Mean..... +0.041 +0.63			Mean..... +0.066 +0.38			Jan. 31 Bs. +0.03 +0.5 W.		
1905			Mag. corr.... 0.000			Mag. corr.... -0.001			Feb. 9 Br. +0.02 -0.3		
Jan. 30 Ei.Y. 42.42 32.4 E.			B. D. +22° 864			B. D. +18° 806			16 Br. +0.04 +0.1		
Dec. 13 Ei.Y. 42.42 32.4 W.			α= 5 ^h 9 ^m			α= 5 ^h 9 ^m			Mar. 1 III. +0.09 -0.2 W.		
Mean..... 42.362 32.18			δ=+22° 10'			δ=+18° 31'			1907		
Mag. corr.... -0.006			1903			1903			Sept. 24 P. +0.02 +0.7 E.		
B. D. +21° 796			Nov. 3 Ei.Y. 26.93 13.9 W.			Dec. 11 Ei.Y. 57.97 30.0 W.			27 P. +0.08 +0.4		
α= 5 ^h 8 ^m			6 Ei.Y. 26.91 13.8 W.			Jan. 25 Ei.Y. 58.01 29.7 W.			1908		
δ=+21° 6'			1905			1905			Oct. 10 III. +0.06 +0.7		
1903			Feb. 10 Ei.Y. 26.93 13.7 E.			Feb. 7 Ei.Y. 58.00 29.9 E.			17 III. +0.05 +1.0		
Oct. 20 Ei.Y. 7.79 21.5 W.			1906			1906			21 III. +0.01 +0.6 E.		
22 Ei.Y. 7.81 21.1 W.			Jan. 10 Ei.Y. 27.01 13.1 W.			Jan. 5 Ei.Y. 58.04 29.4 W.			Mean..... +0.045 +0.38		
1905			Mean..... 26.945 13.62			Mean..... 58.005 29.75			Mag. corr.... +0.001		
Jan. 27 Ei.Y. 7.79 21.5 E.			Mag. corr.... +0.021			Mag. corr.... -0.009			B. D. +21° 813		
Dec. 26 Ei.Y. 7.82 21.3 W.			β Orionis			B. D. +39° 1236			α= 5 ^h 12 ^m		
Mean..... 7.802 21.35			α= 5 ^h 9 ^m 43 ^s .897			α= 5 ^h 10 ^m			δ=+21° 41'		
Mag. corr.... +0.003			δ=-8° 19' 1".40			δ=+39° 21'			1903		
μ Leporis			1904			1908			Oct. 27 Ei.Y. 32.01 6.7 W.		
α= 5 ^h 8 ^m			Mar. 1 Br. +0.04 +1.2 W.			Jan. 24 III. 17.57 7.9 E.			Dec. 11 Ei.Y. 32.05 7.6 W.		
δ=-16° 19'			Sept. 23 T. +0.07 -0.4 E.			25 III. 17.49 8.0 E.			1905		
1903			Oct. 1 M. +0.11 -0.2			Mean..... 17.530 7.95			Jan. 27 Ei.Y. 32.11 7.3 E.		
Sept. 4 L. [24.9] W.			3 Br. +0.09 +0.6			Mag. corr.... -0.003			Dec. 26 Ei.Y. 32.04 7.0 W.		
1904			18 M. +0.09 +0.2			B. D. +27° 744			Mean..... 32.052 7.15		
Sept. 21 T. 26.38 23.6 E.			Dec. 20 Br. +0.10 -0.3			α= 5 ^h 10 ^m			Mag. corr.... +0.002		
Oct. 4 M. 26.42 25.6			22 Br. +0.10 -0.3			δ=+27° 36'			γ Orionis		
9 M. 26.41 25.4			1905			1903			α= 5 ^h 12 ^m 45 ^s .037		
14 Y. 26.38 25.2 E.			Jan. 15 Br. +0.10 +0.7			Nov. 9 Ei.Y. 36.39 21.6 W.			δ=-6° 57' 8".58		
1905			19 Y. +0.01			Dec. 22 Ei.Y. 36.38 22.2 W.			1903		
Oct. 15 III. 26.45 25.3 W.			Feb. 13 Y. +0.08 +0.4			1905			Sept. 4 L. [+1.0] W.		
1908			15 M. +0.02 +0.2 E.			Jan. 16 Ei.Y. 36.47 22.2 E.			6 L. [0.00] [+1.4]		
Jan. 27 P. 26.44 25.1 E.			Oct. 4 III. +0.09 +0.2 W.			1906			18 L. +0.01 +0.9		
Feb. 3 P. 26.46 25.4 E.			5 Br. +0.06 +0.6			Jan. 18 Ei.Y. 36.43 21.9 W.			21 L. +0.10 -0.9		
Oct. 11 M. 26.37 25.4 W.			11 Bs. +0.04 -0.1			Mean..... 36.418 21.98			22 R. +0.03 -0.1		
12 P. 26.42 24.5			22 III. +0.12			Mag. corr.... -0.012			23 L. +0.04 +0.1		
15 M. 26.40 25.6 W.			Dec. 13 Ei.Y. +0.04 +0.9			B. D. +28° 772			24 R. 0.00 +1.5		
Mean..... 26.413 25.11			1906			α= 5 ^h 10 ^m			25 L. +0.07 +0.4		
Mag. corr.... -0.001			Jan. 9 Ei.Y. +0.05 +0.8			δ=+28° 47'			29 L. 0.00 -0.1		
B. D. +19° 876			29 Ei.Y. +0.01 +0.6			1904			1904		
α= 5 ^h 9 ^m			Feb. 3 III. +0.08 +0.3			Jan. 15 Ei.Y. 55.96 39.9 W.			Mar. 2 R. +0.01 +0.7 W.		
δ=+19° 56'			7 Bs. -0.05 +1.2			25 Ei.Y. 56.01 39.5 W.			Sept. 21 T. -0.03 +2.0 E.		
1903			23 Bs. +0.05 -0.8			1905			Oct. 4 M. +0.05 +0.2		
Dec. 22 Ei.Y. 16.29 31.0 W.			Mar. 2 Br. +0.07 +0.3			Jan. 28 Ei.M. 56.01 40.0 E.			9 M. +0.04 +0.5		
1904			Sept. 24 P. 0.00 +1.1 W.			1906			14 Y. +0.02 +0.7		
Jan. 14 Ei.Y. 16.24 30.8 W.			1907			Jan. 6 Ei.Y. 56.02 39.9 W.			1905		
1905			Oct. 6 M. +0.06 ... E.			Mean..... 56.000 39.82			Jan. 19 Y. -0.01 +0.2 E.		
Jan. 18 Ei.M. 16.26 30.8 E.			Nov. 28 III. +0.09 ... E.			B. D. +23° 888			Sept. 29 III. +0.03 ... W.		
Dec. 23 Ei.Y. 16.24 31.1 W.			1908			α= 5 ^h 11 ^m			Oct. 8 III. +0.04 +1.4		
Mean..... 16.258 30.92			Sept. 28 P. +0.06 +1.1 W.			δ=+23° 54'			22 III. +0.02		
Mag. corr.... +0.003			Oct. 6 L. +0.05 -0.5			1903			29 III. +0.02 -0.6		
α Aurigæ			7 M. +0.05 +0.5			Oct. 20 Ei.Y. 26.33 7.1 W.			Nov. 12 III. 0.00 0.0		
α= 5 ^h 9 ^m 18 ^s .101			18 M. +0.08 +0.2			22 Ei.Y. 26.42 6.1 W.			Dec. 13 Ei.Y. +0.02 +0.5		
δ=+45° 53' 43".83			20 L. +0.06 0.0			1905			1906		
1905			Nov. 8 M. +0.07 +0.6			Jan. 30 Ei.Y. 26.47 7.4 E.			Jan. 29 Ei.Y. +0.02 +0.6		
Feb. 17 Br. +0.04 +0.1 E.			1909			Jan. 9 Ei.Y. 26.39 7.1 W.			Sept. 24 P. +0.04 +1.1 W.		
1906			Feb. 20 L. +0.03 +0.9			Mean..... 26.402 6.92			1907		
Oct. 6 III. -0.02 +1.0 W.			26 P. +0.09 -0.3			B. D. +23° 888			Sept. 25 M. 0.00 +0.5 E.		
11 III. -0.04 +0.1 W.			28 P. +0.06 +0.7 W.			α= 5 ^h 11 ^m			30 III. +0.03 +1.0		
1907			Oct. 1 L. +0.10 -0.2 E.			δ=+23° 54'			Oct. 4 P. +0.02 +1.3		
Oct. 8 M. +0.10 +1.0 E.			4 P. +0.09 +0.7			1903			6 M. +0.05 +0.2		
9 P. +0.08 +0.3			5 L. +0.10 0.0			Oct. 20 Ei.Y. 26.33 7.1 W.			13 M. +0.06 +0.5		
14 III. +0.11 +0.7			6 M. +0.07 0.0			22 Ei.Y. 26.42 6.1 W.			16 M. +0.04 +0.4		
15 P. +0.10 +1.6 E.			7 P. +0.14 +0.1			1905			Nov. 28 III. +0.01 ...		
			8 L. +0.04 +0.4			Jan. 30 Ei.Y. 26.47 7.4 E.			1908		
			11 P. +0.07 +1.4			Jan. 9 Ei.Y. 26.39 7.1 W.			Jan. 16 III. -0.01 +0.5		
			1910			Mean..... 26.402 6.92			27 P. +0.07 +0.2 E.		
			Oct. 9 M. +0.04 +1.0			Mag. corr.... +0.013					
			10 P. +0.09 +0.3								
			1911								
			Jan. 19 M. +0.06 +1.0								
			20 P. +0.06 +0.1 E.								

1908	s	"	1908	s	"	1908	s	"	1906	s	"
Oct. 7 M.	-0.04	+0.8 W.	Jan. 14 P.	+0.16	-0.1 E.	Jan. 12 P.	58.09	48.0 E.	Feb. 7 Bs.	39.40	51.2 W.
11 M.	+0.02	+0.6	Sept. 23 M.	+0.22	+1.2 W.	17 P.M.	58.14	47.6	1907		
12 P.	-0.01	+1.0	28 P.	+0.14	+1.1 W.	18 M.P.	58.05	47.6 E.	Sept. 30 Hl.	39.41	50.7 E.
15 M.	+0.01	+0.8							Oct. 4 P.	39.43	51.3
16 P.	+0.09	-0.7	Mean.....	+0.144	+0.85	Mean.....	58.107	47.50	6 M.	39.48	51.4
18 M.	-0.02	-0.2	Mag. corr....	+0.002		Mag. corr....	+0.007		13 M.	39.42	51.2
20 L.	+0.02	0.0							16 M.	39.44	51.6 E.
Nov. 8 M.	+0.06	+0.6 W.	B. D. +25° 818			B. D. +19° 902			Mean.....	39.427	51.38
1909			'α= 5 ^h 14 ^m			α= 5 ^h 15 ^m			Mag. corr....	+0.003	
Oct. 4 P.	+0.01	+1.0 E.	δ=+25° 4'			δ=+19° 42'					
5 L.	+0.04	+0.3	1903	s	"	1903	s	"	B. D. +37° 1169		
1910			Dec. 11 Ei.Y.	9.08	6.3 W.	Dec. 22 Ei.Y.	2.15	47.4 W.	α= 5 ^h 16 ^m		
Oct. 11 L.	+0.01	+0.2	1904			1904			δ=+37° 5'		
1911			Jan. 27 Ei.Y.	9.17	5.7 W.	Jan. 14 Ei.Y.	2.10	47.5 W.			
Jan. 20 P.	0.00	+0.5	1905			1905			1908	s	"
Feb. 10 P.	-0.04	+1.5	Jan. 16 Ei.Y.	9.16	6.7 E.	Jan. 18 Ei.M.	2.15	47.4 E.	Jan. 15 Hl.	55.72	39.0 E.
23 M.	+0.03	+0.5	1906			Dec. 23 Ei.Y.	2.10	47.8 W.	16 Hl.	55.80	39.0 E.
27 M.	+0.05	+1.1 E.	Jan. 18 Ei.Y.	9.22	6.0 W.	Mean.....	2.125	47.52	Mean.....	55.760	39.00
Mean.....	+0.023	+0.52	Mean.....	9.158	6.18	Mag. corr....	+0.019		Mag. corr....	0.000	
Mag. corr....	-0.003		Mag. corr....	-0.005							
B. D. +21° 816			B. D. +19° 898			12 G. Columbae			B. D. +28° 788		
α= 5 ^h 13 ^m			α= 5 ^h 14 ^m			α= 5 ^h 15 ^m			α= 5 ^h 17 ^m		
δ=+21° 59'			δ=+19° 28'			δ=-27° 28'			δ=+28° 50'		
1903	s	"	1903	s	"	1905	s	"	1903	s	"
Dec. 22 Ei.Y.	16.09	35.1 W.	Oct. 20 Ei.Y.	24.40	32.7 W.	Oct. 4 Hl.	24.60	16.9 W.	Nov. 6 Ei.Y.	2.77	28.7 W.
1904			22 Ei.Y.	24.40	31.6 W.	5 Br.	24.53	16.7	Dec. 22 Ei.Y.	2.83	29.7 W.
Jan. 14 Ei.Y.	16.04	35.8 W.	1905			11 Bs.	24.47	18.2	1905		
1905			Jan. 28 Ei.M.	24.40	33.0 E.	1906			Feb. 7 Ei.Y.	2.81	30.0 E.
Jan. 18 Ei.M.	16.09	34.8 E.	1906			Oct. 11 Hl.	24.50	16.6 W.	1906		
Dec. 23 Ei.Y.	16.05	35.7 W.	Jan. 6 Ei.Y.	24.33	32.9 W.	Oct. 8 M.	24.54	16.9 E.	Jan. 5 Ei.Y.	2.81	29.5 W.
Mean.....	16.068	35.35	Mean.....	24.382	32.55	9 P.	24.54	17.6	Mean.....	2.805	29.48
Mag. corr....	0.000		Mag. corr....	+0.014		14 Hl.	24.60	17.4	Mag. corr....	+0.019	
B. D. +19° 893			B. D. +27° 758			15 P.	24.64	18.0			
α= 5 ^h 13 ^m			α= 5 ^h 14 ^m			21 Hl.	24.58	17.3 E.	B. D. +16° 765		
δ=+20° 1'			δ=+27° 51'			1908			α= 5 ^h 17 ^m		
1903	s	"	1904	s	"	Oct. 6 L.	24.54	17.8 W.	δ=+16° 36'		
Nov. 3 Ei.Y.	19.65	47.5 W.	Jan. 15 Ei.Y.	42.50	21.6 W.	Mean.....	24.554	17.34			
6 Ei.Y.	19.66	47.9 W.	25 Ei.Y.	42.54	21.6 W.	Mag. corr....	+0.007		1903	s	"
1905			1905						Oct. 20 Ei.Y.	51.15	17.9 W.
Feb. 10 Ei.Y.	19.69	48.1 E.	Jan. 30 Ei.Y.	42.56	22.2 E.	B. D. +37° 1160			22 Ei.Y.	51.22	17.3 W.
1906			1906			α= 5 ^h 15 ^m			1905		
Jan. 10 Ei.Y.	19.67	47.1 W.	Jan. 9 Ei.Y.	42.50	22.5 W.	δ=+37° 34'			Jan. 16 Ei.Y.	51.20	17.7 E.
Mean.....	19.668	47.65	Mean.....	42.525	21.98	1908	s	"	1906		
Mag. corr....	+0.021		Mag. corr....	+0.020		Jan. 24 Hl.	46.53	39.3 E.	Jan. 18 Ei.Y.	51.16	18.2 W.
B. D. +26° 805			B. D. +29° 869			25 Hl.	46.52	39.4 E.	Mean.....	51.182	17.78
α= 5 ^h 13 ^m			α= 5 ^h 14 ^m			Mean.....	46.525	39.35	Mag. corr....	+0.022	
δ=+26° 9'			δ=+29° 28'			Mag. corr....	-0.002				
1903	s	"	1903	s	"	B. D. +18° 831			B. D. +31° 954		
Nov. 9 Ei.Y.	34.76	16.7 W.	Oct. 27 Ei.Y.	50.93	6.5 W.	α= 5 ^h 15 ^m			α= 5 ^h 18 ^m		
1904			1904			δ=+18° 48'			δ=+31° 7'		
Jan. 15 Ei.Y.	34.84	16.5 W.	Jan. 30 Ei.Y.	50.99	6.7 W.				1903	s	"
1905			1905			1903	s	"	Dec. 11 Ei.Y.	11.61	51.3 W.
Feb. 7 Ei.Y.	34.89	17.2 E.	Jan. 27 Ei.Y.	51.02	7.0 E.	Nov. 9 Ei.Y.	47.69	26.8 W.	1904		
1906			Dec. 26 Ei.Y.	50.96	6.6 W.	1904			Jan. 27 Ei.Y.	11.62	51.0 W.
Jan. 5 Ei.Y.	34.87	17.2 W.	Mean.....	50.975	6.70	Jan. 25 Ei.Y.	47.75	27.1 W.	1905		
Mean.....	34.840	16.90	Mag. corr....	-0.007		1905			Jan. 28 Ei.M.	11.62	51.6 E.
Mag. corr....	-0.012					Feb. 10 Ei.Y.	47.71	27.5 E.	1906		
o Columbae			λ Leporis			1906			Jan. 6 Ei.Y.	11.57	51.7 W.
α= 5 ^h 13 ^m 52 ^s .615			α= 5 ^h 14 ^m			Jan. 10 Ei.Y.	47.71	26.7 W.	Mean.....	11.605	51.40
δ=-34° 59' 37".50			δ=-13° 16'			Mean.....	47.715	27.02	Mag. corr....	+0.019	
1905	s	"	1904	s	"	Mag. corr....	+0.006		B. D. +31° 955		
Feb. 14 Br.	+0.15	-0.2 E.	Oct. 18 M.	58.10	48.0 E.	o Orionis			α= 5 ^h 18 ^m		
17 Br.	+0.11	+0.6 E.	1905			δ=-0° 28'			δ=+31° 3'		
1906			Jan. 15 Br.	58.14	47.2 E.				1903	s	"
Feb. 7 Bs.	+0.04	+1.2 W.	1906			1903	s	"	Oct. 27 Ei.Y.	11.76	0.2 W.
23 Bs.	+0.07	+1.4	Jan. 31 Bs.	58.11	47.8 W.	Sept. 6 L.	[39.44]	[50.7] W.	1904		
Mar. 2 Br.	+0.21	+1.2 W.	Feb. 9 Br.	58.11	46.6	23 L.	39.44	51.8	Jan. 30 Ei.Y.	11.88	0.1 W.
1907			13 Br.	58.11	47.1	25 L.	39.46	51.6	1905		
Oct. 1 P.	+0.19	+1.5 E.	16 Br.	58.15	47.7	27 L.	39.36	51.6 W.	Jan. 27 Ei.Y.	11.85	0.7 E.
2 M.	+0.15	+0.6	24 Hl.	58.07	47.4 W.						

1906				25 Orionis				1909				1910			
Jan. 9	Ei.Y.	11.84	0.8 W.	$\alpha = 5^h 19^m$ $\delta = +1^\circ 45'$	s	"		Oct. 19	M.	+0.03	+0.3 E.	Aug. 27	L.	[0.00]	[+0.7] E.
Mean.....		11.832	0.45					21	M.	+0.03	+0.3	Sept. 5	P.	[-0.03]	[+0.2]
Mag. corr....		-0.009						24	M.	+0.02	+0.9	6	M.	[-0.03]	[+0.1]
B. D. +17° 920				1905				25	P.	+0.08	0.0	7	P.	[+0.04]	[+0.8]
$\alpha = 5^h 18^m$ $\delta = +17^\circ 17'$				Oct. 15	Hi.	33.35	18.1 W.	26	L.	+0.05	+0.8	9	P.	[-0.05]	[+0.7]
1904				29	Hi.	33.39	17.3	27	M.	-0.02	+1.7	12	M.	[-0.03]	[-0.1]
Jan. 15	Ei.Y.	35.34	26.4 W.	Nov. 11	Hi.	33.32	18.5 W.	28	P.	+0.09	+1.4	14	M.	[-0.06]	[+0.6]
25	Ei.Y.	35.34	26.3 W.	1907				29	L.	-0.01	+1.0	15	P.	[-0.09]	[+0.3]
1905				Sept. 24	P.	33.37	18.5 E.	31	M.	+0.02	+0.4	20	M.	[+0.04]	[+0.8]
Jan. 30	Ei.Y.	35.40	26.7 E.	Oct. 1	P.	33.32	17.8	Nov. 3	M.	0.00	+1.3	21	L.	[-0.04]	+2.0
Dec. 26	Ei.Y.	35.40	26.1 W.	2	M.	33.42	18.1	4	L.	0.00	+1.2	22	M.	[+0.07]	+0.8
Mean.....		35.370	26.38	10	Hi.	33.45	18.6	10	M.	0.00	+0.7	24	M.	[+0.04]	+0.5
Mag. corr....		0.000		17	Hi.	33.42	18.3 E.	11	L.	+0.01	+1.0	25	M.	[+0.01]	+0.7
B. D. +23° 909				1908				12	M.	-0.03	+1.3	26	P.	0.00	+0.5
$\alpha = 5^h 18^m$ $\delta = +23^\circ 29'$				Sept. 23	M.	33.43	18.1 W.	15	M.	0.00	+0.4	27	L.	[+0.03]	+1.0
1903				28	P.	33.28	19.9 W.	19	L.	+0.06	+0.5	28	M.	[+0.01]	-0.4
Nov. 9	Ei.Y.	43.84	44.0 W.	Mean.....		33.375	18.32	22	P.	0.00	+0.7	Oct. 2	M.	[+0.01]	+0.5
1904				Mag. corr....		0.000		25	P.	-0.01	+0.8	3	P.	[+0.05]	+1.3
Feb. 3	Ei.Y.	43.85	43.8 W.	γ Orionis				26	L.	0.00	+1.4	4	L.	[+0.05]	+0.9
1905				1903				29	P.	-0.03	+0.6	9	M.	[+0.01]	+1.1
Jan. 18	Ei.M.	43.90	43.9 E.	Sept. 4	L.	.....	[+0.8] W.	30	L.	+0.05	+0.7	10	P.	[+0.08]	+1.2
Dec. 23	Ei.Y.	43.94	45.0 W.	6	L.	[-0.02]	[+1.8]	Dec. 1	M.	+0.04	+1.7	11	L.	[-0.03]	+1.6
Mean.....		43.882	44.18	11	L.	[+0.07]	[+0.7]	3	L.	+0.09	+0.8	13	P.	[+0.03]	+0.5
Mag. corr....		-0.012		13	L.	[+0.03]	[+0.9]	5	M.	+0.04	+0.8	17	P.	[+0.09]	+1.1
B. D. +20° 948				18	L.	+0.01	+0.9	6	L.	+0.01	+1.3	20	P.	[+0.03]	+1.0
$\alpha = 5^h 19^m$ $\delta = +20^\circ 29'$				21	L.	+0.15	-0.7	9	L.	+0.01	+1.2	24	P.	0.00	+0.4
1903				22	R.	+0.02	+0.5	10	M.	-0.02	+0.8	25	L.	[+0.04]	+1.4
Nov. 3	Ei.Y.	13.66	32.5 W.	23	L.	+0.03	0.0	14	M.	+0.03	+1.3	26	M.	[-0.01]	+0.6
6	Ei.Y.	13.67	33.0 W.	24	R.	+0.03	+1.4	15	L.	+0.06	+0.8	28	L.	[+0.03]	+1.7
1905				25	L.	+0.08	+0.9	16	M.	+0.03	+0.1	30	M.	[-0.02]	+0.3
Feb. 10	Ei.Y.	13.70	33.6 E.	27	L.	-0.01	+1.0	17	L.	+0.03	+0.8	31	P.	[-0.05]	+1.0
1906				28	R.	+0.03	+0.5	21	P.	+0.05	+0.4	Nov. 1	M.	[+0.06]	+0.2
Jan. 10	Ei.Y.	13.65	32.3 W.	29	L.	+0.09	+0.5	22	L.	0.00	+0.1	4	L.	[+0.05]	+0.4
Mean.....		13.670	32.85	1904				28	L.	+0.08	+1.0	6	M.	[+0.04]	+1.2
Mag. corr....		+0.014		Mar. 2	R.	.....	+0.8	31	P.	+0.03	+0.9	8	L.	[+0.02]	+0.8
η Orionis (brighter)				1905				Jan. 3	P.	0.00	+1.7	11	L.	[+0.06]	+1.0
$\alpha = 5^h 19^m$ $\delta = -2^\circ 29'$				Oct. 8	Hi.	+0.05	+0.8	7	P.	+0.03	+1.3	14	P.	[+0.04]	+0.5
1904				Feb. 3	Hi.	+0.03	+0.9 W.	8	L.	0.00	+0.2	17	P.	[-0.01]	+1.8
Oct. 4	M.	26.87	20.6 E.	1906				10	M.	+0.04	+0.8	19	P.	[-0.02]	+0.3
9	M.	26.96	20.3	Oct. 8	M.	+0.02	+0.7 E.	15	L.	+0.04	+1.6	20	M.	[-0.03]	+0.5
13	Br.	26.97	20.9	9	P.	+0.01	+0.4	16	P.	+0.04	+1.1	21	P.	[-0.02]	+0.9
14	Y.	26.92	20.0	14	Hi.	0.00	+0.3	19	L.	+0.06	+1.0	22	L.	[+0.04]	+1.3
17	Br.	26.99	20.9 E.	15	P.	-0.02	+0.2	23	P.	0.00	+1.1	25	L.	[-0.01]	+1.7
Mean.....		26.942	20.54	1907				25	P.	+0.03	+1.1	29	L.	[-0.02]	+1.3
Mag. corr....		-0.007		Oct. 8	M.	+0.02	+0.7 E.	Feb. 1	M.	+0.06	+1.0	Dec. 1	P.	[+0.03]	+1.0
η Orionis (mean)				9	P.	+0.01	+0.4	2	P.	-0.04	0.0	3	L.	[+0.02]	+1.0
$\alpha = 5^h 19^m$ $\delta = -2^\circ 29'$				14	Hi.	0.00	+0.3	4	P.	+0.05	+0.4	7	L.	[+0.01]	+1.3
1905				15	P.	-0.02	+0.2	5	L.	+0.02	+0.8	8	M.	[+0.05]	+0.7
Oct. 5	Br.	26.93	19.8 W.	1908				18	P.	+0.03	+0.4	9	P.	[-0.03]	+0.7
11	Bs.	26.95	21.0	Jan. 14	P.	-0.02	+1.5	19	L.	+0.01	+0.4	12	P.	[+0.02]	+0.7
1908				17	P.M.	+0.01	+1.2	22	P.	0.00	+0.8	13	M.	[-0.02]	+1.0
Oct. 6	L.	26.88	20.5	18	M.P.	-0.02	+0.9	25	P.	+0.05	+1.3	14	L.	[+0.02]	+1.1
7	M.	26.91	20.2	29	P.	+0.04	+0.7	Mar. 3	M.	+0.08	+1.0	17	L.	[+0.01]	+1.0
20	L.	26.95	20.3	30	M.	-0.01	+0.8	4	P.	0.00	+1.2	20	P.	[-0.03]	+2.3
Nov. 8	M.	26.89	20.1 W.	Feb. 3	P.	+0.01	+1.6	5	L.	+0.06	+0.8	21	L.	[+0.04]	+0.8
Mean.....		26.918	20.32	4	P.	+0.04	+1.4	7	M.	+0.02	+1.1	26	P.	0.00	+0.6
Mag. corr....		-0.003		6	P.	+0.05	+0.8 E.	8	P.	+0.06	+1.0	1911			
				12	P.	+0.04	+1.2 W.	14	M.	[0.00]	[+1.0]	Jan. 4	L.	[+0.01]	+0.4
				13	M.	+0.01	+0.9	15	L.	[+0.06]	[+0.6]	5	M.	[-0.02]	+1.1
				1909				16	M.	.....	[+0.2]	6	P.	[+0.01]	+1.1
				Feb. 25	M.	+0.05	+1.1 W.	18	P.	[+0.04]	[+0.9]	7	L.	[+0.03]	+0.8
				Sept. 14	M.	[+0.09]	[+0.8] E.	19	M.	[+0.01]	[+0.3]	9	M.	[+0.03]	+0.3
				17	P.	+0.03	+0.9	21	M.	[-0.04]	+0.5	10	P.	[+0.02]	+0.5
				19	M.	.....	+0.6	22	P.	[-0.01]	+0.1	15	M.	0.00	+0.7
				24	P.	+0.06	-0.4	23	P.	[-0.01]	+0.1	16	P.	[+0.03]	+0.3
				26	M.	+0.06	+0.8	24	M.	[-0.04]	+0.8	18	L.	[+0.01]	+1.4
				27	P.	+0.07	+1.2	24	M.	[-0.07]	-0.2	19	M.	[+0.01]	+1.1
				29	P.	0.00	+0.7	25	P.	+0.03	+0.1	20	P.	[+0.09]	+0.9
				30	M.	+0.06	+0.8	Apr. 2	L.	[+0.01]	+0.3	24	P.	[+0.02]	+1.1
				Oct. 1	L.	+0.03	+0.8	8	P.	+0.02	+0.4	25	L.	[-0.02]	+1.3
				4	P.	+0.01	+1.2	9	L.	[-0.01]	+0.5	28	L.	[+0.01]	+1.7
				5	L.	+0.01	+1.2	11	M.	.....	+0.3	Feb. 4	L.	[+0.05]	+0.6
				6	M.	+0.03	+0.4	13	L.	[-0.06]	+0.8	7	P.	[+0.01]	+1.4
				7	P.	+0.03	+0.7	14	M.	[-0.14]	-0.6	10	P.	[+0.02]	+1.8
				8	L.	+0.02	+0.5	18	M.	.....	-0.1	13	L.	[+0.02]	+0.9
				11	P.	+0.06	+1.9	19	P.	[+0.02]	+0.8	17	P.	[+0.04]	+1.4
				12	L.	-0.01	+1.6 E.	22	P.	[+0.04]	+0.4	21	P.	[+0.05]	+1.6
								28	M.	[+0.09]	[-0.6] E.	23	M.	[+0.05]	+1.0 E.

1911	s	"	1909	s	"	B. D. +37° 1196	1905	s	"		
Feb. 24 P.	-0.01	+1.2 E.	Jan. 3 P.	-0.01	-0.1 W.	$\alpha = 5^h 20^m$	Jan. 16 Ei.Y.	0.85	23.2 E.		
25 L.	+0.04	+1.0	Feb. 26 P.	+0.03	0.0	$\delta = +37^\circ 37'$	1906				
27 M.	+0.04	+1.4	28 P.	+0.06	+0.7	1908	Jan. 18 Ei.Y.	0.83	22.8 W.		
Mar. 1 L.	0.00	+1.6	Mar. 1 M.	0.00	-0.3 W.	Jan. 24 Hl.	54.36	52.2 E.	Mean.....	0.842	22.92
3 P.	-0.02	+0.9	Sept. 5 M.	.....	[-0.2] E.	25 Hl.	54.35	52.7 E.	Mag. corr....	-0.005	
8 L.	+0.06	+1.2	6 P.	[+0.05]	[0.0]	Mean.....	54.355	52.45			
9 M.	[0.00]	[+0.9]	Oct. 2 P.	+0.06	+0.1	Mag. corr....	+0.003				
10 P.	[+0.02]	[+1.5]	30 P.	-0.03	+0.2	B. D. +17° 928					
11 L.	+0.04	+1.4	Nov. 27 P.	+0.04	+0.5	$\alpha = 5^h 21^m$					
16 M.	+0.02	+1.5	28 M.	+0.01	-0.4	$\delta = +17^\circ 52'$					
17 P.	-0.02	+0.4									
21 P.	-0.02	+0.8	1910								
23 M.	+0.03	+1.0	Mar. 17 L.	[-0.04]	[+0.3]						
24 P.	-0.06	+0.6	Oct. 22 P.	-0.02	+0.6						
25 L.	+0.04	+0.5	23 M.	+0.02	-0.6	1903					
28 P.	+0.04	+0.7	Dec. 15 M.	0.00	+0.4	Oct. 27 Ei.Y.	20.05	35.1 W.			
31 P.	-0.06	0.0	1911			1904	Jan. 30 Ei.Y.	20.08	34.9 W.		
Apr. 6 M.	[-0.01]	[+0.5] E.	Jan. 23 M.	+0.01	+0.4	1905	Jan. 27 Ei.Y.	20.09	35.4 E.		
Mean.....	+0.023	+0.90	30 M.	0.00	+0.5	Dec. 26 Ei.Y.	20.07	34.7 W.			
Mag. corr....	+0.007		Mar. 6 M.	-0.02	+0.3 E.	Mean.....	20.072	35.02			
	[-0.003][+0.55]		Mean.....	+0.028	+0.18	Mag. corr....	-0.002				
			Mag. corr....	+0.009							
B. D. +25° 828											
$\alpha = 5^h 19^m$			B. D. +16° 775			B. D. +21° 847					
$\delta = +25^\circ 40'$			$\alpha = 5^h 20^m$			$\alpha = 5^h 21^m$					
1903	s	"	$\delta = +16^\circ 36'$			$\delta = +21^\circ 51'$					
Oct. 20 Ei.Y.	51.07	11.9 W.	1903	s	"	1903					
22 Ei.Y.	51.07	11.6 W.	Dec. 11 Ei.Y.	18.97	41.4 W.	Nov. 9 Ei.Y.	37.61	5.4 W.			
1905			1904			1904					
Feb. 7 Ei.Y.	51.00	13.1 E.	Jan. 27 Ei.Y.	18.96	41.6 W.	Feb. 3 Ei.Y.	37.64	5.9 W.			
1906			1905			1905					
Jan. 5 Ei.Y.	51.06	12.3 W.	Feb. 24 Ei.Y.	18.90	40.7 E.	Jan. 18 Ei.M.	37.71	5.8 E.			
Mean.....	51.050	12.22	1906			1906					
Mag. corr....	0.000		Jan. 6 Ei.Y.	18.95	41.0 W.	Jan. 29 Ei.Y.	37.71	6.0 W.			
β Tauri			Mean.....	18.945	41.18	Mean.....	37.668	5.78			
$\alpha = 5^h 19^m$	58° 21'0		Mag. corr....	+0.021		Mag. corr....	+0.003				
$\delta = +28^\circ 31' 21'' 84$											
1903	s	"				B. D. +15° 824					
Dec. 22 Ei.Y.	+0.05	-0.2 W.	17 Camelopardalis			$\alpha = 5^h 21^m$					
1904			$\alpha = 5^h 20^m$	43° 46'2		$\delta = +15^\circ 57'$					
Jan. 14 Ei.Y.	0.00	-0.3	$\delta = +62^\circ 59' 1'' 34$			1903					
Feb. 6 Ei.Y.	+0.05	-0.5	1906	s	"	Oct. 20 Ei.Y.	44.89	17.8 W.			
Mar. 1 Br.	-0.01	+0.8 W.	Feb. 7 Bs.	-0.03	+0.2 W.	22 Ei.Y.	44.96	16.6 W.			
Sept. 23 T.	+0.08	-0.1 E.	23 Bs.	-0.05	+0.4	1905					
Oct. 3 Br.	+0.08	+0.5	Mar. 2 Br.	-0.05	+0.5 W.	Feb. 10 Ei.Y.	44.96	17.7 E.			
18 M.	+0.01	+0.2	1907			1906					
Dec. 20 Br.	+0.05	+0.1	Sept. 25 M.	-0.03	+0.7 E.	Jan. 10 Ei.Y.	44.89	17.2 W.			
1905			Oct. 4 P.	+0.05	+0.5	Mean.....	44.925	17.32			
Jan. 15 Br.	+0.05	+0.3	6 M.	-0.04	+0.4	Mag. corr....	+0.003				
16 Ei.Y.	0.00	+0.4	13 M.	-0.01	+0.1						
19 Y.	0.00	+0.3	16 M.	-0.05	+0.3 E.	B. D. +23° 916					
28 Ei.M.	0.00	+1.1	1908			$\alpha = 5^h 21^m$					
Feb. 14 Br.	+0.02	+0.2	Oct. 14 P.	-0.04	+0.3 W.	$\delta = +23^\circ 12'$					
16 Y.	0.00	+0.2	15 M.	-0.10	+0.6 W.	1903					
17 Br.	+0.04	+0.4	Mean.....	-0.035	+0.40	Nov. 3 Ei.Y.	51.30	33.8 W.			
Mar. 2 Ei.Y.	+0.06	+0.1 E.	Mag. corr....	-0.008		6 Ei.Y.	51.35	33.8 W.			
Oct. 16 Br.	+0.03	..... W.				1905					
Dec. 23 Ei.Y.	+0.01	+0.5	B. D. +27° 771			Feb. 7 Ei.Y.	51.38	34.5 E.			
1906			$\alpha = 5^h 20^m$			1906					
Jan. 18 Ei.Y.	-0.04	+0.6	$\delta = +27^\circ 31'$			Jan. 5 Ei.Y.	51.35	33.9 W.			
31 Bs.	+0.05	+0.2	1904	s	"	Mean.....	51.345	34.00			
Feb. 9 Br.	+0.03	-0.1	Jan. 15 Ei.Y.	44.84	24.4 W.	Mag. corr....	+0.002				
10 Hl.	+0.08	+0.3	25 Ei.Y.	44.94	24.2 W.	B. D. +15° 826					
13 Br.	+0.02	+0.4	1905			$\alpha = 5^h 22^m$					
15 Hl.	+0.03	-0.3	Jan. 30 Ei.Y.	44.96	24.3 E.	$\delta = +15^\circ 47'$					
16 Br.	+0.08	-0.6	1906			1903					
24 Hl.	+0.02	+0.2	Jan. 9 Ei.Y.	44.92	24.5 W.	Dec. 22 Ei.Y.	0.83	22.6 W.			
Mar. 1 Hl.	+0.04	+0.4	Mean.....	44.915	24.35	1904					
Oct. 6 Hl.	+0.04	+0.4 W.	Mag. corr....	+0.002		Jan. 14 Ei.Y.	0.86	23.1 W.			
1907											
Nov. 28 Hl.	+0.07	..... E.									
1908											
Feb. 9 Hl.	+0.04	..... E.									
Oct. 16 P.	+0.06	0.0 W.									
18 M.	+0.08	0.0 W.									

1903	s	"	B. D. +29° 923	1904	s	"	1905	s	"
Sept. 22 R.	57.69	20.5 W.	$\alpha = 5^h 25^m$	Apr. 3 R.	-0.24	+0.6	Jan. 15 Br.	+0.04	+0.8 E.
23 L.	57.69	19.9	$\delta = +29^\circ 7'$	4 Br.	+0.03	+0.5	16 Ei. Y.	+0.01	+0.4
24 R.	57.67	19.9		5 M.	-0.09	0.0	19 Y.	+0.01	
25 L.	57.71	19.6	1903	12 M.	-0.06	+1.0	Feb. 13 Y.	+0.07	+1.3 E.
27 L.	57.68	19.4	Dec. 22 Ei. Y.	13 R.	-0.14	+0.2	Nov. 12 III.	+0.02	-0.2 W.
28 R.	57.62	20.1	1904	14 Br.	+0.01	+0.5	1906		
29 L.	57.62	20.6 W.	Jan. 14 Ei. Y.	17 R.	-0.16	-0.6	Jan. 24 Ei. Y.	+0.04	+0.5
1907			1905	20 R.	-0.09	+0.3	31 Bs.	+0.04	+0.1
Sept. 30 HI.	57.70	20.9 E.	Mar. 2 Ei. Y.	21 Br.	+0.04	+0.3	Feb. 3 HI.	+0.03	-0.3
Oct. 17 HI.	57.68	20.8	1906	22 M.	+0.23	+0.4	9 Br.	-0.01	+0.2
18 P.	57.68	20.5	Jan. 18 Ei. Y.	2 Br.	0.00	+0.7	10 HI.	+0.06	+1.1
1908			Mean.....	3 M.	+0.15	-0.6	13 Br.	0.00	+0.7
Jan. 14 P.	57.62	20.0	53.110	8 R.	+0.12	+0.1	16 Br.	+0.04	-0.1
17 P.M.	57.68	20.7	Mag. corr....	13 M.	-0.17	-0.5	Mar. 1 HI.	+0.03	+0.4
1909			B. D. +26° 835	16 Br.	-0.09	+0.6	Sept. 24 P.	+0.03	+0.5
Dec. 15 L.	57.72	21.2 E.	$\alpha = 5^h 26^m$	July 1 Br.	+0.04	... W.	Oct. 7 HI.	-0.01	+1.8 W.
Mean.....	57.673	20.38	$\delta = +26^\circ 54'$	1907			1907		
Mag. corr....	0.000	[20.00]	1903	May 12 M.	+0.11	+0.2 E.	Sept. 30 HI.	+0.05	+0.9 E.
			Dec. 11 Ei. Y.	13 HI.	+0.21	0.0	Nov. 28 HI.	+0.09	...
			1904	July 8 HI.	-0.01	0.0	Dec. 28 P.	+0.06	...
			Feb. 3 Ei. Y.	21 HI.	+0.08	-0.1	1908		
			1905	31 P.	+0.15	-0.1 E.	Jan. 15 HI.	+0.02	...
			Feb. 24 Ei. Y.	Mean.....	+0.001	+0.22	Feb. 1 P.	-0.01	...
			1906	Mag. corr....	+0.011		3 P.	-0.02	...
			Jan. 6 Ei. Y.				4 P.	+0.01	...
			Mean.....				6 P.	+0.02	...
			12.922				9 HI.	-0.01	...
			Mag. corr....				12 P.	-0.04	... E.
			+0.010				Oct. 14 P.	+0.07	... W.
							18 M.	+0.03	...
							1909		
							Mar. 1 M.	+0.03	+0.1 W.
							Sept. 1 L.	[+0.06]	[+1.4] E.
							10 L.	[-0.05]	[-0.4]
							12 M.	[+0.09]	[+0.5]
							14 M.	[+0.05]	[+0.3]
							17 P.	[+0.02]	[+0.5]
							19 M.	...	+0.7
							24 P.	-0.02	+0.5
							26 M.	+0.06	+0.2
							27 P.	-0.02	+1.2
							29 P.	-0.01	+0.6
							30 M.	+0.06	+0.7
							Oct. 1 L.	+0.04	+0.4
							4 P.	+0.06	+0.6
							5 L.	+0.05	+1.1
							6 M.	+0.03	+0.5
							7 P.	0.00	+0.6
							8 L.	+0.02	+0.6
							11 P.	+0.02	+1.8
							12 L.	+0.05	+1.5
							19 M.	+0.02	+0.1
							21 M.	+0.04	+0.4
							24 M.	+0.07	+0.8
							25 P.	+0.16	+0.5
							26 L.	+0.07	+0.8
							27 M.	0.00	+1.2
							28 P.	+0.05	+1.1
							29 L.	+0.09	+0.8
							31 M.	+0.03	-0.1
							Nov. 3 M.	+0.05	+1.4
							4 L.	+0.04	+1.2
							10 M.	+0.02	+0.3
							11 L.	+0.01	+0.7
							12 M.	+0.08	+0.5
							15 M.	+0.02	+0.1
							19 L.	+0.10	+0.1
							22 P.	+0.06	+0.1
							25 P.	0.00	+0.2
							26 L.	+0.03	+1.1
							28 M.	+0.06	0.0
							29 P.	+0.04	+0.1
							30 L.	-0.01	+0.6
							Dec. 1 M.	+0.01	+0.8
							3 L.	+0.03	+0.7
							5 M.	+0.03	+0.1
							6 L.	+0.08	+1.1
							9 L.	+0.03	+1.2 E.

1909			1910			1911			1903		
	s	"		s	"		s	"		s	"
Dec. 10 M.	0.00	+0.9 E.	Oct. 17 P.	+0.09	+1.0 E.	Mar. 31 P.	[-0.04]	[-0.7] E.	Oct. 22 Ei.Y.	-0.04	-0.5 W.
14 M.	0.00	+1.1	20 P.	+0.04	+0.3	Apr. 6 M.	[-0.07]	[-0.8] E.	27 Ei.Y.	-0.02	...
15 L.	+0.05	+0.2	22 P.	+0.02	+1.0				1905		
16 M.	+0.06	+0.6	23 M.	+0.01	-0.1	Mean.....	+0.032	+0.62	Oct. 16 Br.	0.00	... W.
17 L.	+0.03	+0.7	24 P.	+0.01	+0.1	Mag. corr....	+0.003		1908		
21 P.	0.00	+0.7	25 L.	+0.05	+1.5		[-0.001][+0.13]		Jan. 17 P.M.	-0.01	+0.7 E.
22 L.	+0.01	+0.6	26 M.	+0.05	+0.2	19 Camelopardalis					
28 L.	+0.01	+0.2	28 L.	+0.06	+0.9	$\alpha = 5^h 27^m$			18 M.P.	0.00	+1.3
31 P.	-0.02	+0.8	30 M.	+0.03	+0.4	$\delta = +64^\circ 5'$			24 Hl.	+0.04	0.0
1910			31 P.	+0.07	+0.3				25 Hl.	-0.04	+1.0
Jan. 3 P.	0.00	+0.6	Nov. 1 M.	+0.04	0.0	1905			Feb. 1 P.	+0.04	...
7 P.	+0.07	+1.3	4 L.	+0.04	+0.3	Oct. 11 Bs.	34.14	22.2 W.	4 P.	+0.08	+0.7
8 L.	-0.02	+0.3	8 L.	+0.04	+0.4	1907			7 P.	+0.06	...
10 M.	-0.02	+0.5	11 L.	+0.13	+0.7	Sept. 25 M.	34.41	22.5 E.	12 P.	+0.06	... E.
15 L.	+0.05	+0.7	14 P.	+0.08	+0.5	Oct. 9 P.	34.38	22.5	Oct. 18 M.	-0.02	... W.
16 P.	+0.04	+0.4	17 P.	+0.02	+1.5	15 P.	34.35	23.2	1909		
19 L.	+0.06	+0.9	19 P.	-0.02	+0.8	1908			Jan. 3 P.	-0.02	0.0
23 P.	+0.03	+0.6	20 M.	-0.01	+0.2	Jan. 27 P.	34.37	22.0	20 L.	+0.08	+0.3 W.
25 P.	+0.06	+0.8	21 P.	+0.02	+0.9	29 P.	34.36	22.1 E.	Oct. 2 P.	+0.04	+1.1 E.
Feb. 1 M.	+0.08	+1.2	22 L.	+0.06	+1.1	28 P.	34.26	22.3 W.	5 L.	+0.09	+0.8
2 P.	+0.01	0.0	25 L.	+0.03	+1.4	Oct. 11 M.	34.18	23.1	8 L.	+0.08	+0.5
4 P.	+0.08	0.0	29 L.	+0.07	+1.5	12 P.	34.22	22.0	12 L.	+0.01	+1.8
5 L.	0.00	+0.5	Dec. 1 P.	+0.05	+1.0	15 M.	34.30	22.7	26 L.	+0.04	+1.0
18 P.	+0.05	-0.5	3 L.	+0.03	+0.3	16 P.	34.41	22.1 W.	27 M.	+0.04	+1.7
19 L.	+0.01	-0.2	7 L.	+0.05	+1.3	Mean.....	34.307	22.43	28 P.	+0.06	+1.2
22 P.	+0.04	+0.8	8 M.	+0.04	+0.9	Mag. corr....	+0.012		29 L.	+0.08	+0.4
25 P.	+0.05	+0.7	9 P.	+0.02	+0.9	B. D. +18° 877					
Mar. 3 M.	+0.04	+0.2	12 P.	+0.02	+0.4	$\alpha = 5^h 27^m$			Nov. 3 M.	+0.03	+1.0
4 P.	-0.02	+1.2	13 M.	+0.04	+1.1	$\delta = +18^\circ 28'$			4 L.	+0.03	+1.3
5 L.	+0.06	+0.3	14 L.	+0.06	+0.4	1904			10 M.	+0.09	+0.7
7 M.	+0.04	+0.9	15 M.	+0.02	+1.0	Jan. 27 Ei.Y.	40.00	9.3 W.	Dec. 14 M.	+0.09	+0.2
8 P.	+0.02	+1.4	17 L.	+0.04	+0.6	30 Ei.Y.	40.04	8.6 W.	15 L.	-0.01	0.0
14 M.	[-0.01]	+0.8	20 P.	+0.02	+0.7	1905			16 M.	-0.01	+0.6
15 L.	[+0.02]	+0.7	21 L.	+0.02	+0.4	Jan. 18 Ei.M.	39.98	8.4 E.	1910		
16 M.		+0.2	26 P.	+0.01	+0.1	1906			Nov. 6 M.	-0.03	+1.2
17 L.	[+0.01]	+0.1	1911			Jan. 29 Ei.Y.	39.97	9.0 W.	8 L.	+0.02	+0.4
18 P.	[+0.05]	0.0	Jan. 4 L.	+0.03	+0.7	Mean.....	39.998	8.82	11 L.	+0.06	+0.8
19 M.	[+0.01]	+0.3	5 M.	+0.02	+0.7	Mag. corr....	-0.005		16 M.	-0.01	-0.1
21 M.	[+0.01]	0.0	6 P.	+0.02	+0.8	B. D. +20° 989					
22 P.	[+0.02]	-0.2	7 L.	+0.04	+0.4	$\alpha = 5^h 27^m$			21 P.	+0.03	-0.1
23 L.	[-0.07]	+0.6	9 M.	+0.01	+0.4	$\delta = +20^\circ 24'$			22 L.	-0.02	+0.8
24 M.	[-0.05]	-0.5	10 P.	-0.04	+0.7	1904			1911		
25 P.	[+0.07]	+0.1	15 M.	+0.06	+0.8	Feb. 3 Ei.Y.	42.09	12.0 W.	Jan. 19 M.	+0.04	+0.4
Apr. 2 L.	[-0.01]	-0.4	16 P.	+0.03	+0.6	4 Ei.Y.	42.12	12.8 W.	23 M.	+0.07	+0.7
8 P.	0.00	-0.2	18 L.	+0.05	+0.7	1905			30 M.	+0.02	+1.1
9 L.	[-0.05]	-0.2	19 M.	+0.05	+1.2	Feb. 10 Ei.Y.	42.10	12.9 E.	Feb. 10 P.	+0.04	+1.1
11 M.		0.0	20 P.	+0.04	+0.9	1906			17 P.	+0.02	0.0 E.
13 L.	[-0.05]	+0.9	23 M.	+0.03	+0.5	Mean.....	42.120	12.50	Mean.....	+0.029	+0.70
14 M.	[-0.10]	-0.9	24 P.	-0.02	+0.4	Mag. corr....	+0.022		Mag. corr....	+0.002	
19 P.	[+0.01]	+0.4	25 L.	+0.05	+0.8	B. D. +22° 949					
22 P.	[+0.04]	-0.2	28 L.	+0.04	+1.1	$\alpha = 5^h 28^m$			$\delta = +22^\circ 30'$		
23 M.	[-0.03]	-0.6	30 M.	+0.03	+1.7	1904			1903		
Aug. 27 L.	[-0.02]	+0.4	Feb. 4 L.	+0.01	+0.7	Feb. 3 Ei.Y.	42.09	12.0 W.	Nov. 3 Ei.Y.	53.67	4.2 W.
30 P.	[+0.04]	+0.1	7 P.	+0.08	+1.0	4 Ei.Y.	42.12	12.8 W.	6 Ei.Y.	53.71	3.6 W.
Sept. 5 P.	[-0.08]	0.0	10 P.	+0.03	+1.4	1905			1905		
6 M.	[-0.04]	-0.1	13 L.	+0.01	+0.3	Feb. 10 Ei.Y.	42.10	12.9 E.	Feb. 7 Ei.Y.	53.77	4.4 E.
7 P.	[+0.05]	+0.4	17 P.	+0.05	+0.4	1906			1906		
9 P.	[-0.02]	0.0	21 P.	0.00	+1.7	Jan. 10 Ei.Y.	42.17	12.3 W.	Jan. 5 Ei.Y.	53.74	3.9 W.
12 M.	[-0.02]	0.0	23 M.	+0.01	+0.6	Mean.....	42.120	12.50	Mean.....	53.722	4.02
14 M.	[-0.02]	+1.0	24 P.	-0.07	+0.3	Mag. corr....	+0.022		Mag. corr....	-0.005	
15 P.	[-0.04]	+0.1	25 L.	+0.01	+0.8	α Leporis					
20 M.	+0.01	+0.5	27 M.	+0.04	+1.2	$\alpha = 5^h 28^m 19^s.185$			$\delta = +9^\circ 25'$		
21 L.	+0.04	+1.6	Mar. 1 L.	+0.03	+1.0	$\delta = -17^\circ 53' 37''.65$			1907		
22 M.	+0.04	+0.4	3 P.	-0.04	+0.9	1903			Oct. 21 Hl.	19.82	19.2 E.
24 M.	+0.05	+0.1	6 M.	+0.08	+0.6	Sept. 4 L.			1908		
25 M.	+0.03	+0.5	8 L.	+0.04	+0.5	6 L.			Jan. 12 P.	19.82	18.9
26 P.	+0.02	+0.2	9 M.	+0.02	+0.4	11 L.	[-0.05]	[+2.6]	14 P.	19.81	20.0
27 L.	0.00	+0.6	10 P.	+0.03	+0.9	13 L.	[+0.06]	[+1.2]	30 M.	19.83	19.8
28 M.	+0.04	+0.1	11 L.	+0.03	+0.8	18 L.	[+0.01]	[+1.3]	Feb. 3 P.	19.87	19.6 E.
Oct. 2 M.	+0.04	+0.8	16 M.	[+0.04]	[+0.4]	21 L.	+0.04	+2.0	Oct. 7 M.	19.90	19.6 W.
3 P.	+0.03	+0.6	17 P.	0.00	0.0	22 R.	+0.10	-0.1	13 M.	19.85	19.3 W.
4 L.	+0.04	+0.7	21 P.	[+0.01]	[+0.1]	23 L.	+0.01	+0.3			
9 M.	+0.05	+1.1	23 M.	0.00	[+0.4]	25 L.	+0.02	+0.6			
10 P.	+0.05	+0.3	24 P.	0.00	[+0.1]	27 L.	+0.01	+1.1			
11 L.	+0.02	+1.1	25 L.	0.00	0.0	28 R.	+0.08	+1.7			
13 P.	+0.04	+0.2 E.	28 P.	[-0.07]	[+0.4] E.	29 L.	0.00	+1.0			

1908			1910			θ^1 Orionis			1909		
Oct. 14 P.	19.81	19.9 W.	Mar. 3 M.	+0.37	+0.8 E.	$\alpha = 5^h 30^m$			Oct. 12 L.	+0.06	+1.3 E.
Nov. 1 M.	19.78	19.3	5 L.	+0.39	+0.6	$\delta = -5^\circ 27'$			29 L.	+0.05	+1.1
8 M.	19.81	19.5 W.	7 M.	+0.44	+0.1				Nov. 4 L.	+0.04	+2.0
Mean.....	19.830	19.51	8 P.	+0.09	+0.1	1906	s	"	11 L.	+0.04	+0.7
Mag. corr....	+0.004		14 M.	[+0.25]	[+0.6]	Oct. 6 Hl.	21.71	18.5 W.	15 M.	+0.06	+0.5
			15 L.	[+0.43]	[+0.4]	1907			19 L.	+0.07	+0.6
B. D. +23° 954			18 P.	+0.45	+1.3	Oct. 20 M.	21.72	19.3 E.	1910		
$\alpha = 5^h 29^m$			19 M.	[+0.51]	[+1.2]	1908			Feb. 1 M.	+0.02	+1.9
$\delta = +23^\circ 58'$			21 M.	[+0.29]	[+1.0]	Jan. 17 P.M.	21.76	19.1	Oct. 20 P.	+0.03	+1.2
1903	s	"	1911			18 M.P.	21.77	18.9	24 P.	+0.01	+1.0
Dec. 22 Ei.Y.	20.62	23.5 W.	Mar. 1 L.	+0.66	...	Feb. 4 P.	21.74	19.5	25 L.	+0.03	+1.4
1904			3 P.	+0.28	+0.4	6 P.	21.77	19.8 E.	26 M.	+0.01	+0.8
Jan. 14 Ei.Y.	20.62	23.3 W.	9 M.	[+0.26]	[+0.5]	Oct. 18 M.	21.75	20.1 W.	28 L.	-0.03	+1.9
1905			10 P.	[+0.68]	[+0.7]	20 L.	21.72	20.5	30 M.	+0.02	+1.3
Mar. 2 Ei.Y.	20.69	24.0 E.	11 L.	[+0.14]	[+0.2]	29 P.	21.78	20.3	31 P.	+0.01	+0.9
1906			17 P.	[+0.24]	[+0.8]	30 L.	21.80	19.2 W.	Nov. 1 M.	0.00	+0.6
Jan. 18 Ei.Y.	20.67	24.1 W.	21 P.	[+0.49]	[+1.0] E.	Mean.....	21.752	19.52	4 L.	-0.03	+0.7
Mean.....	20.650	23.72	Mean.....	+0.339	+0.42	Mag. corr....	-0.001		6 M.	+0.01	+1.4 E.
Mag. corr....	-0.002		Mag. corr....	+0.010					Mean.....	+0.029	+1.06
				[+0.374]	[+0.77]	θ^2 Orionis			Mag. corr....	+0.001	
B. D. +27° 806			158 H ¹ . Cephei s. p.			$\alpha = 5^h 30^m$			22 Camelopardalis		
$\alpha = 5^h 29^m$			$\alpha = 5^h 29^m 54^s.450$			$\delta = -5^\circ 28'$			$\alpha = 5^h 30^m$		
$\delta = +27^\circ 35'$			$\delta = +85^\circ 8' 49''.57$			1907	s	"	$\delta = +56^\circ 18'$		
1903	s	"	1905	s	"	Oct. 8 M.	28.25	53.1 E.	1906	s	"
Dec. 11 Ei.Y.	38.91	50.3 W.	Apr. 23 Y.	+0.36	0.0 E.	9 P.	28.28	54.0	Feb. 7 Bs.	38.54	9.7 W.
1904			24 Br.	+0.10	+0.6 E.	14 Hl.	28.18	53.9	Mar. 2 Br.	38.54	9.6 W.
Feb. 6 Ei.Y.	38.92	49.6 W.	Aug. 17 M.	+0.59	+0.8 W.	1908			1907		
1905			18 Br.	+0.66	+0.6 W.	Jan. 27 P.	28.21	53.7	Oct. 17 Hl.	38.60	9.7 E.
Feb. 24 Ei.Y.	38.89	50.2 E.	1907			29 P.	28.26	54.1 E.	18 P.	38.61	8.7
1906			July 20 M.	....	+0.4 E.	Oct. 20 L.	28.26	.... W.	1908		
Jan. 6 Ei.Y.	38.86	50.5 W.	27 P.	+0.97	+1.1	30 L.	28.30	53.2	Jan. 24 Hl.	38.62	8.9
Mean.....	38.895	50.15	Aug. 13 P.	+0.18	0.0	Nov. 10 L.P.	28.24	54.1	25 Hl.	38.62	9.3
Mag. corr....	+0.017		20 P.	-0.12	+0.4 E.	1909			Feb. 19 P.	38.51	8.8 E.
			1908			Jan. 3 P.	28.24	54.1	Oct. 15 M.	38.59	9.4 W.
B. D. +24° 873			May 1 Fk.	-0.25	-1.5 W.	20 L.	28.31	53.4 W.	16 P.	38.58	9.4
$\alpha = 5^h 29^m$			10 M.	+0.22	-0.5	Mean.....	28.253	53.73	1909		
$\delta = +24^\circ 41'$			July 20 M.	+0.25	+0.7	Mag. corr....	-0.001		Jan. 26 L.	38.44	9.2 W.
1904	s	"	Aug. 9 Fk.	+0.44	+0.6 W.				Mean.....	38.565	9.27
Jan. 15 Ei.Y.	50.03	1.0 W.	1909			ϵ Orionis			Mag. corr....	+0.004	
25 Ei.Y.	50.04	0.3 W.	Sept. 28 P.	[+0.17]	[+0.4] E.	$\alpha = 5^h 30^m 32^s.482$			B. D. +26° 870 (mean)		
1905			29 L.	[-0.24]	....	$\delta = -5^\circ 58' 31''.72$			$\alpha = 5^h 30^m$		
Jan. 30 Ei.Y.	50.11	0.8 E.	30 P.	[+0.04]	[+3.0]	1904	s	"	$\delta = +26^\circ 51'$		
1906			1910			Mar. 2 R.	-0.01	+1.2 W.	1904	s	"
Jan. 9 Ei.Y.	50.09	0.5 W.	Mar. 14 L.	[+0.92]	[+0.6]	5 R.	+0.04	+1.0	Jan. 27 Ei.Y.	54.14	43.6 W.
Mean.....	50.068	0.65	15 M.	[+0.40]	[+0.1]	8 Br.	+0.03	+1.3 W.	30 Ei.Y.	54.14	43.1 W.
Mag. corr....	-0.005		18 M.	[+0.11]	[+0.4]	Oct. 4 M.	-0.01	+0.5 E.	1905		
			20 M.	[+0.21]	[+0.7]	9 M.	+0.02	0.0	Jan. 18 Ei.M.	54.10	42.9 E.
158 H ¹ . Cephei			21 P.	[+0.24]	[+0.7]	13 Br.	+0.07	-0.1	1906		
$\alpha = 5^h 29^m 54^s.451$			24 P.	+0.89	+0.2	17 Br.	+0.07	+0.5 E.	Jan. 29 Ei.Y.	54.10	43.8 W.
$\delta = +85^\circ 8' 49''.57$			Apr. 6 M.	+0.02	+0.6	1905			Mean.....	54.120	43.35
1905	s	"	1911			Oct. 16 Br.	+0.04	... W.	Mag. corr....	+0.027	
Jan. 20 Br.	+0.41	+0.7 E.	Mar. 6 P.	[+0.64]	[+0.4]	Nov. 12 Hl.	+0.09	+0.3	ϵ Orionis		
Feb. 16 Y.	+0.41	+0.7	10 L.	[+0.09]	[+1.1]	1906			$\alpha = 5^h 31^m 8^s.339$		
17 Br.	+0.38	+1.1 E.	16 P.	[+0.64]	[+0.8]	Feb. 3 Hl.	+0.08	+0.6	$\delta = -1^\circ 15' 56''.38$		
1906			24 L.	+0.18	+0.3	23 Bs.	+0.03	+1.3	1904	s	"
Feb. 15 Hl.	+0.53	-0.2 W.	27 P.	+0.21	-0.2	Sept. 24 P.	-0.02	+1.4	Mar. 1 Br.	-0.02	+1.1 W.
16 Br.	+0.37	+0.5	30 P.	+1.15	+0.5	Oct. 7 Hl.	+0.03	+2.2 W.	4 M.	-0.03	+0.5 W.
24 Hl.	+0.12	+0.5 W.	Apr. 9 M.	-0.55	+0.1 E.	1907			1905		
1907			Mean.....	+0.312	+0.26	Nov. 28 Hl.	0.00	... E.	Feb. 13 Y.	+0.05	+1.0 E.
Oct. 1 P.	+0.03	-0.3 E.	Mag. corr....	+0.012		Dec. 28 P.	+0.05	...	Oct. 4 Hl.	+0.06	-0.6 W.
2 M.	+0.68	+0.2 E.		[+0.293]	[+0.82]	1908			5 Br.	+0.01	+0.3 W.
1908			B. D. +25° 879			Feb. 1 P.	-0.02	...	1908		
Nov. 10 L. P.	+0.56	+0.6 W.	$\alpha = 5^h 30^m$			9 Hl.	+0.03	+0.3 E.	Jan. 15 Hl.	+0.05	+0.1 E.
1909			$\delta = +25^\circ 52'$			1909			16 Hl.	+0.06	+0.4
Jan. 25 M.	+0.45	+0.3 W.	1903	s	"	Feb. 18 M.	+0.08	+1.3 W.	Feb. 7 P.	+0.08	+0.2
Sept. 24 P.	+0.08	+0.7 E.	Nov. 9 Ei.Y.	18.33	29.5 W.	20 L.	+0.05	+1.5	12 P.	+0.04	+0.3 E.
26 M.	+0.45	+0.7	1904			25 M.	+0.03	+1.2	1909		
30 M.	0.00	+1.1	Feb. 3 Ei.Y.	18.28	29.8 W.	26 P.	+0.03	+0.8	Feb. 1 M.	+0.05	+0.2 W.
Oct. 1 L.	-0.07	+0.1	1905			28 P.	+0.04	+0.7	2 P.	+0.03	-0.1
4 P.	+0.48	-0.4 E.	Jan. 27 Ei.Y.	18.31	30.3 E.	Mar. 5 P.	+0.04	+0.8 W.	6 L.	+0.01	+1.7 W.
			Dec. 26 Ei.Y.	18.28	30.2 W.	Oct. 2 P.	+0.05	+1.0 E.			
			Mean.....	18.300	29.95	6 M.	+0.02	+1.5			
			Mag. corr....	+0.020		7 P.	-0.01	+1.4			
						8 L.	+0.05	+1.2			
						11 P.	+0.02	+2.2 E.			

1909	s	"	1903	s	"	1906	s	"	B. D. +19° 1014		
Feb. 16 P.	+0.04	+1.0 W.	Sept. 11 L.	[+0.03]	[+0.9] W.	Jan. 6 Ei.Y.	12.77	59.4 W.	$\alpha = 5^h 35^m$ $\delta = +20^\circ 0'$		
17 L.	+0.02	+1.9	12 R.	[+0.02]	[+1.2]	Mean.....	12.782	59.50	1904	s	"
25 M.	+0.04	+1.2	13 L.	[+0.03]	[+1.0]	Mag. corr....	-0.005		Jan. 27 Ei.Y.	15.88	35.9 W.
26 P.	+0.01	+0.3	15 L.	[+0.09]	[+0.9]				30 Ei.Y.	15.88	35.6 W.
28 P.	+0.04	+0.6	18 L.	+0.01	+1.3				1905		
Mar. 1 M.	+0.07	-0.2	21 L.	+0.01	+0.2	B. D. +29° 947			Jan. 18 Ei.M.	15.83	35.8 E.
5 P.	+0.04	+0.3 W.	24 R.	+0.04	+1.6	$\alpha = 5^h 32^m$ $\delta = +29^\circ 9'$			1906		
Oct. 19 M.	-0.01	+0.2 E.	25 L.	+0.04	+0.9				Jan. 29 Ei.Y.	15.87	36.1 W.
21 M.	0.00	-0.2	27 L.	-0.02	+1.4				Mean.....	15.865	35.85
24 M.	.....	+0.5	29 L.	+0.01	+0.8				Mag. corr....	-0.002	
26 L.	+0.07	+0.6	Oct. 1 L.	0.00	+0.4				B. D. +16° 841		
27 M.	+0.02	+1.4	1904			1904	s	"	$\alpha = 5^h 35^m$ $\delta = +16^\circ 28'$		
28 P.	+0.09	+1.0	Jan. 14 Ei.Y.	+0.05	+0.6	Jan. 15 Ei.Y.	56.73	27.4 W.	1904	s	"
Nov. 12 M.	+0.04	0.0	Feb. 6 Ei.Y.	+0.05	-0.2	25 Ei.Y.	56.77	26.9 W.	Feb. 3 Ei.Y.	30.85	56.5 W.
25 P.	+0.04	+0.3	8 Ei.Y.	+0.06	+0.8	1905			4 Ei.Y.	30.93	56.8 W.
26 L.	+0.04	+0.6	9 Ei.Y.	+0.03	+0.9	Jan. 30 Ei.Y.	56.77	28.0 E.	1905		
30 L.	+0.09	+0.5	15 Ei.Y.	+0.06	+1.0 W.	1906			Feb. 10 Ei.Y.	30.95	55.8 E.
Dec. 5 M.	+0.06	+0.6	1905			Jan. 9 Ei.Y.	56.78	27.6 W.	1906		
Sept. 21 L.	0.00	+0.9	Jan. 16 Ei.Y.	+0.01	+0.8 E.	Mean.....	56.762	27.48	Jan. 10 Ei.Y.	30.96	55.4 W.
25 M.	+0.04	+0.2	30 Ei.Y.	+0.04	+1.5	Mag. corr....	+0.023		Mean.....	30.922	56.12
27 L.	+0.06	+0.6	Mar. 2 Ei.Y.	+0.02	+1.0				Mag. corr....	+0.002	
Oct. 4 L.	+0.05	+0.6	6 Ei.Y.	+0.05	+0.9 E.	B. D. +25° 902			B. D. +17° 979		
9 M.	-0.01	+0.8	Dec. 26 Ei.Y.	+0.01	+0.2 W.	$\alpha = 5^h 33^m$ $\delta = +25^\circ 50'$			$\alpha = 5^h 35^m$ $\delta = +17^\circ 28'$		
10 P.	+0.04	+0.2	1906			1903	s	"	1904	s	"
11 L.	+0.03	+0.9	Jan. 18 Ei.Y.	+0.03	+0.5	Nov. 9 Ei.Y.	32.33	27.7 W.	Feb. 6 Ei.Y.	33.36	12.5 W.
13 P.	+0.03	+0.2	24 Ei.Y.	-0.01	+0.8 W.	1904			8 Ei.Y.	33.41	13.2 W.
17 P.	+0.04	+0.8 E.	1907			Jan. 30 Ei.Y.	32.36	28.2 W.	1905		
Mean.....	+0.037	+0.54	Oct. 4 P.	+0.02	+1.6 E.	1905			Feb. 7 Ei.Y.	33.42	13.2 E.
Mag. corr....	+0.007		6 M.	+0.03	+0.4	Jan. 27 Ei.Y.	32.36	28.4 E.	1906		
B. D. +16° 821			13 M.	+0.06	+0.3	1906			Jan. 5 Ei.Y.	33.37	13.0 W.
$\alpha = 5^h 31^m$			16 M.	+0.02	+0.6	Jan. 24 Ei.Y.	32.33	28.0 W.	Mean.....	33.390	12.98
$\delta = +16^\circ 50'$			Nov. 28 Hl.	-0.04	...	Mean.....	32.345	28.08	Mag. corr....	+0.003	
1910	s	"	Feb. 1 P.	+0.04	...	Mag. corr....	+0.001		ζ Orionis		
Feb. 19 L.	9.59	44.0 E.	1909			σ Orionis			$\alpha = 5^h 35^m 42^s.777$ $\delta = -1^\circ 59' 43''.79$		
22 P.	9.61	45.2	Sept. 6 P.	[+0.04]	[+0.5]	$\alpha = 5^h 33^m$ $\delta = -2^\circ 39'$			1903	s	"
25 P.	9.61	45.1	Oct. 30 P.	+0.03	+0.6	1904	s	"	Nov. 3 Ei.Y.	0.00	+0.7 W.
Mar. 4 P.	9.53	44.6 E.	31 M.	+0.04	+0.8	Oct. 3 Br.	43.54	26.9 E.	6 Ei.Y.	-0.01	...
Mean.....	9.585	44.72	Nov. 3 M.	+0.06	+1.2	16 M.	43.53	27.6	11 Ei.Y.	+0.04	+1.0
Mag. corr....	-0.006		10 M.	+0.02	+1.2	18 M.	43.59	27.5	1904		
B. D. +16° 822			11 L.	+0.03	+0.7	21 Y.	43.63	27.0	Feb. 11 Br.	-0.02	+1.4
$\alpha = 5^h 31^m$			15 M.	+0.02	+0.9	Dec. 22 Br.	43.54	27.8 E.	Mar. 2 R.	-0.03	+1.6
$\delta = +16^\circ 58'$			22 P.	+0.01	+0.4	1908			4 M.	-0.07	+1.8 W.
1904	s	"	27 P.	+0.03	+0.8	Oct. 7 M.	43.57	27.0 W.	1905		
Feb. 3 Ei.Y.	15.50	43.5 W.	28 M.	+0.03	-0.1	18 M.	43.56	27.7	Jan. 16 Ei.Y.	+0.03	+1.7 E.
4 Ei.Y.	15.49	43.7 W.	29 P.	+0.06	+0.7	Nov. 1 M.	43.60	27.9	Feb. 13 Y.	-0.06	+0.9 E.
1905			1910			8 M.	43.56	27.5 W.	Nov. 11 Hl.	0.00	+0.8 W.
Feb. 10 Ei.Y.	15.55	43.3 E.	Feb. 18 P.	+0.04	-0.1	Mean.....	43.569	27.43	1906		
1906			Mar. 16 M.	.....	[0.0]	Mag. corr....	-0.008		Feb. 9 Br.	+0.02	+0.1
Jan. 10 Ei.Y.	15.55	43.0 W.	Apr. 14 M.	[+0.15]	[+1.1]	23 Camelopardalis			10 Hl.	-0.05	+0.5
Mean.....	15.522	43.38	Sept. 24 M.	+0.03	+0.6	$\alpha = 5^h 34^m$ $\delta = +61^\circ 25'$			13 Br.	+0.01	+1.2
Mag. corr....	-0.003		28 M.	+0.05	+0.4	1904	s	"	23 Bs.	+0.06	+1.4
B. D. +19° 986			Oct. 22 P.	0.00	+0.9	Mar. 1 Br.	56.65	36.7 W.	Mar. 1 Hl.	-0.04	+1.0
$\alpha = 5^h 31^m$			23 M.	+0.03	+0.1	Oct. 4 M.	56.76	37.1 E.	2 Br.	+0.05	+0.9
$\delta = +19^\circ 43'$			Nov. 17 P.	0.00	+1.4	9 M.	56.59	37.4	Oct. 6 Hl.	-0.03	+1.7
1903	s	"	Dec. 15 M.	+0.07	+0.4	13 Br.	56.61	37.1	11 Hl.	-0.01	+1.2 W.
Nov. 3 Ei.Y.	39.44	5.8 W.	1911			14 Y.	56.71	36.3	1907		
6 Ei.Y.	39.39	6.1 W.	Jan. 19 M.	+0.10	+1.2	17 Br.	56.70	36.2 E.	Sept. 30 Hl.	0.00	+1.1 E.
1905			23 M.	+0.04	+1.2	Mean.....	56.569	36.6	Oct. 18 P.	-0.02	+1.1
Feb. 7 Ei.Y.	39.46	6.6 E.	30 M.	+0.04	+1.2	1905			Nov. 28 Hl.	-0.02	...
1906			Mar. 6 M.	-0.03	+1.4	1909			Dec. 28 P.	+0.02	...
Jan. 5 Ei.Y.	39.46	5.8 W.	8 L.	+0.01	+1.3 E.	Jan. 3 P.	56.62	37.1	1908		
Mean.....	39.438	6.08	Mean.....	+0.028	+0.79	20 L.	56.69	37.0 W.	Jan. 16 Hl.	-0.01	+1.4
Mag. corr....	-0.008		Mag. corr....	+0.001		Mean.....	56.643	36.87	27 P.	-0.06	+1.9
B. D. +30° 963			[+0.013][+0.81]			Mag. corr....	+0.010		29 P.	-0.06	+0.6
$\alpha = 5^h 32^m$									Feb. 7 P.	+0.04	+1.4
$\delta = +30^\circ 25'$									9 Hl.	-0.02	+0.5 E.
ζ Tauri											
$\alpha = 5^h 31^m 40^s.086$											
$\delta = +21^\circ 4' 53''.42$											
1903	s	"									
Sept. 4 L.	.....	[+1.3] W.									
6 L.	[+0.03]	[+2.6] W.									
1903	s	"									
Sept. 11 L.	.....	[+0.9] W.									
12 R.	[+0.02]	[+1.2]									
13 L.	[+0.03]	[+1.0]									
15 L.	[+0.09]	[+0.9]									
18 L.	+0.01	+1.3									
21 L.	+0.01	+0.2									
24 R.	+0.04	+1.6									
25 L.	+0.04	+0.9									
27 L.	-0.02	+1.4									
29 L.	+0.01	+0.8									
Oct. 1 L.	0.00	+0.4									
1904											
Jan. 14 Ei.Y.	+0.05	+0.6									
Feb. 6 Ei.Y.	+0.05	-0.2									
8 Ei.Y.	+0.06	+0.8									
9 Ei.Y.	+0.03	+0.9									
15 Ei.Y.	+0.06	+1.0 W.									
1905											
Jan. 16 Ei.Y.	+0.01	+0.8 E.									
30 Ei.Y.	+0.04	+1.5									
Mar. 2 Ei.Y.	+0.02	+1.0									
6 Ei.Y.	+0.05	+0.9 E.									
Dec. 26 Ei.Y.	+0.01	+0.2 W.									
1906											
Jan. 18 Ei.Y.	+0.03	+0.5									
24 Ei.Y.	-0.01	+0.8 W.									
1907											
Oct. 4 P.	+0.02	+1.6 E.									
6 M.	+0.03	+0.4									
13 M.	+0.06	+0.3									
16 M.	+0.02	+0.6									
Nov. 28 Hl.	-0.04	...									
1908											
Feb. 1 P.	+0.04	...									
1909											
Sept. 6 P.	[+0.04]	[+0.5]									
Oct. 30 P.	+0.03	+0.6									
31 M.	+0.04	+0.8									
Nov. 3 M.	+0.06	+1.2									
10 M.	+0.02	+1.2									
11 L.	+0.03	+0.7									
15 M.	+0.02	+0.9									
22 P.	+0.01	+0.4									
27 P.	+0.03	+0.8									
28 M.	+0.03	-0.1									
29 P.	+0.06	+0.7									
1910											
Feb. 18 P.	+0.04	-0.1									
Mar. 16 M.	.....	[0.0]									
Apr. 14 M.	[+0.15]	[+1.1]									
Sept. 24 M.	+0.03	+0.6									
28 M.	+0.05	+0.4									
Oct. 22 P.	0.00	+0.9									
23 M.	+0.03	+0.1									
Nov. 17 P.	0.00	+1.4									
Dec. 15 M.	+0.07	+0.4									
1911											
Jan. 19 M.	+0.10	+1.2									
23 M.	+0.04	+1.2									
30 M.	+0.04	+1.2									
Mar. 6 M.	-0.03	+1.4									
8 L.	+0.01	+1.3 E.									
Mean.....	+0.028	+0.79									
Mag. corr....	+0.001										
B. D. +30° 963											
$\alpha = 5^h 32^m$											
$\delta = +30^\circ 25'$											
1903	s	"									
Dec. 11 Ei.Y.	12.78	59.4 W.									
1904											
Jan. 27 Ei.Y.	12.84	59.5 W.									
1905											
Feb. 24 Ei.Y.	12.74	59.7 E.									

1908			1910			1910			1905		
	s	"		s	"		s	"		s	"
Feb. 12 P.	0.00	+1.2 E.	Feb. 19 L.	-0.02	+0.9 E.	Dec. 8 M.	-0.03	+2.2 E.	Feb. 24 Ei.Y.	1.18	37.3 E.
19 P.	+0.01	+0.8 E.	22 P.	+0.01	+1.0	9 P.	0.00	+1.5	1906		
Oct. 15 M.	+0.01	+1.1 W.	25 P.	+0.04	+1.5	12 P.	-0.06	+1.1	Jan. 6 Ei.Y.	1.20	36.7 W.
16 P.	-0.04	0.0	Mar. 3 M.	-0.01	+1.2	13 M.	-0.01	+1.7	Mean.....	1.192	37.00
20 L.	+0.04	+1.2	4 P.	+0.03	+1.0	14 L.	0.00	+0.5	Mag. corr....	+0.017	
29 P.	+0.05	+0.2	5 L.	+0.07	+0.8	15 M.	+0.02	+1.7			
30 L.	+0.01	+1.9	7 M.	-0.01	+0.4	17 L.	+0.02	+1.4			
1909			8 P.	+0.03	+1.5	20 P.	+0.07	+1.2			
Feb. 25 M.	-0.02	+2.2	14 M.	[-0.04]	[+1.0]	21 L.	+0.03	+1.0			
26 P.	+0.03	+1.3	15 L.	[-0.06]	[+0.9]	26 P.	+0.01	+0.6			
28 P.	-0.02	+2.0	16 M.	.....	+0.6						
Mar. 1 M.	0.00	+0.6	13 P.	[+0.01]	+0.9	1911					
5 P.	0.00	+1.2 W.	19 M.	[+0.04]	+1.4	Jan. 4 L.	-0.02	+1.2			
Sept. 14 M.	[+0.03]	[+1.6] E.	21 M.	[+0.01]	+1.1	5 M.	+0.01	+1.3			
17 P.	[+0.03]	[+1.3]	22 P.	[-0.01]	+0.6	6 P.	0.00	+0.9			
19 M.	.....	+1.4	23 L.	[-0.09]	+1.0	7 L.	0.00	+1.3			
24 P.	+0.05	+0.2	24 M.	[-0.07]	-0.3	9 M.	-0.02	+1.6			
27 P.	-0.02	+1.2	25 P.	[+0.01]	+1.1	10 P.	-0.04	+0.5			
29 P.	+0.04	+0.7	Apr. 2 L.	[-0.05]	+0.8	15 M.	+0.04	+2.5			
30 M.	+0.03	+0.5	8 P.	[-0.04]	+1.0	16 P.	+0.04	(+3.7)			
Oct. 1 L.	-0.04	+0.9	9 L.	[+0.01]	+0.3	18 L.	0.00	+1.2			
4 P.	+0.01	+0.8	11 M.	.....	+0.3	19 M.	+0.01	+1.9			
5 L.	-0.02	+1.0	13 L.	[-0.11]	+0.9	20 P.	0.00	+1.3			
6 M.	-0.05	+1.4	14 M.	[-0.21]	-0.1	23 M.	+0.05	+1.8			
7 P.	+0.03	+1.7	18 M.	.....	-0.3	24 P.	+0.02	+1.5			
8 L.	+0.06	+1.4	19 P.	[-0.06]	+0.8	25 L.	+0.01	+2.0			
11 P.	+0.01	+2.2	22 P.	[-0.01]	+0.4	28 L.	+0.01	+1.6			
12 L.	+0.02	+1.6	28 M.	[-0.12]	+0.7	30 M.	+0.01	+2.5			
19 M.	+0.03	+1.1	Aug. 27 L.	[-0.02]	+1.0	Feb. 4 L.	+0.02	+1.3			
21 M.	+0.04	+0.2	30 P.	[+0.08]	+0.5	7 P.	+0.01	+2.1			
24 M.	0.00	+1.0	Sept. 5 P.	[-0.13]	+0.9	10 P.	+0.01	+1.9			
25 P.	+0.06	+1.4	6 M.	[-0.05]	+1.1	13 L.	+0.03	+1.6			
26 L.	+0.01	+1.4	7 P.	[+0.01]	+1.0	17 P.	0.00	+1.0			
27 M.	0.00	+2.8	9 P.	[-0.06]	+1.2	21 P.	-0.02	+1.4			
28 P.	+0.05	+1.8	12 M.	[-0.05]	+0.6	23 M.	+0.05	+1.1			
29 L.	+0.01	+1.1	14 M.	[-0.05]	+1.4	24 P.	-0.07	+0.9			
Nov. 3 M.	+0.02	+1.3	15 P.	[-0.04]	+0.6	25 L.	0.00	+1.9			
4 L.	+0.04	+1.6	20 M.	+0.05	+1.5	27 M.	+0.02	+2.3			
10 M.	0.00	+1.8	21 L.	-0.03	+2.1	Mar. 3 P.	+0.01	+1.7			
11 L.	+0.03	+0.9	22 M.	-0.03	+1.0	6 M.	+0.02	+2.0			
12 M.	+0.07	+1.5	24 M.	+0.01	+1.1	8 L.	+0.06	+1.7			
15 M.	+0.02	+1.8	25 M.	+0.01	+1.6	9 M.	-0.03	+1.5			
19 L.	+0.02	+0.7	26 P.	-0.04	+0.6	10 P.	-0.02	+1.2			
22 P.	+0.06	+0.8	27 L.	+0.01	+1.5	16 M.	[+0.02]	[+1.7]			
25 P.	+0.07	+1.3	28 M.	+0.02	+1.1	17 P.	[-0.03]	+0.9			
26 L.	+0.02	+0.8	Oct. 2 M.	+0.05	+2.1	21 P.	[-0.02]	+0.9			
28 M.	+0.01	+0.5	3 P.	-0.03	+1.5	23 M.	+0.03	+1.9			
29 P.	+0.05	+1.5	4 L.	-0.04	+1.1	24 P.	0.00	+0.5			
30 L.	+0.03	+1.6	9 M.	+0.07	+1.7	25 L.	+0.02	+0.9			
Dec. 1 M.	-0.02	+1.9	10 P.	+0.02	+1.6	28 P.	[-0.09]	+1.8			
3 L.	-0.01	+1.4	11 L.	+0.01	+1.9	30 M.	[-0.03]	+0.8			
5 M.	+0.01	+1.4	13 P.	+0.03	+1.5	31 P.	[-0.02]	+1.5			
6 L.	+0.02	+1.4	17 P.	+0.01	+1.5	Apr. 6 M.	[-0.06]	[+0.3] E.			
9 L.	+0.01	+1.2	20 P.	+0.03	+1.1						
10 M.	-0.05	+1.6	22 P.	+0.03	+1.2	Mean.....	+0.009	+1.31			
14 M.	-0.02	+1.6	23 M.	-0.02	+1.0	Mag. corr....	+0.006				
15 L.	0.00	+1.0	24 P.	-0.04	+0.6						
16 M.	+0.02	+0.7	25 L.	+0.03	+1.7						
17 L.	-0.04	+1.8	26 M.	+0.01	+0.9						
21 P.	-0.04	+1.4	28 L.	+0.04	+1.6						
22 L.	-0.02	+1.5	30 M.	+0.06	+2.0						
28 L.	+0.04	+1.1	31 P.	+0.04	+1.1						
31 P.	-0.01	+1.6	Nov. 1 M.	+0.04	+1.7						
1910			4 L.	+0.03	+0.6						
Jan. 3 P.	+0.01	+1.4	6 M.	+0.06	+1.6						
7 P.	+0.02	+2.0	8 L.	+0.05	+0.8						
8 L.	0.00	+0.8	11 L.	+0.04	+1.4						
10 M.	+0.02	+1.4	14 P.	+0.01	+1.0						
15 L.	-0.01	+1.4	17 P.	-0.06	+1.8						
16 P.	+0.03	+1.7	19 P.	+0.01	+1.6						
19 L.	+0.05	+1.5	20 M.	-0.05	+1.3						
23 P.	-0.03	+1.2	21 P.	+0.02	+1.0						
25 P.	+0.01	+1.4	22 L.	+0.01	+1.9						
Feb. 1 M.	+0.06	+1.8	25 L.	+0.03	+2.0						
2 P.	+0.04	+0.7	29 L.	+0.02	+2.3						
4 P.	+0.02	+0.5	Dec. 1 P.	+0.05	+1.1						
5 L.	+0.05	+1.3	3 L.	0.00	+1.5						
18 P.	+0.02	+0.7 E.	7 L.	+0.06	+1.4 E.						

B. D. +21° 946			γ Leporis			1906			ζ Leporis		
$\alpha = 5^h 37^m$ $\delta = +21^\circ 22'$			$\alpha = 5^h 40^m$ $\delta = -22^\circ 28'$			Jan. 10 Ei.Y. 23.57 52.8 W.			$\alpha = 5^h 42^m$ 25°.434 $\delta = -14^\circ 51'$ 32''.85		
1904			1903			Mean..... 23.585 52.90			1906		
Feb. 4 Ei.Y.	22.43	10.1 W.	Sept. 6 L.	[17.65]	[49.7] W.	Mag. corr.... +0.016			Feb. 5 Bs.	+0.06	+1.4 W.
9 Ei.Y.	22.51	9.4 W.	1904			130 Tauri			9 Br.	+0.05	+0.1
1905			Feb. 11 Br.	17.57	50.7	$\alpha = 5^h 41^m$ $\delta = +17^\circ 41'$			10 Hl.	+0.12	-0.2
Feb. 10 Ei.Y.	22.49	9.1 E.	1905			1904			13 Br.	+0.03	+0.3
1906			Oct. 4 Hl.	17.63	52.9	Feb. 6 Ei.Y.	36.34	30.6 W.	16 Br.	+0.02	0.0 W.
Jan. 10 Ei.Y.	22.47	8.7 W.	5 Br.	17.56	52.2	8 Ei.Y.	36.40	30.8 W.	1907		
Mean.....	22.475	9.32	11 Bs.	17.58	53.1 W.	1905			Oct. 21 Hl.	+0.04	+0.5 E.
Mag. corr....	-0.005		1907			Feb. 7 Ei.Y.	36.31	31.2 E.	1908		
B. D. +27° 849			Sept. 30 Hl.	17.45	52.0 E.	Oct. 29 Hl.	36.30	29.6 W.	Jan. 12 P.	+0.11	0.0
$\alpha = 5^h 38^m$ $\delta = +27^\circ 41'$			Oct. 4 P.	17.55	52.2	1906			14 P.	+0.01	+2.1
1904			6 M.	17.53	54.5	Jan. 5 Ei.Y.	36.32	30.7	Feb. 3 P.	+0.14	+0.6
Feb. 6 Ei.Y.	3.94	9.1 W.	13 M.	17.53	54.2	Feb. 20 Br.	36.36	29.7	4 P.	+0.17	+0.4 E.
8 Ei.Y.	3.94	9.6 W.	16 M.	17.57	54.0 E.	23 Bs.	36.35	30.9	Mean.....	+0.075	+0.52
1905			1908			Mar. 2 Br.	36.39	30.5 W.	Mag. corr....	-0.003	
Feb. 7 Ei.Y.	3.91	10.2 E.	Oct. 13 M.	17.58	52.7 W.	1907			B. D. +24° 970		
1906			Mean.....	17.555	52.85	Oct. 18 P.	36.36	30.7 E.	$\alpha = 5^h 42^m$ $\delta = +24^\circ 32'$		
Jan. 5 Ei.Y.	3.90	9.7 W.	Mag. corr....	-0.005		20 M.	36.32	30.3	1904		
Mean.....	3.922	9.65	B. D. +20° 1093			1908			Jan. 15 Ei.Y.	52.70	2.4 W.
Mag. corr....	+0.002		$\alpha = 5^h 40^m$ $\delta = +20^\circ 8'$			Jan. 27 P.	36.27	30.5	25 Ei.Y.	52.72	2.3 W.
α Aurigæ			1904			29 P.	36.37	29.7	1905		
$\alpha = 5^h 38^m$ 9°.139 $\delta = +49^\circ 46'$ 57''.15			Jan. 15 Ei.Y.	49.74	5.0 W.	30 M.	36.30	30.4 E.	Jan. 30 Ei.Y.	52.76	3.6 E.
1903			25 Ei.Y.	49.76	4.5 W.	Sept. 28 P.	36.36	31.4 W.	1906		
Sept. 13 L.	[+0.03]	[+0.6] W.	1905			Mean.....	36.339	30.50	Jan. 9 Ei.Y.	52.73	3.0 W.
15 L.	[+0.02]	[+0.4]	Jan. 30 Ei.Y.	49.78	5.4 E.	Mag. corr....	-0.003		Mean.....	52.728	2.82
21 L.	[+0.15]	[+0.4]	1906			B. D. +20° 1100			Mag. corr....	+0.001	
23 L.	+0.02	+0.5 W.	Jan. 9 Ei.Y.	49.72	5.2 W.	$\alpha = 5^h 41^m$ $\delta = +20^\circ 54'$			B. D. +29° 1009		
1904			Mean.....	49.750	5.02	1903			$\alpha = 5^h 42^m$ $\delta = +29^\circ 41'$		
Oct. 18 M.	+0.05	+0.9 E.	Mag. corr....	+0.001		Dec. 22 Ei.Y.	40.24	16.5 W.	1903		
1905			B. D. +15° 926			1904			Nov. 9 Ei.Y.	53.80	35.6 W.
Jan. 20 Br.	+0.08	+0.5	$\alpha = 5^h 41^m$ $\delta = +15^\circ 47'$			Jan. 14 Ei.Y.	40.24	16.9 W.	Dec. 22 Ei.Y.	53.89	35.8 W.
Feb. 16 Y.	+0.04	+0.7	1903			1905			1905		
17 Br.	+0.02	+0.8 E.	Nov. 9 Ei.Y.	0.44	0.9 W.	Mar. 2 Ei.Y.	40.32	17.0 E.	Jan. 27 Ei.Y.	53.90	35.7 E.
1906			1904			1906			1906		
Feb. 7 Bs.	+0.08	+0.2 W.	Feb. 20 Ei.R.	0.46	1.0 W.	Jan. 18 Ei.Y.	40.31	16.4 W.	Jan. 24 Ei.Y.	53.88	35.9 W.
1907			1905			Mean.....	40.278	16.70	Mean.....	53.868	35.75
Oct. 1 P.	+0.02	+0.5 E.	Jan. 27 Ei.Y.	0.45	0.9 E.	Mag. corr....	0.000		Mag. corr....	+0.002	
Mean.....	+0.044	+0.59	1906			B. D. +24° 963			α Orionis		
Mag. corr....	-0.004		Jan. 24 Ei.Y.	0.44	0.9 W.	$\alpha = 5^h 41^m$ $\delta = +24^\circ 39'$			$\alpha = 5^h 43^m$ 0°.827 $\delta = -9^\circ 42'$ 18''.27		
B. D. +26° 937			Mean.....	0.448	0.92	1904			1903		
$\alpha = 5^h 38^m$ $\delta = +26^\circ 17'$			Mag. corr....	-0.009		Feb. 9 Ei.Y.	47.60	1.8 W.	Nov. 3 Ei.Y.	+0.02	+0.1 W.
1903			B. D. +22° 1031			15 Ei.Y.	47.58	2.3 W.	6 Ei.Y.	+0.01	+1.1
Dec. 22 Ei.Y.	42.39	54.8 W.	$\alpha = 5^h 41^m$ $\delta = +22^\circ 29'$			1905			Dec. 11 Ei.Y.	+0.07	+0.6
1904			1904			Feb. 24 Ei.Y.	47.58	1.1 E.	1904		
Jan. 14 Ei.Y.	42.32	55.0 W.	Jan. 27 Ei.Y.	12.63	28.8 W.	1906			Mar. 1 Br.	0.00	+1.1
1905			30 Ei.Y.	12.55	28.6 W.	Jan. 6 Ei.Y.	47.61	2.5 W.	4 M.	0.00	+1.8
Mar. 2 Ei.Y.	42.41	55.6 E.	1905			Mean.....	47.592	1.92	5 R.	+0.02	+0.8
1906			Jan. 18 Ei.M.	12.61	28.5 E.	Mag. corr....	+0.009		8 Br.	+0.01	+0.6 W.
Jan. 18 Ei.Y.	42.38	55.1 W.	1906			B. D. +39° 1416			Oct. 3 Br.	+0.05	+0.2 E.
Mean.....	42.375	55.12	Jan. 29 Ei.Y.	12.62	28.3 W.	$\alpha = 5^h 41^m$ $\delta = +39^\circ 29'$			4 M.	+0.04	+0.2
Mag. corr....	+0.009		Mean.....	12.602	28.55	1908			9 M.	+0.06	-0.1
B. D. +16° 855			Mag. corr....	-0.002		Jan. 15 Hl.	54.56	55.6 E.	13 Br.	+0.01	-0.8
$\alpha = 5^h 39^m$ $\delta = +16^\circ 2'$			B. D. +25° 978			16 Hl.	54.52	56.0 E.	14 Y.	+0.07	+0.4
1904			$\alpha = 5^h 41^m$ $\delta = +25^\circ 31'$			Mean.....	54.540	55.80	16 M.	+0.01	+0.3
Feb. 9 Ei.Y.	7.59	34.5 W.	1904			Mag. corr....	-0.004		17 Br.	+0.10	+0.2
15 Ei.Y.	7.53	34.7 W.	Feb. 3 Ei.Y.	23.56	52.6 W.	B. D. +39° 1416			18 M.	+0.03	-0.1
1905			4 Ei.Y.	23.60	53.1 W.	$\alpha = 5^h 41^m$ $\delta = +39^\circ 29'$			21 Y.	-0.05	-0.6
Feb. 24 Ei.Y.	7.52	34.6 E.	1905			1908			Dec. 20 Br.	+0.04	-0.1
1906			Feb. 10 Ei.Y.	23.61	53.1 E.	Jan. 15 Hl.	54.56	55.6 E.	22 Br.	+0.04	-0.6
Jan. 6 Ei.Y.	7.56	34.8 W.				16 Hl.	54.52	56.0 E.	1905		
Mean.....	7.562	34.65				Mean.....	54.540	55.80	Jan. 19 Y.	+0.05	+0.2
Mag. corr....	+0.014					Mag. corr....	-0.004		Feb. 13 Y.	-0.01	+1.4 E.

1906			1909			1910			B. D. +19° 1089		
Feb. 7 Bs.	+0.06	+0.8 W.	Dec. 17 L.	+0.02	+0.7 E.	Oct. 28 L.	+0.07	+1.4 E.	$\alpha = 5^h 44^m$		
1907			21 P.	+0.06	+0.3	30 M.	+0.05	+0.4	$\delta = +19^\circ 8'$		
Oct. 1 P.	0.00	-0.3 E.	22 L.	+0.02	+0.6	31 P.	+0.05	+0.6	1904	s	"
2 M.	+0.02	0.0	28 L.	+0.03	+0.7	Nov. 1 M.	+0.03	+0.4	Jan. 27 Ei.Y.	14.86	7.3 W.
8 M.	+0.07	+1.5	31 P.	+0.09	+0.7	4 L.	+0.05	0.0	30 Ei.Y.	14.82	7.1 W.
9 P.	+0.06	-0.4	1910			6 M.	+0.07	+1.1	1905		
14 Hl.	+0.02	-0.2	Jan. 3 P.	+0.08	0.0	8 L.	+0.09	0.0	Jan. 18 Ei.M.	14.76	7.5 E.
15 P.	+0.05	+0.2	7 P.	+0.04	+0.9	11 L.	+0.07	+1.0	1906		
24 P.	+0.04	+0.1	8 L.	+0.02	-0.1	14 P.	+0.02	+0.4	Jan. 29 Ei.Y.	14.81	7.0 W.
Dec. 24 Hl.	+0.07	...	10 M.	0.00	+0.8	17 P.	+0.01	+1.2	Mean.....	14.812	7.22
28 P.	-0.02	...	15 L.	+0.06	+1.4	19 P.	0.00	+1.0	Mag. corr....	+0.002	
1908			16 P.	-0.01	+0.7	20 M.	+0.06	+0.6	ν Aurigæ		
Feb. 7 P.	+0.04	0.0	19 L.	+0.09	+0.4	21 P.	+0.06	+0.3	$\alpha = 5^h 44^m 33^s.528$		
12 P.	+0.05	+0.1	23 P.	+0.01	-0.2	22 L.	+0.03	+0.7	$\delta = +39^\circ 7' 9''.46$		
19 P.	+0.02	-0.1 E.	25 P.	+0.09	+1.1	25 L.	+0.05	+1.3	1903	s	"
Oct. 6 L.	+0.08	+0.6 W.	Feb. 1 M.	+0.01	+1.4	29 L.	-0.02	+1.7	Sept. 4 L.	....	[+1.8] W.
7 M.	+0.01	+0.6	2 P.	+0.05	+0.4	Dec. 1 P.	+0.05	-0.1	6 L.	[-0.03]	[+1.1]
11 M.	+0.02	+0.2	4 P.	+0.10	-0.7	3 L.	+0.03	+0.3	11 L.	[+0.02]	[+1.4]
12 P.	+0.04	+0.5	5 L.	+0.07	+1.0	7 L.	+0.09	+0.4	12 R.	[0.00]	[+0.2]
13 M.	+0.05	+1.6	18 P.	+0.04	-0.1	8 M.	+0.04	+1.1	13 L.	[-0.01]	[+0.6]
29 P.	+0.03	+0.2	19 L.	+0.01	+0.1	9 P.	+0.03	+1.0	15 L.	[+0.07]	[+0.2]
30 L.	-0.05	+1.3	22 P.	+0.03	+0.1	12 P.	+0.04	+0.2	18 L.	[+0.02]	[+0.6]
Nov. 8 M.	+0.05	0.0	25 P.	+0.02	0.0	13 M.	+0.05	+0.6	20 R.	....	0.0
1909			Mar. 3 M.	-0.01	+0.4	14 L.	+0.04	0.0	21 L.	[+0.09]	[+0.2]
Feb. 26 P.	+0.07	+0.9	4 P.	+0.06	+0.6	15 M.	+0.03	+0.8	22 R.	[0.00]	[0.0]
28 P.	+0.02	+1.6	5 L.	+0.06	+0.5	17 L.	+0.02	+0.4	23 L.	-0.03	+0.2
Mar. 5 P.	+0.06	+0.3 W.	7 M.	+0.03	+0.4	20 P.	+0.06	+0.8	24 R.	0.00	+0.8
Sept. 1 L.	[+0.05]	[+1.9] E.	8 P.	+0.04	+0.6	21 L.	-0.02	+0.1	25 L.	+0.03	+0.1
10 P.	[+0.05]	....	14 M.	-0.01	+0.9	26 P.	+0.03	-0.1	27 L.	+0.02	0.0
14 M.	[+0.04]	[+0.5]	15 L.	+0.07	+0.1	1911			29 L.	+0.02	+0.2
17 P.	[+0.10]	[+0.9]	16 M.	....	0.0	Jan. 4 L.	+0.03	+0.7	Oct. 1 L.	+0.01	+0.1
17 P.	[+0.07]	[0.0]	17 L.	[-0.03]	+0.6	5 M.	+0.02	+0.6	1904		
19 M.	....	[+0.6]	18 P.	[+0.02]	-0.3	6 P.	+0.16	+0.2	Feb. 11 Br.	+0.04	+0.1 W.
24 P.	+0.03	-1.2	19 M.	0.00	-0.2	7 L.	+0.11	+0.1	1907		
26 M.	+0.03	+0.4	21 M.	+0.02	-0.4	9 M.	+0.04	+0.4	Oct. 6 M.	+0.02	+1.4 E.
27 P.	+0.01	-0.2	23 L.	-0.01	+0.2	10 P.	+0.01	-0.2	13 M.	+0.06	-0.1
29 P.	+0.03	+0.3	24 M.	-0.01	-0.9	15 M.	+0.08	+1.1	16 M.	+0.07	+0.1
30 M.	+0.10	+0.5	25 P.	+0.03	-1.0	16 P.	+0.09	-0.1	20 M.	+0.01	+0.3
Oct. 1 L.	+0.05	+0.2	2 L.	-0.03	+0.1	19 M.	0.00	+0.8	1908		
4 P.	-0.02	+0.5	8 P.	-0.02	+0.4	20 P.	+0.06	+0.3	Jan. 27 P.	-0.05	+0.3 E.
5 L.	+0.01	+0.7	9 L.	[-0.06]	+0.1	23 M.	+0.06	+0.5	Mean.....	+0.017	+0.29
6 M.	+0.03	+1.0	11 M.	....	-0.6	24 P.	+0.07	+0.4	Mag. corr....	+0.006	
7 P.	+0.03	+0.2	13 L.	[-0.05]	+0.4	25 L.	+0.04	+0.8	[+0.020][+0.61]		
8 L.	+0.03	+0.5	14 M.	[-0.02]	-1.2	28 L.	-0.02	+0.9	B. D. +27° 888		
11 P.	+0.02	+1.4	18 M.	....	-0.4	30 M.	+0.03	+1.1	$\alpha = 5^h 44^m$		
12 L.	-0.02	+1.4	22 P.	[-0.01]	-0.3	Feb. 4 L.	+0.03	+0.5	$\delta = +27^\circ 56'$		
19 M.	+0.01	+0.6	28 M.	-0.01	-0.5	7 P.	-0.02	+1.3	1904	s	"
21 M.	+0.02	+0.2	27 L.	+0.01	+0.5	10 P.	+0.02	-0.4	Feb. 3 Ei.Y.	39.92	16.9 W.
24 M.	+0.01	+0.9	30 P.	+0.07	-0.4	13 L.	+0.08	+0.8	4 Ei.Y.	39.96	17.3 W.
25 P.	+0.03	-0.1	Sept. 5 P.	-0.06	-0.6	17 P.	+0.07	+0.4	1905		
26 L.	+0.10	+1.0	6 M.	0.00	-0.4	21 P.	+0.07	+0.6	Feb. 10 Ei.Y.	39.98	17.4 E.
27 M.	0.00	+1.5	7 P.	-0.02	-0.3	23 M.	+0.06	+0.3	1906		
28 P.	+0.04	+0.5	9 P.	-0.02	-0.1	24 P.	-0.01	-0.2	Jan. 10 Ei.Y.	39.96	16.6 W.
29 L.	+0.03	+0.6	12 M.	-0.02	0.0	25 L.	+0.04	+0.2	Mean.....	39.955	17.05
31 M.	+0.06	+0.3	14 M.	-0.07	+0.6	27 M.	+0.02	+1.0	Mag. corr....	+0.028	
Nov. 3 M.	+0.05	+1.1	15 P.	+0.01	-0.5	Mar. 1 L.	+0.07	+1.4	B. D. +23° 1087		
4 L.	+0.03	+0.9	20 M.	[+0.10]	[-0.2]	3 P.	+0.02	+0.3	$\alpha = 5^h 45^m$		
10 M.	+0.06	+0.4	21 L.	+0.03	+1.2	6 M.	0.00	+0.3	$\delta = +23^\circ 21'$		
11 L.	+0.03	+0.2	22 M.	+0.06	+0.3	8 L.	+0.02	+0.8	1904	s	"
12 M.	+0.04	+0.6	25 M.	+0.03	+0.5	9 M.	+0.03	+0.2	Feb. 6 Ei.Y.	45.76	22.4 W.
15 M.	+0.06	+0.4	26 P.	+0.03	+0.1	10 P.	+0.04	+1.4	8 Ei.Y.	45.79	22.9 W.
19 L.	+0.08	0.0	27 L.	+0.03	+0.5	11 L.	+0.03	+0.4	1905		
22 P.	+0.02	+0.6	28 M.	+0.02	+0.3	16 M.	[+0.03]	[+0.4]	Feb. 7 Ei.Y.	45.74	22.7 E.
25 P.	+0.11	+0.2	Oct. 2 M.	+0.07	+1.8	17 P.	[-0.02]	[-0.5]	1906		
26 L.	+0.04	+0.8	3 P.	+0.04	+0.4	21 P.	-0.01	+0.5	Jan. 5 Ei.Y.	45.76	22.3 W.
28 M.	+0.08	-0.6	4 L.	+0.05	+0.5	23 M.	[+0.03]	[+0.6]	Mean.....	45.762	22.58
29 P.	+0.02	+0.8	9 M.	+0.05	+0.8	24 P.	[+0.02]	[-0.4]	Mag. corr....	+0.012	
30 L.	+0.01	+0.9	10 P.	+0.01	-0.4	25 L.	-0.04	+0.2			
Dec. 1 M.	+0.03	+1.0	11 L.	-0.01	+0.8	28 P.	0.00	+0.9			
3 L.	0.00	+0.2	13 P.	+0.04	+0.5	30 M.	-0.01	[-0.4]			
5 M.	+0.05	+0.8	17 P.	+0.05	+0.7	31 P.	-0.05	[+0.7]			
6 L.	+0.05	+1.3	20 P.	+0.02	+0.1	Apr. 6 M.	[-0.05]	[-0.4] E.			
9 L.	+0.09	+0.7	22 P.	+0.07	+0.9	Mean.....	+0.038	+0.49			
10 M.	+0.07	+2.0	23 M.	+0.05	+0.3	Mag. corr....	+0.005				
14 M.	+0.07	+0.8	24 P.	+0.08	-0.5	[+0.001][+0.01]					
15 L.	+0.03	0.0	25 L.	+0.02	+0.8						
16 M.	+0.01	+0.6 E.	26 M.	+0.04	0.0 E.						

B. D. +16° 893			δ Leporis			B. D. +20° 1162			1906		
$\alpha = 5^h 45^m$ $\delta = +16^\circ 47'$			$\alpha = 5^h 47^m$ $\delta = -20^\circ 53'$			$\alpha = 5^h 48^m$ $\delta = +20^\circ 15'$			$\alpha = 5^h 49^m$ $\delta = +19^\circ 43'$		
1910	s	"	1904	s	"	1904	s	"	1904	s	"
Feb. 19 L.	55.97	38.3 E.	Oct. 3 Br.	1.43	17.4 E.	Feb. 6 Ei.Y.	27.62	27.1 W.	Jan. 5 Ei.Y.	27.60	27.3 W.
22 P.	55.95	38.5	16 M.	1.34	17.5	8 Ei.Y.	27.65	28.2 W.	Mean.....	27.610	27.62
25 P.	55.99	38.1	18 M.	1.34	17.7	1905			Mag. corr....	+0.006	
Mar. 4 P.	55.90	38.6	21 Y.	1.41	18.0	Feb. 7 Ei.Y.	27.57	27.9 E.			
5 L.	55.96	38.0 E.	Dec. 22 Br.	1.34	18.2 E.	1906					
Mean.....	55.954	38.30	1905			Jan. 5 Ei.Y.	27.60	27.3 W.			
Mag. corr....	-0.002		Oct. 15 Hl.	1.45	18.5 W.	Mean.....	27.610	27.62			
			1906			Mag. corr....	+0.006				
			Oct. 11 Hl.	1.44	18.8						
ξ Aurigæ			1908								
$\alpha = 5^h 46^m$ 27°.984 $\delta = +55^\circ 41'$ 1''.82			Sept. 28 P.	1.40	19.6						
1905	s	"	Oct. 6 L.	1.49	19.6						
Oct. 5 Br.	-0.08	-1.2 W.	7 M.	1.40	19.6 W.						
1906			Mean.....	1.404	18.49						
Feb. 19 Bs.	+0.04	+0.1	Mag. corr....	-0.005							
20 Br.	+0.01	+0.4									
23 Bs.	-0.08	+0.4									
Mar. 1 Hl.	-0.06	-0.6 W.									
1907											
Oct. 17 Hl.	-0.06	+0.2 E.									
18 P.	-0.09	+0.5									
24 P.	-0.09	+0.1									
1908											
Jan. 12 P.	0.00	-0.3									
14 P.	-0.18	+0.2 E.									
Mean.....	-0.059	-0.02									
Mag. corr....	+0.001										
B. D. +19° 1110			B. D. +22° 1080			B. D. +17° 1051			1909		
$\alpha = 5^h 46^m$ $\delta = +19^\circ 50'$			$\alpha = 5^h 47^m$ $\delta = +22^\circ 3'$			$\alpha = 5^h 49^m$ $\delta = +17^\circ 22'$			$\alpha = 5^h 49^m$ $\delta = +17^\circ 22'$		
1903	s	"	1903	s	"	1904	s	"	Jan. 31 P.	+0.03	-0.2
Dec. 22 Ei.Y.	27.91	32.4 W.	Nov. 9 Ei.Y.	18.05	2.7 W.	Feb. 3 Ei.Y.	9.21	59.2 W.	Mar. 5 P.	+0.06	+0.1 W.
1904			1904			4 Ei.Y.	9.30	59.8 W.	Sept. 1 L.	+0.08	+0.8 E.
Jan. 14 Ei.Y.	27.92	32.9 W.	Feb. 20 Ei.R.	18.13	1.7 W.	1905			6 P.	+0.06	+0.5
1905			1905			Feb. 24 Ei.Y.	9.31	59.4 E.	10 L.	+0.04	+0.5
Mar. 2 Ei.Y.	27.94	32.6 E.	Jan. 27 Ei.Y.	18.08	3.0 E.	1906			12 M.	+0.05	+0.8
1906			1906			Jan. 6 Ei.Y.	9.35	59.2 W.	14 M.	+0.04	+0.5
Jan. 18 Ei.Y.	27.93	32.3 W.	Jan. 24 Ei.Y.	18.11	2.7 W.	Mean.....	9.292	59.40	17 P.	-0.01	0.0
Mean.....	27.925	32.55	Mean.....	18.092	2.52	Mag. corr....	+0.007		19 M.	.....	+0.8
Mag. corr....	+0.023		Mag. corr....	-0.007					24 P.	+0.04	+0.2
									26 M.	+0.08	+0.6
B. D. +36° 1282			B. D. +25° 1020			α Orionis			27 P.	+0.08	+1.3
$\alpha = 5^h 46^m$ $\delta = +36^\circ 6'$			$\alpha = 5^h 47^m$ $\delta = +25^\circ 3'$			$\alpha = 5^h 49^m$ 45°.491 $\delta = +7^\circ 23'$ 18''.71			29 P.	+0.07	+1.0
1908	s	"	1904	s	"	1903	s	"	30 M.	+0.06	+1.2
Jan. 15 Hl.	51.88	25.8 E.	Jan. 27 Ei.Y.	20.58	1.4 W.	Dec. 3 Ei.Y.	-0.04	+0.8 W.	Oct. 1 L.	+0.02	+0.8
16 Hl.	51.93	24.9 E.	30 Ei.Y.	20.56	1.4 W.	7 Ei.Y.	-0.01	+0.4	4 P.	0.00	+0.5
Mean.....	51.905	25.35	1905			22 Ei.Y.	+0.04	0.0	5 L.	+0.02	+1.0
Mag. corr....	-0.002		Jan. 18 Ei.M.	20.56	1.3 E.	1904			6 M.	+0.02	+0.6
			1906			Jan. 14 Ei.Y.	+0.04	+1.0	7 P.	-0.01	+0.9
B. D. +26° 985			Jan. 29 Ei.Y.	20.60	1.3 W.	Feb. 11 Br.	+0.02	+0.6	8 L.	+0.02	+1.0
$\alpha = 5^h 46^m$ $\delta = +26^\circ 25'$			Mean.....	20.575	1.35	20 Ei.R.	+0.06	-0.2	11 P.	+0.04	+1.6
1904	s	"	Mag. corr....	+0.003		22 Ei.M.	+0.02	+0.4	12 L.	+0.06	+0.9
Feb. 9 Ei.Y.	52.40	17.9 W.				Mar. 2 R.	+0.04	+1.0	19 M.	-0.01	-0.2
15 Ei.Y.	52.45	17.0 W.				4 M.	-0.02	+1.2	21 M.	+0.04	-0.1
1905						5 R.	+0.03	+0.7	24 M.	+0.10	+0.8
Feb. 24 Ei.Y.	52.44	16.8 E.				8 Br.	+0.05	+0.8	25 P.	+0.06	+0.1
1906						9 R.	+0.01	+0.4	26 L.	+0.03	+1.1
Jan. 6 Ei.Y.	52.44	16.8 W.				10 M.	-0.01	+0.4 W.	27 M.	+0.07	+1.8
Mean.....	52.432	17.12				Sept. 30 T.	+0.01	-0.1 E.	28 P.	+0.09	+1.2
Mag. corr....	-0.001					Dec. 20 Br.	+0.04	+0.8	29 L.	+0.08	+1.0
						1905			31 M.	+0.06	+0.1
B. D. +20° 1156						Jan. 19 Y.	+0.05	+0.4	Nov. 3 M.	+0.01	+0.2
$\alpha = 5^h 47^m$ $\delta = +20^\circ 16'$						20 Br.	+0.03	+1.0	4 L.	+0.07	+1.3
1904	s	"				27 Ei.Y.	+0.04	+0.5	10 M.	+0.06	+0.8
Feb. 3 Ei.Y.	22.30	33.7 W.				Feb. 7 Ei.Y.	+0.05	+0.6	11 L.	0.00	+1.2
4 Ei.Y.	22.36	34.1 W.				10 Ei.Y.	+0.06	+1.0	12 M.	+0.05	+0.5
1905						14 Br.	+0.02	-0.2	15 M.	+0.04	+0.3
Feb. 10 Ei.Y.	22.41	34.6 E.				16 Y.	+0.04	-0.2	19 L.	+0.05	+0.2
1906						17 Br.	+0.02	+0.4	22 P.	+0.07	-0.2
Jan. 10 Ei.Y.	22.40	33.2 W.				18 Ei.M.	+0.06	+0.5 E.	25 P.	+0.02	+0.3
Mean.....	22.368	33.90				Oct. 4 Hl.	+0.01	+0.6 W.	26 L.	+0.05	+0.6
Mag. corr....	+0.016					5 Br.	+0.02	+0.2	28 M.	+0.02	-0.2
						11 Bs.	+0.02	+1.0 W.	29 P.	+0.03	+1.6
									30 L.	+0.03	+1.0
									Dec. 1 M.	+0.03	+1.3
									3 L.	+0.07	+0.6 E.

1909			1910			1911			1904			
Dec.	5 M.	+0.08 +0.3 E.	Oct.	17 P.	+0.09 +1.2 E.	Apr.	6 M.	[-0.04] [-0.4] E.	Oct.	18 M.	47.38 29.6 E.	
	6 L.	+0.05 +1.4		20 P.	+0.02 +0.9					21 Y.	47.36 30.0	
	9 L.	+0.04 +0.4		22 P.	+0.02 +0.6	Mean.....		+0.038 +0.63		26 Y.	47.32 29.5	
	10 M.	+0.08 +0.8		23 M.	+0.04 +0.5	Mag. corr....		-0.005				
	14 M.	+0.04 +1.2		24 P.	+0.05 +0.1			[-0.001][+0.18]		1905		
	15 L.	+0.07 +0.6		25 L.	+0.04 +1.2					Jan.	18 Ei.M.	47.43 29.5 E.
	16 M.	+0.09 +0.7		26 M.	+0.05 0.0					1906		
	17 L.	+0.09 +0.7		28 L.	+0.01 +0.9					Jan.	29 Ei.Y.	47.34 30.4 W.
	21 P.	+0.01 +1.1		30 M.	+0.05 0.0					1908		
	22 L.	+0.08 +0.4		31 P.	+0.03 +0.3					Oct.	7 M.	47.39 30.0
	28 L.	+0.07 +0.4								15 M.	47.36 29.8	
	31 P.	+0.04 +0.5		Nov.	4 L.	+0.06 -0.4				16 P.	47.38 30.3	
				6 M.	+0.04 +0.7					20 L.	47.30 29.7	
1910				8 L.	+0.05 +0.6					29 P.	47.33 29.6 W.	
Jan.	3 P.	+0.07 +0.6		11 L.	+0.05 +0.6					Mean.....	47.362 29.85	
	7 P.	+0.05 +0.6		14 P.	+0.01 0.0					Mag. corr....	+0.002	
	8 L.	+0.06 +0.5		17 P.	+0.03 -0.9							
	10 M.	+0.04 0.0		19 P.	-0.02 +0.8							
	15 L.	-0.01 +0.9		20 M.	+0.06 +0.3							
	16 P.	+0.02 +0.5		21 P.	+0.04 +0.5							
	19 L.	+0.05 +0.5		22 L.	+0.05 +0.9							
	23 P.	+0.10 +0.2		25 L.	+0.05 +1.7							
	25 P.	+0.05 +1.1		29 L.	+0.04 +1.7							
Feb.	1 M.	+0.04 +1.1		Dec.	1 P.	+0.01 +0.4						
	2 P.	+0.01 0.0		3 L.	+0.02 +0.6							
	4 P.	+0.02 +0.4		7 L.	+0.01 +1.0							
	5 L.	-0.02 +0.7		8 M.	+0.10 +1.1							
	18 P.	+0.06 +0.3		9 P.	+0.04 +1.1							
	19 L.	+0.06 +0.5		12 P.	+0.03 +0.3							
	22 P.	+0.03 +0.9		13 M.	+0.05 +0.8							
	25 P.	+0.07 +1.0		14 L.	+0.02 +0.1							
Mar.	3 M.	+0.08 +0.5		15 M.	+0.08 +0.6							
	4 P.	-0.01 +1.2		17 L.	+0.07 +0.6							
	5 L.	+0.10 0.0		20 P.	+0.11 +1.4							
	7 M.	+0.04 +0.2		21 L.	+0.03 +0.3							
	8 P.	+0.06 +0.1		26 P.	-0.03 +0.3							
	14 M.	+0.01 +0.7		1911								
	15 L.	0.00 +0.6		Jan.	4 L.	+0.03 +0.6						
	16 M.	.... -0.1		5 M.	+0.02 +0.6						
	17 L.	[-0.07] [+0.4]		6 P.	-0.05 +0.6							
	18 P.	[+0.03] [+0.2]		7 L.	-0.01 +0.5							
	19 M.	[+0.06] 0.0		9 M.	+0.01 +0.8							
	21 M.	[+0.03] +0.4		10 P.	+0.02 +0.1							
	22 P.	+0.01 +0.2		15 M.	+0.06 +1.3							
	23 L.	-0.04 +0.1		16 P.	+0.08 +0.1							
	24 M.	-0.06 -0.4		18 L.	+0.04 +0.9							
	25 P.	+0.01 +0.6		19 M.	-0.03 +0.1							
Apr.	2 L.	-0.02 +0.2		20 P.	+0.02 +0.7							
	8 P.	0.00 +0.3		23 M.	+0.06 +0.8							
	9 L.	[-0.02] -0.4		24 P.	+0.06 +0.8							
	11 M.	.... -0.4		25 L.	+0.05 +0.9						
	13 L.	[-0.10] -0.1		28 L.	+0.05 +0.9							
	14 M.	[-0.06] -0.4		30 M.	+0.09 +1.2							
	18 M.	.... -1.0		Feb.	4 L.	+0.08 +1.4					
	22 P.	[-0.03] -0.9		7 P.	+0.06 +0.7							
	23 M.	-0.02 -0.7		10 P.	-0.01 +1.0							
Aug.	27 L.	-0.02 +1.0		13 L.	+0.08 +0.7							
	30 P.	+0.05 +0.1		17 P.	+0.02 -0.1							
Sept.	5 P.	-0.03 +0.5		21 P.	+0.09 +0.4							
	6 M.	-0.03 +0.3		23 M.	+0.04 +0.9							
	7 P.	+0.03 +0.3		24 P.	+0.02 +0.2							
	9 P.	0.00 +0.1		25 L.	+0.02 +0.6							
	12 M.	-0.02 -0.3		27 M.	+0.05 +0.9							
	14 M.	+0.02 +0.5		1 L.	+0.05 +1.3							
	15 P.	-0.09 -0.2		3 P.	+0.09 +0.8							
	20 M.	+0.05 +0.3		6 M.	+0.07 +0.8							
	21 L.	[+0.01] [+1.0]		8 L.	+0.04 +0.9							
	22 M.	+0.04 +0.2		9 M.	+0.06 +0.6							
	25 M.	+0.02 +0.5		10 P.	+0.04 +0.5							
	26 P.	+0.01 +0.5		11 L.	+0.01 +1.1							
	27 L.	+0.02 +0.9		16 M.	+0.05 +0.6							
	28 M.	+0.06 +0.2		17 P.	[+0.01] [+0.3]							
Oct.	2 M.	+0.01 +1.1		21 P.	+0.03 +0.4							
	3 P.	+0.05 +0.8		23 M.	+0.06 +0.6							
	4 L.	+0.05 +0.9		24 P.	-0.03 -0.2							
	9 M.	+0.07 +0.8		25 L.	+0.06 +0.3							
	10 P.	-0.01 +0.7		28 P.	[0.00] +0.9							
	11 L.	+0.02 +1.6		30 M.	[-0.05] +0.1							
	13 P.	+0.04 +0.6 E.		31 P.	[-0.03] +0.6 E.							

1911			1904		
Apr.	6 M.	[-0.04] [-0.4] E.	Oct.	18 M.	47.38 29.6 E.
				21 Y.	47.36 30.0
				26 Y.	47.32 29.5
Mean.....		+0.038 +0.63	1905		
Mag. corr....		-0.005	Jan.	18 Ei.M.	47.43 29.5 E.
		[-0.001][+0.18]	1906		
			Jan.	29 Ei.Y.	47.34 30.4 W.
			1908		
			Oct.	7 M.	47.39 30.0
				15 M.	47.36 29.8
				16 P.	47.38 30.3
				20 L.	47.30 29.7
				29 P.	47.33 29.6 W.
			Mean.....	47.362 29.85	
			Mag. corr....	+0.002	

[illegible]

1908

s

"

Feb. 12 P.

+0.03

+0.6 E.

17 Ei.M.

+0.04

+0.6

19 P.

0.00

+1.3 E.

Oct. 6 L.

+0.07

... W.

13 M.

+0.02

+0.7

14 P.

-0.04

+0.8

20 L.

-0.04

0.0

29 P.

-0.04

+0.7

30 L.

-0.01

+0.7

1909

s

"

Feb. 13 L.

-0.08

...

17 L.

-0.04

... W.

Sept. 6 P.

[+0.04]

[+0.3] E.

Nov. 27 P.

-0.01

+0.9

29 P.

-0.02

+1.0

1910

s

"

Feb. 1 M.

+0.04

+0.6

2 P.

-0.01

+0.8

Mar. 17 L.

[-0.04]

[+0.6]

18 P.

[-0.04]

[+0.5]

19 M.

[-0.02]

[+0.4]

Oct. 22 P.

-0.05

+0.7

Nov. 17 P.

-0.06

+0.6

Dec. 16 P.

-0.05

+0.1

1911

s

"

Mar. 6 M.

0.00

+0.4

8 L.

-0.02

+0.6

9 M.

-0.01

+0.9 E.

Mean.....

-0.009

+0.46

Mag. corr....

+0.005

[-0.004]

[+0.65]

B. D. +24° 1086

$\alpha = 5^h 59^m$

$\delta = +24^\circ 21'$

1904

s

"

Jan. 27 Ei.Y.

1.59

0.8 W.

30 Ei.Y.

1.56

0.0 W.

1905

s

"

Jan. 27 Ei.Y.

1.55

0.4 E.

1906

s

"

Jan. 29 Ei.Y.

1.57

0.2 W.

Mean.....

1.568

0.35

Mag. corr....

-0.009

B. D. +18° 1078

$\alpha = 5^h 59^m$

$\delta = +18^\circ 18'$

1904

s

"

Feb. 3 Ei.Y.

7.36

59.1 W.

4 Ei.Y.

7.40

60.2 W.

1905

s

"

Feb. 10 Ei.Y.

7.45

59.7 E.

1906

s

"

Jan. 10 Ei.Y.

7.45

58.4 W.

Mean.....

7.415

59.35

Mag. corr....

-0.008

66 Orionis

$\alpha = 5^h 59^m$

$\delta = +4^\circ 9'$

1905

s

"

Feb. 17 Br.

41.35

52.5 E.

1906

s

"

Feb. 7 Bs.

41.33

53.4 W.

19 Bs.

41.30

53.2

23 Bs.

41.38

52.4

26 Bs.

41.36

51.8

Mar. 2 Br.

41.39

52.6 W.

1907

s

"

Oct. 8 M.

41.36

53.5 E.

9 P.

41.32

52.4

14 Hl.

41.33

51.4 E.

1908

s

"

Jan. 12 P.

41.38

52.6 E.

Mean.....

41.350

52.58

Mag. corr....

-0.006

B. D. +29° 1112

$\alpha = 5^h 59^m$

$\delta = +29^\circ 31'$

1904

s

"

Feb. 6 Ei.Y.

59.40

12.8 W.

8 Ei.Y.

59.45

13.9 W.

1905

s

"

Feb. 7 Ei.Y.

59.36

13.9 E.

1906

s

"

Jan. 5 Ei.Y.

59.35

12.6 W.

Mean.....

59.390

13.30

Mag. corr....

+0.020

B. D. +21° 1116

$\alpha = 6^h 0^m$

$\delta = +21^\circ 53'$

1904

s

"

Feb. 9 Ei.Y.

42.18

47.0 W.

15 Ei.Y.

42.13

47.4 W.

1905

s

"

Mar. 2 Ei.Y.

42.18

47.1 E.

1906

s

"

Jan. 18 Ei.Y.

42.22

46.3 W.

Mean.....

42.178

46.95

Mag. corr....

-0.002

B. D. +23° 1192

$\alpha = 6^h 0^m$

$\delta = +23^\circ 38'$

1903

s

"

Dec. 3 Ei.Y.

42.85

53.1 W.

7 Ei.Y.

42.83

52.6 W.

1905

s

"

Feb. 24 Ei.Y.

42.85

53.2 E.

1906

s

"

Jan. 6 Ei.Y.

42.83

52.9 W.

Mean.....

42.840

52.95

Mag. corr....

+0.013

B. D. +26° 1082

$\alpha = 6^h 1^m$

$\delta = +26^\circ 41'$

1904

s

"

Feb. 20 Ei.R.

5.56

33.3 W.

22 Ei.M.

5.58

33.4 W.

1905

s

"

Jan. 30 Ei.Y.

5.58

33.9 E.

1906

s

"

Jan. 9 Ei.Y.

5.58

33.2 W.

Mean.....

5.575

33.45

Mag. corr....

+0.012

B. D. +16° 1000

$\alpha = 6^h 1^m$

$\delta = +16^\circ 11'$

1903

s

"

Nov. 9 Ei.Y.

10.11

15.4 W.

1904

s

"

Jan. 14 Ei.Y.

10.16

15.6 W.

1905

s

"

Jan. 27 Ei.Y.

10.10

15.8 E.

1906

s

"

Jan. 24 Ei.Y.

10.11

16.0 W.

Mean.....

10.120

15.70

Mag. corr....

+0.003

B. D. +37° 1421

$\alpha = 6^h 1^m$

$\delta = +37^\circ 59'$

1908

s

"

Jan. 15 Hl.

20.14

40.2 E.

16 Hl.

20.18

39.9 E.

Mean.....

20.160

40.05

Mag. corr....

-0.004

B. D. +27° 994

$\alpha = 6^h 1^m$

$\delta = +27^\circ 26'$

1904

s

"

Jan. 27 Ei.Y.

42.19

33.5 W.

30 Ei.Y.

42.26

33.4 W.

1905

s

"

Feb. 18 Ei.M.

42.25

33.4 E.

1906

s

"

Jan. 29 Ei.Y.

42.22

33.0 W.

Mean.....

42.230

33.32

Mag. corr....

-0.002

ν Orionis

$\alpha = 6^h 1^m 51^s.772$

$\delta = +14^\circ 46' 49^s.52$

1903

s

"

Sept. 22 R.

[-0.02]

[+0.6] W.

25 L.

[-0.03]

[+1.0]

30 R.

+0.04

+0.7

Oct. 1 L.

-0.01

-0.6

19 Br.

-0.04

-0.1

Dec. 3 Ei.Y.

-0.05

+0.7

7 Ei.Y.

-0.03

+0.8

1904

s

"

Jan. 15 Ei.Y.

+0.02

+0.4

25 Ei.Y.

-0.02

-0.1

Feb. 24 Ei.M.

+0.01

+1.1

Mar. 2 R.

-0.02

+0.8

5 R.

-0.03

+0.5

9 R.

-0.02

+0.4 W.

Sept. 30 T.

-0.02

+1.4 E.

1905

s

"

Jan. 18 Ei.M.

+0.02

+0.2

19 Y.

0.00

-0.1

Feb. 24 Ei.Y.

-0.05

+1.0

Mar. 6 Ei.Y.

-0.01

+0.6 E.

Oct. 15 Hl.

-0.03

+0.3 W.

1906

s

"

Jan. 6 Ei.Y.

-0.03

+1.3

30 Ei.Y.

-0.01

+0.3 W.

1907

s

"

Oct. 21 Hl.

-0.05

... E.

Dec. 10 Hl.

-0.03

...

24 Hl.

0.00

...

1908

s

"

Feb. 3 P.

+0.03

+0.6 E.

Nov. 8 M.

-0.07

+0.4 W.

1909

s

"

Jan. 3 P.

-0.04

+0.4

31 P.

-0.05

+0.7

Feb. 1 M.

-0.03

+0.4

2 P.

-0.03

+0.5

6 L.

-0.08

...

13 L.

-0.07

...

17 L.

-0.05

...

Mar. 5 P.

-0.02

+0.8 W.

5 L.

-0.12

+0.2 E.

24 M.

-0.09

+0.4

31 M.

-0.02

+0.5

Nov. 3 M.

-0.02

+0.8

10 M.

-0.02

+0.9

11 L.

-0.06

+0.8

12 M.

+0.05

+0.6

15 M.

-0.08

+0.6

19 L.

-0.06

+0.1 E.

1910

s

"

Feb. 1 M.

-0.02

+1.0 E.

2 P.

-0.02

+0.1

Mar. 17 L.

[-0.08]

[+0.5]

18 P.

[-0.08]

[+0.5]

Sept. 28 M.

-0.05

+0.1

1911

s

"

Jan. 9 M.

-0.05

+0.6

19 M.

0.00

+0.8

23 M.

-0.02

+0.8

Mar. 6 M.

-0.01

+0.9 E.

Mean.....

-0.028

+0.54

Mag. corr....

+0.005

74 G. Columbæ

$\alpha = 6^h 2^m$

$\delta = -29^\circ 44'$

1907

s

"

Sept. 30 Hl.

14.62

50.9 E.

Oct. 10 Hl.

14.58

50.4

24 P.

14.55

50.1

1908

s

"

Jan. 29 P.

14.59

51.0

Feb. 6 P.

14.61

50.0 E.

Oct. 14 P.

14.60

50.6 W.

15 M.

14.49

50.2

16 P.

14.55

49.4

20 L.

14.64

50.9

29 P.

14.60

51.4 W.

Mean.....

14.583

50.49

Mag. corr....

-0.001

36 Camelopardalis

$\alpha = 6^h 2^m$

$\delta = +65^\circ 44'$

1904

s

"

Feb. 11 Br.

47.55

17.5 W.

Oct. 3 Br.

47.53

17.7 E.

16 M.

47.55

18.3

18 M.

47.50

18.4

21 Y.

47.54

18.4

26 Y.

47.51

17.5 E.

1906

s

"

Feb. 7 Bs.

47.60

17.8 W.

19 Bs.

47.56

17.0

23 Bs.

47.55

17.8

26 Bs.

47.56

17.6 W.

Mean.....

47.545

17.80

Mag. corr....

-0.004

36 Camelopardalis s. p.

$\alpha = 6^h 2^m$

$\delta = +65^\circ 44'$

1905

s

"

Apr. 13 Br.

47.48

17.0 E.

1907

s

"

May 13 Hl.

47.62

17.5

Aug. 13 P.

47.57

17.6

22 P.

47.41

17.3

26 Hl.

47.64

18.1 E.

1908

s

"

May 27 M.

47.54

16.9 W.

June 2 Fk.

47.50

17.8

5 Fk.

47.61

18.2

8 P.

47.65

17.6

July 20 M.

47.64

18.4 W.

Mean.....

47.566

17.64

Mag. corr....

-0.002

B. D. +22° 1198 $\alpha = 6^h 3^m$ $\delta = +22^\circ 12'$			1904 Jan. 14 Ei.Y. 53.91 38.2 W.			1906 Jan. 6 Ei.Y. 49.90 57.8 W.			B. D. +37° 1443 $\alpha = 6^h 6^m$ $\delta = +37^\circ 11'$		
1904 Feb. 3 Ei.Y. 30.59 22.8 W.			1905 Jan. 27 Ei.Y. 53.90 39.1 E.			Mean..... 49.875 57.97			1908 Jan. 15 Hl. 42.02 1.6 E.		
4 Ei.Y. 30.64 23.5 W.			1906 Jan. 24 Ei.Y. 53.89 38.3 W.			Mag. corr.... +0.009			16 Hl. 42.03 1.9 E.		
1905 Feb. 10 Ei.Y. 30.70 23.0 E.			1908 Feb. 17 Ei.M. 53.93 39.1 E.			B. D. +19° 1253 $\alpha = 6^h 6^m$ $\delta = +19^\circ 48'$			Mean..... 42.025 1.75		
1906 Jan. 10 Ei.Y. 30.63 22.4 W.			Mean..... 53.908 38.64			1904 Feb. 20 Ei.R. 5.96 46.9 W.			Mag. corr.... -0.006		
Mean..... 30.640 22.92			Mag. corr.... +0.005			22 Ei.M. 5.98 46.7 W.			B. D. +18° 1129 $\alpha = 6^h 7^m$ $\delta = +18^\circ 42'$		
Mag. corr.... +0.023			B. D. +18° 1112 $\alpha = 6^h 5^m$ $\delta = +18^\circ 9'$			1905 Jan. 30 Ei.Y. 6.02 47.3 E.			1904 Feb. 3 Ei.Y. 40.66 24.6 W.		
B. D. +23° 1226 $\alpha = 6^h 3^m$ $\delta = +23^\circ 7'$			1904 Jan. 27 Ei.Y. 10.71 1.8 W.			1906 Jan. 9 Ei.Y. 5.94 47.6 W.			4 Ei.Y. 40.70 24.9 W.		
1904 Feb. 6 Ei.Y. 39.70 47.5 W.			1905 Feb. 18 Ei.M. 10.74 1.2 E.			Mean..... 5.975 47.12			1905 Feb. 10 Ei.Y. 40.76 24.8 E.		
8 Ei.Y. 39.68 48.6 W.			1906 Jan. 29 Ei.Y. 10.70 0.8 W.			Mag. corr.... -0.007			1906 Jan. 10 Ei.Y. 40.69 24.0 W.		
1905 Feb. 7 Ei.Y. 39.65 48.1 E.			Mean..... 10.728 1.40			ξ Orionis $\alpha = 6^h 6^m$ $\delta = +14^\circ 13'$			Mean..... 40.702 24.57		
1906 Jan. 5 Ei.Y. 39.56 47.4 W.			Mag. corr.... +0.019			1903 Sept 23 L. [15.24] [54.0] W.			Mag. corr.... +0.021		
Mean..... 39.648 47.90			B. D. +24° 1151 $\alpha = 6^h 5^m$ $\delta = +24^\circ 26'$			1907 Oct. 8 M. 15.30 54.1 E.			22 H. Camelopardalis $\alpha = 6^h 7^m 49^s.716$ $\delta = +69^\circ 21' 17''.66$		
Mag. corr.... +0.026			1904 Feb. 3 Ei.Y. 24.26 32.1 W.			10 Hl. 15.19 53.3			1903 Sept. 12 R. [+0.01] [+0.7] W.		
B. D. +19° 1237 $\alpha = 6^h 4^m$ $\delta = +19^\circ 41'$			4 Ei.Y. 24.36 32.5 W.			14 Hl. 15.18 52.9			20 R. [.....] [+0.4]		
1904 Feb. 9 Ei.Y. 4.52 35.9 W.			1905 Feb. 10 Ei.Y. 24.38 32.8 E.			1908 Feb. 3 P. 15.31 53.8			22 R. [-0.02] [+0.2]		
15 Ei.Y. 4.45 36.5 W.			1906 Jan. 10 Ei.Y. 24.26 31.9 W.			7 P. 15.24 53.5 E.			25 L. [-0.08] [+0.3]		
1905 Mar. 2 Ei.Y. 4.57 35.7 E.			Mean..... 24.315 32.32			1907 Oct. 15 M. 15.26 53.1 W.			28 R. -0.07 +0.5		
1906 Jan. 18 Ei.Y. 4.50 35.5 W.			Mag. corr.... +0.024			16 P. 15.30 53.4			30 R. +0.15 +0.6		
Mean..... 4.510 35.90			B. D. +20° 1302 $\alpha = 6^h 5^m$ $\delta = +20^\circ 55'$			20 L. 15.21 53.2			Oct. 1 L. +0.01 ... W.		
Mag. corr.... -0.001			1904 Feb. 6 Ei.Y. 24.87 33.9 W.			29 P. 15.29 53.5 W.			1907 Oct. 23 M. +0.04 -1.0 E.		
B. D. +23° 1232 $\alpha = 6^h 4^m$ $\delta = +23^\circ 0'$			8 Ei.Y. 24.88 34.0 W.			Mean..... 15.253 53.42			29 P. -0.06 +0.2		
1903 Dec. 3 Ei.Y. 25.89 58.0 W.			1905 Feb. 7 Ei.Y. 24.79 34.4 E.			Mag. corr.... +0.002			1908 Feb. 4 P. +0.06 +0.4		
7 Ei.Y. 25.89 58.8 W.			1906 Jan. 5 Ei.Y. 24.85 33.4 W.			B. D. +22° 1220 $\alpha = 6^h 6^m$ $\delta = +22^\circ 55'$			9 Hl. +0.05 +0.3		
1905 Feb. 24 Ei.Y. 25.92 58.9 E.			Mean..... 24.848 33.92			1903 Nov. 9 Ei.Y. 15.34 52.3 W.			17 M. +0.09 +0.6 E.		
1906 Jan. 6 Ei.Y. 25.94 58.6 W.			Mag. corr.... +0.013			1904 Jan. 14 Ei.Y. 15.35 52.3 W.			Mean..... +0.034 +0.23		
Mean..... 25.910 58.57			B. D. +27° 1013 $\alpha = 6^h 5^m$ $\delta = +27^\circ 9'$			1905 Jan. 27 Ei.Y. 15.36 52.9 E.			Mag. corr.... +0.002		
Mag. corr.... +0.015			1904 Feb. 9 Ei.Y. 31.14 16.9 W.			1906 Jan. 24 Ei.Y. 15.37 52.4 W.			22 H. Camelopardalis s. p. $\alpha = 6^h 7^m 49^s.715$ $\delta = +69^\circ 21' 17''.77$		
B. D. +26° 1117 $\alpha = 6^h 4^m$ $\delta = +26^\circ 2'$			15 Ei.Y. 31.15 17.0 W.			Mean..... 15.355 52.47			1904 Apr. 21 Br. +0.11 +1.0 W.		
1904 Feb. 20 Ei.R. 40.58 2.7 W.			1905 Mar. 2 Ei.Y. 31.18 16.9 E.			Mag. corr.... +0.020			May 1 R. -0.13 0.0		
22 Ei.M. 40.54 2.7 W.			1906 Jan. 18 Ei.Y. 31.18 16.3 W.			B. D. +16° 1035 $\alpha = 6^h 6^m$ $\delta = +16^\circ 9'$			2 Br. -0.02 +0.7		
1905 Jan. 30 Ei.Y. 40.58 3.2 E.			Mean..... 31.162 16.77			1904 Jan. 27 Ei.Y. 17.34 12.4 W.			June 3 Br. -0.07 +0.3		
1906 Jan. 9 Ei.Y. 40.57 3.1 W.			Mag. corr.... -0.002			1905 Feb. 18 Ei.M. 17.32 11.7 E.			15 R. +0.08 -0.4		
Mean..... 40.568 2.92			B. D. +17° 1154 (pr.) $\alpha = 6^h 5^m$ $\delta = +17^\circ 23'$			Mean..... 17.332 11.82			July 26 Br. +0.02 -0.9 W.		
Mag. corr.... +0.001			1903 Dec. 3 Ei.Y. 49.85 57.7 W.			Mag. corr.... +0.002			1907 May 29 M. 0.00 +0.4 E.		
B. D. +28° 1036 $\alpha = 6^h 4^m$ $\delta = +28^\circ 55'$			7 Ei.Y. 49.89 58.0 W.			Groombridge 1004 $\alpha = 6^h 8^m$ $\delta = +86^\circ 45'$			June 3 P. +0.11 +2.3		
1903 Nov. 9 Ei.Y. 38.5 W.			1905 Feb. 24 Ei.Y. 49.86 58.4 E.			1906 Feb. 9 Br. 2.67 35.6 W.			Aug. 13 P. -0.11 +0.5		
						1907 Oct. 2 M. 3.19 35.3 E.			20 P. -0.18 +0.1		
									22 P. -0.12 +2.0 E.		
									Mean..... -0.028 +0.55		
									Mag. corr.... +0.002		

1907			1905			B. D. +25° 1180			2 Lyncis		
Oct. 6 M.	3.82	35.7 E.	Mar. 2 Ei.Y.	0.00	+0.7 E.	$\alpha = 6^h 9^m$			$\alpha = 6^h 10^m$		
13 M.	3.47	35.0	10 Ei.Y.	-0.07	-0.1 E.	$\delta = +25^\circ 21'$			$\delta = +59^\circ 2'$		
16 M.	3.60	34.9	Oct. 5 Br.	-0.04	+0.7 W.	1903			1903		
20 M.	3.58	34.8 E.	Nov. 11 Hl.	-0.04	+1.4	Nov. 9 Ei.Y.	14.25	49.2 W.	Sept. 13 L.	[48.02]	[50.5] W.
1908			12 Hl.	+0.03	+0.6	1904			21 L.	[48.15]	[50.1]
Oct. 7 M.	3.20	35.0 W.	Dec. 11 Br.	-0.03	+0.9	Jan. 14 Ei.Y.	14.27	49.9 W.	23 L.	[47.97]	[50.4]
12 P.	2.76	34.8	1906			1905			27 L.	[47.98]	[49.5]
13 M.	2.90	35.4	Jan. 18 Ei.Y.	-0.04	+0.4 W.	Mar. 6 Ei.Y.	14.22	49.6 E.	29 L.	48.02	50.0 W.
30 L.	2.49	35.2	1907			1906			1907		
Nov. 1 M.	2.38	35.2 W.	Oct. 21 Hl.	-0.02	... E.	Jan. 24 Ei.Y.	14.22	49.5 W.	Oct. 8 M.	48.04	50.6 E.
Mean.....	3.126	35.21	Dec. 10 Hl.	-0.01	...	Mean.....	14.240	49.55	14 Hl.	47.95	50.1
Mag. corr....	+0.013		24 Hl.	-0.01	... E.	Mag. corr....	+0.003		24 P.	48.08	50.0
Groombridge 1004 s. P.			1909			B. D. +27° 1036			30 M.	48.01	50.4
$\alpha = 6^h 8^m$			Jan. 26 L.	-0.08	+0.6 W.	$\alpha = 6^h 9^m$			Nov. 5 P.	47.98	50.5 E.
$\delta = +86^\circ 45'$			31 P.	0.00	+0.5	$\delta = +27^\circ 53'$			Mean.....	48.013	50.27
1905			Feb. 1 M.	-0.04	+0.3	1904			Mag. corr....	+0.003	
Apr. 13 Br.	4.01	35.0 E.	2 P.	-0.02	+0.6	Jan. 27 Ei.Y.	36.83	36.6 W.	k Orionis		
1906			Mar. 5 P.	-0.04	+0.5	30 Ei.Y.	36.85	36.4 W.	$\alpha = 6^h 10^m$		
Apr. 15 Bs.	2.96	36.0 W.	11 L.	-0.04	+1.1 W.	1905			$\delta = +12^\circ 18'$		
27 Bs.	3.59	35.4	Oct. 5 L.	-0.04	+0.6 E.	Feb. 18 Ei.M.	36.85	36.7 E.	1904		
30 Br.	3.46	35.4	6 M.	-0.01	+0.4	1906			Oct. 4 M.	49.76	1.0 E.
May 3 Br.	3.55	35.6	31 M.	-0.03	+0.6	Jan. 29 Ei.Y.	36.84	36.3 W.	9 M.	49.71	1.1
4 Bs.	3.37	35.4 W.	Nov. 3 M.	+0.01	+0.6	30 Ei.Y.	36.84	36.2 W.	14 Y.	49.77	1.1
1907			1910			Mean.....	36.842	36.44	17 Br.	49.77	1.6 E.
Apr. 24 M.	3.65	34.8 E.	Jan. 16 P.	-0.04	+0.8	Mag. corr....	0.000		1905		
July 20 M.	3.50	35.0	19 L.	-0.02	+0.6	B. D. +16° 1060			Oct. 30 Br.	49.74	0.9 W.
31 P.	3.36	35.1	23 P.	-0.01	+0.9	$\alpha = 6^h 9^m$			1908		
Aug. 6 P.	3.57	35.2 E.	Feb. 1 M.	-0.02	+0.8	$\delta = +16^\circ 10'$			Jan. 12 P.	49.77	2.3 E.
Mean.....	3.502	35.29	2 P.	+0.03	+0.9	1904			6 L.	49.81	1.6 W.
Mag. corr....	+0.016		Mar. 17 L.	-0.02	0.0	Feb. 3 Ei.Y.	39.08	26.7 W.	15 M.	49.76	2.3
B. D. +17° 1182			18 P.	-0.06	+0.6	4 Ei.Y.	39.15	27.4 W.	16 P.	49.77	2.7
$\alpha = 6^h 8^m$			19 M.	-0.07	0.0	1905			20 L.	49.81	1.5 W.
$\delta = +17^\circ 56'$			Apr. 14 M.	[-0.12]	[-0.4]	1906			Mean.....	49.767	1.61
1904			Sept. 28 M.	-0.01	+0.1	Feb. 10 Ei.Y.	39.21	26.5 E.	Mag. corr....	0.000	
Feb. 6 Ei.Y.	38.14	5.2 W.	Oct. 22 P.	-0.09	+1.0	Jan. 10 Ei.Y.	39.18	26.3 W.	B. D. +23° 1275		
8 Ei.Y.	38.19	5.6 W.	23 M.	-0.02	-0.2	Mean.....	39.155	26.72	$\alpha = 6^h 10^m$		
1905			Dec. 16 P.	-0.01	+0.6	Mag. corr....	-0.002		$\delta = +23^\circ 46'$		
Feb. 7 Ei.Y.	38.12	4.8 E.	1911			B. D. +24° 1182			1903		
1906			Jan. 19 M.	-0.02	+0.8	$\alpha = 6^h 10^m$			Dec. 3 Ei.Y.	52.69	29.6 W.
Jan. 5 Ei.Y.	38.13	5.3 W.	23 M.	+0.01	+0.4	$\delta = +24^\circ 0'$			7 Ei.Y.	52.65	29.9 W.
Mean.....	38.145	5.22	Mar. 6 M.	0.00	+0.8	1904			1905		
Mag. corr....	+0.027		8 L.	-0.05	+0.3	Feb. 6 Ei.Y.	12.48	8.9 W.	Feb. 24 Ei.Y.	52.66	30.1 E.
η Geminorum			9 M.	-0.02	+0.3 E.	8 Ei.Y.	12.49	9.9 W.	1906		
$\alpha = 6^h 8^m 50^s.484$			Mean.....	-0.021	+0.47	1905			Jan. 6 Ei.Y.	52.64	29.5 W.
$\delta = +22^\circ 32' 8''.98$			Mag. corr....	-0.004		1906			Mean.....	52.660	29.77
1903			B. D. +19° 1270			Mean.....	12.472	9.25	Mag. corr....	+0.020	
Sept. 15 L.	[+0.01]	[+0.7] W.	1903			Mag. corr....	+0.022		B. D. +20° 1348		
18 L.	[-0.06]	[+0.4]	Dec. 2 Ei.Y.	57.78	26.2 W.	1904			$\alpha = 6^h 11^m$		
1904			7 Ei.Y.	57.81	25.7 W.	Feb. 6 Ei.Y.	12.48	8.9 W.	$\delta = +20^\circ 50'$		
Jan. 15 Ei.Y.	-0.04	0.0	1905			1905			1904		
25 Ei.Y.	-0.02	-0.2	Feb. 24 Ei.Y.	57.78	25.7 E.	Feb. 7 Ei.Y.	12.48	9.4 E.	Feb. 20 Ei.R.	30.91	35.4 W.
Feb. 9 Ei.Y.	+0.01	+0.7	1906			1906			22 Ei.M.	30.96	35.2 W.
11 Br.	-0.01	+0.5	Jan. 6 Ei.Y.	57.82	25.0 W.	Jan. 5 Ei.Y.	12.44	8.8 W.	1905		
15 Ei.Y.	-0.02	+0.7	Mean.....	57.798	25.65	Mean.....	12.472	9.25	Jan. 30 Ei.Y.	31.00	36.1 E.
24 Ei.M.	-0.04	+0.4	Mag. corr....	-0.001		Mag. corr....	+0.022		1906		
Mar. 2 R.	+0.06	+0.7	B. D. +29° 1154			B. D. +17° 1191			Jan. 9 Ei.Y.	30.92	35.5 W.
5 R.	-0.02	+0.4 W.	$\alpha = 6^h 9^m$			$\alpha = 6^h 10^m$			Mean.....	30.948	35.55
Sept. 30 T.	-0.01	0.0 E.	$\delta = +29^\circ 32'$			$\delta = +17^\circ 12'$			Mag. corr....	-0.009	
Oct. 3 Br.	-0.04	+0.4	1904			1904			B. D. +38° 1447		
16 M.	-0.05	+0.1	Feb. 20 Ei.R.	0.33	5.2 W.	Feb. 9 Ei.Y.	35.18	53.8 W.	$\alpha = 6^h 11^m$		
18 M.	-0.06	+0.3	22 Ei.M.	0.36	5.1 W.	15 Ei.Y.	35.22	53.4 W.	$\delta = +38^\circ 16'$		
21 Y.	+0.04	+0.6	1905			1905			1908		
26 Y.	-0.04	+0.4	Jan. 30 Ei.Y.	0.39	5.3 E.	Mar. 2 Ei.Y.	35.22	53.5 E.	Jan. 15 Hl.	46.74	22.7 E.
1905			1906			1906			16 Hl.	46.85	23.1 E.
Jan. 18 Ei.M.	-0.03	0.0	Jan. 9 Ei.Y.	0.34	5.0 W.	Jan. 18 Ei.Y.	35.21	52.9 W.	Mean.....	46.795	22.90
20 Br.	-0.01	+0.6	Mean.....	0.355	5.15	Mean.....	35.208	53.40	Mag. corr....	-0.001	
Feb. 6 Y.	0.00	...	Mag. corr....	+0.008		Mag. corr....	+0.017				
14 Br.	+0.01	-0.3									
16 Y.	+0.01	0.0									
17 Br.	-0.02	+0.4 E.									

B. D. +16° 1076 $\alpha = 6^h 11^m$ $\delta = +16^\circ 55'$			1905 Mar. 2 Ei.Y. 17.83 51.6 E.			B. D. +21° 1203 $\alpha = 6^h 15^m$ $\delta = +21^\circ 10'$			ζ Canis Majoris $\alpha = 6^h 16^m 28^s.397$ $\delta = -30^\circ 1' 8''.80$		
1910 Feb. 22 P. 51.90 14.0 E. 25 P. 51.95 13.9 Mar. 4 P. 51.94 14.2 5 L. 51.96 14.0 E.			1906 Jan. 18 Ei.Y. 17.79 51.3 W. Mean..... 17.830 51.62 Mag. corr.... +0.012			1904 Feb. 23 Ei.R. 15.69 36.5 W. 24 Ei.M. 15.67 36.9 W.			1903 Sept. 20 R. [+0.9] W. 24 R. [+0.04] [+2.6] 25 L. [+0.02] [+1.8] 27 L. [+0.06] [+2.3] 28 R. [+0.02] [+1.6] 29 L. +0.13 +1.2 30 R. +0.11 +1.4 Oct. 4 R. -0.01 +1.6 12 Br. +0.10 +1.2 19 Br. +0.08 +1.1 W.		
Mean..... 51.938 14.02 Mag. corr.... -0.005			B. D. +18° 1171 $\alpha = 6^h 13^m$ $\delta = +18^\circ 54'$			1905 Feb. 24 Ei.Y. 15.62 37.1 E.			1907 Nov. 5 P. +0.14 +0.8 E.		
B. D. +27° 1054 $\alpha = 6^h 12^m$ $\delta = +27^\circ 14'$			1903 Dec. 3 Ei.Y. 23.45 29.9 W. 7 Ei.Y. 23.48 29.8 W.			1906 Jan. 29 Ei.Y. 15.66 36.2 W.			1908 Jan. 24 P. +0.13 +1.9 Feb. 7 P. +0.12 +1.5 17 M. +0.15 +2.2 E.		
1903 Nov. 9 Ei.Y. 4.80 56.4 W.			1905 Feb. 24 Ei.Y. 23.46 29.9 E.			Mean..... 15.660 36.67 Mag. corr.... +0.010			Mean..... +0.106 +1.43 Mag. corr.... 0.000 [+1.84]		
1904 Jan. 14 Ei.Y. 4.86 56.1 W.			1906 Jan. 6 Ei.Y. 23.46 30.0 W.			B. D. +17° 1214 $\alpha = 6^h 15^m$ $\delta = +17^\circ 48'$			B. D. +38° 1475 $\alpha = 6^h 16^m$ $\delta = +38^\circ 5'$		
1905 Mar. 6 Ei.Y. 4.83 56.1 E.			Mean..... 23.462 29.90 Mag. corr.... -0.005			1904 Feb. 3 Ei.Y. 35.74 35.2 W. 4 Ei.Y. 35.77 35.6 W.			1908 Jan. 15 Hl. 30.33 5.2 E. 16 Hl. 30.40 4.8 E.		
1906 Jan. 24 Ei.Y. 4.81 56.1 W.			B. D. +25° 1225 $\alpha = 6^h 14^m$ $\delta = +25^\circ 13'$			1905 Feb. 10 Ei.Y. 35.77 35.6 E.			Mean..... 30.365 5.00 Mag. corr.... -0.001		
Mean..... 4.825 56.17 Mag. corr.... +0.015			1904 Feb. 20 Ei.R. 26.39 54.2 W. 22 Ei.M. 26.37 55.0 W.			1906 Jan. 10 Ei.Y. 35.73 35.4 W.			μ Geminorum $\alpha = 6^h 16^m 54^s.695$ $\delta = +22^\circ 33' 53''.35$		
B. D. +23° 1293 $\alpha = 6^h 12^m$ $\delta = +23^\circ 38'$			1905 Jan. 30 Ei.Y. 26.36 54.9 E.			Mean..... 35.752 35.45 Mag. corr.... +0.017			1903 Sept. 4 L. [+0.6] W. 6 L. [-0.01] [+1.1] 15 L. [+0.07] [+0.3] 18 L. [-0.03] [+1.1] 21 L. [-0.03] [-0.2] 22 R. [+0.4] Oct. 13 R. +0.02 -0.2		
1904 Jan. 27 Ei.Y. 48.81 31.7 W. 30 Ei.Y. 48.81 31.5 W.			1906 Jan. 9 Ei.Y. 26.33 54.8 W.			B. D. +19° 1313 $\alpha = 6^h 15^m$ $\delta = +19^\circ 56'$			1904 Feb. 20 Ei.R. 0.00 +0.8 22 Ei.M. +0.05 +0.5 25 Ei.R. +0.01 +0.6 27 Ei.M. +0.02 +0.4 Mar. 2 R. +0.02 +0.7 10 M. +0.03 +0.4 W. Oct. 4 M. +0.02 -0.1 E. 9 M. +0.04 -0.2 13 Br. +0.02 +0.5 14 Y. +0.03 -0.9 16 M. -0.01 0.0 17 Br. +0.07 +0.2 18 M. -0.03 +0.5 21 Y. +0.03 +0.1 26 Y. +0.01 +0.2		
1905 Feb. 18 Ei.M. 48.85 31.8 E.			Mean..... 26.362 54.72 Mag. corr.... +0.009			1904 Feb. 6 Ei.Y. 40.14 14.4 W. 8 Ei.Y. 40.14 15.1 W.			1905 Feb. 7 Ei.Y. 40.13 15.4 E.		
1906 Jan. 29 Ei.Y. 48.79 31.6 W.			B. D. +29° 1190 $\alpha = 6^h 14^m$ $\delta = +29^\circ 35'$			1905 Feb. 7 Ei.Y. 40.13 15.4 E.			1906 Jan. 5 Ei.Y. 40.11 14.9 W.		
Mean..... 48.815 31.65 Mag. corr.... +0.016			1903 Nov. 9 Ei.Y. 48.86 8.8 W.			Mean..... 40.130 14.95 Mag. corr.... +0.008			B. D. +23° 1322 $\alpha = 6^h 15^m$ $\delta = +23^\circ 48'$		
B. D. +17° 1203 $\alpha = 6^h 13^m$ $\delta = +17^\circ 21'$			1904 Jan. 14 Ei.Y. 48.96 9.3 W.			1904 Feb. 9 Ei.Y. 43.14 25.9 W. 15 Ei.Y. 43.15 26.5 W.			1905 Mar. 2 Ei.Y. 43.22 26.0 E.		
1904 Feb. 6 Ei.Y. 12.90 52.5 W. 8 Ei.Y. 13.00 53.4 W.			1905 Mar. 6 Ei.Y. 48.91 9.6 E.			1906 Jan. 18 Ei.Y. 43.14 25.4 W.			1906 Jan. 5 Ei.Y. 11.67 58.0 W.		
1905 Feb. 7 Ei.Y. 12.94 53.0 E.			1906 Jan. 24 Ei.Y. 48.98 9.4 W.			Mean..... 43.162 25.95 Mag. corr.... +0.003			Mean..... 11.670 57.65 Mag. corr.... -0.005		
1906 Jan. 5 Ei.Y. 12.98 52.3 W.			Mean..... 48.928 9.27 Mag. corr.... -0.014			B. D. +26° 1201 (south) $\alpha = 6^h 16^m$ $\delta = +26^\circ 42'$			1903 Dec. 3 Ei.Y. 11.64 57.8 W. 7 Ei.Y. 11.71 57.6 W.		
Mean..... 12.955 52.80 Mag. corr.... +0.021			7 Monocerotis $\alpha = 6^h 14^m 53^s.814$ $\delta = -7^\circ 46' 50''.56$			1903 Dec. 3 Ei.Y. 11.64 57.8 W. 7 Ei.Y. 11.71 57.6 W.			1905 Mar. 10 Ei.Y. 11.66 57.2 E.		
B. D. +23° 1300 $\alpha = 6^h 13^m$ $\delta = +23^\circ 30'$			1904 Feb. 11 Br. -0.04 0.0 W. Mar. 5 R. -0.02 0.0 9 R. -0.05 +0.4			1906 Jan. 6 Ei.Y. 11.67 58.0 W.			1907 Oct. 8 M. +0.02 +0.8 E. 9 P. +0.05 0.0 14 Hl. -0.04 +0.1 15 P. +0.04 +0.8 17 Hl. -0.06 ... E.		
1904 Feb. 3 Ei.Y. 13.95 32.6 W. 4 Ei.Y. 14.04 32.8 W.			1905 Oct. 5 Br. -0.04 +0.6 Dec. 11 Br. +0.06 -0.2 W.			Mean..... -0.022 -0.12 Mag. corr.... 0.000					
1905 Feb. 10 Ei.Y. 14.11 33.1 E.			1907 Oct. 10 Hl. -0.07 -0.1 E. 23 M. -0.02 +0.2 29 P. -0.05 0.0								
1906 Jan. 10 Ei.Y. 14.06 32.5 W.			Nov. 4 Hl. -0.02 -0.6								
Mean..... 14.040 32.75 Mag. corr.... +0.012			Feb. 3 P. +0.03 -1.5 E.								
B. D. +23° 1301 $\alpha = 6^h 13^m$ $\delta = +23^\circ 18'$											
1904 Feb. 9 Ei.Y. 17.86 51.8 W. 15 Ei.Y. 17.84 51.8 W.											

1907			β Canis Majoris			1908			1910		
Oct. 18 P.	+0.01	+0.8 E.	$\alpha = 6^h 18^m 17^s.745$			Oct. 7 M.	-0.01	+0.4 W.	Mar. 18 P.	+0.02	+0.8 E.
24 P.	+0.01	+0.5	$\delta = -17^\circ 54' 21''.98$			12 P.	-0.12	+0.8	19 M.	-0.02	0.0
30 M.	+0.02	...				13 M.	+0.02	+0.3	21 M.	+0.02	+0.6
Dec. 10 Hl.	+0.09	...	1905	s	"	14 P.	-0.02	+0.7	23 L.	-0.08	+0.6
24 Hl.	+0.04	... E.	Jan. 20 Br.	+0.03	+0.8 E.	29 P.	+0.02	+0.2	24 M.	-0.04	+0.3
1908			Feb. 14 Br.	+0.02	-0.8	30 L.	-0.06	+1.4	25 P.	-0.02	+0.4
Oct. 15 M.	-0.03	+0.2 W.	16 Y.	+0.04	-0.7	Nov. 1 M.	-0.05	+0.9	Apr. 2 L.	-0.07	+0.6
16 P.	-0.02	+0.9	17 Br.	+0.03	0.0 E.	1909			8 P.	-0.04	+0.4
20 L.	-0.01	+0.7	Oct. 30 Br.	+0.09	-0.5 W.	Feb. 3 L.	-0.05	+1.4	13 L.	-0.14	+0.7
29 P.	+0.02	...	1906			Mar. 11 L.	-0.04	+0.8	14 M.	-0.14	-1.2
1909			Feb. 5 Bs.	+0.08	+1.1	15 M.	-0.01	+1.0 W.	18 M.	-0.1	-0.1
Mar. 11 L.	-0.02	+0.2	9 Br.	+0.08	+1.3	Sept. 1 L.	[-0.02]	[+1.7] E.	28 M.	[-0.13]	0.0
15 M.	0.00	+0.3 W.	15 Hl.	+0.08	+0.8	19 M.	...	[+0.6]	Sept. 6 M.	-0.06	0.0
Sept. 6 P.	[+0.06]	[-0.8] E.	16 Br.	+0.07	-0.3	24 P.	[-0.04]	[+0.5]	7 P.	+0.04	+0.2
Oct. 4 P.	-0.05	+0.5	20 Br.	+0.04	-0.4	26 M.	[+0.01]	[+0.8]	9 P.	-0.08	+0.4
1910			24 Hl.	+0.04	+0.2	27 P.	[-0.01]	[+0.7]	12 M.	-0.08	-0.1
Jan. 22 M.	-0.02	-0.1	Mar. 5 Bs.	+0.04	+1.3 W.	29 P.	-0.04	+0.5	14 M.	-0.11	+1.2
Feb. 1 M.	0.00	+1.2	1907			30 M.	-0.02	+0.6	15 P.	-0.09	+0.8
2 P.	+0.02	+0.1	Oct. 4 P.	+0.03	+0.4 E.	Oct. 1 L.	-0.07	-0.1	20 M.	-0.02	+0.4
Mar. 18 P.	-0.04	+0.7	6 M.	+0.03	-1.2	4 P.	-0.03	+0.7	21 L.	-0.07	+1.0
Dec. 16 P.	-0.04	+0.3	13 M.	+0.05	-0.1	5 L.	+0.03	+0.6	24 M.	-0.06	0.0
1911			16 M.	+0.07	-0.2	6 M.	-0.03	+1.0	25 M.	-0.03	-0.2
Jan. 19 M.	+0.02	+0.4	17 Hl.	+0.05	-0.7	7 P.	+0.01	+0.8	26 P.	-0.01	+0.6
Mar. 9 M.	+0.01	+0.9 E.	20 M.	+0.04	-0.4 E.	8 L.	-0.02	+0.7	27 L.	-0.02	+1.0
Mean.....	+0.009	+0.39	1908			11 P.	0.00	+1.5	28 M.	-0.02	0.0
Mag. corr....	-0.001		Oct. 6 L.	+0.12	-0.1 W.	12 L.	-0.06	+1.2	Oct. 2 M.	-0.05	+0.3
	[+0.012][+0.36]		1909			19 M.	-0.01	+0.7	3 P.	-0.01	+0.7
B. D. +17° 1224 (mean)			Jan. 3 P.	+0.07	-0.7	21 M.	-0.02	+0.8	4 L.	-0.02	+1.0
$\alpha = 6^h 17^m$			26 L.	+0.01	+0.4	24 M.	-0.05	+0.7	9 M.	-0.07	+0.5
$\delta = +17^\circ 37'$			31 P.	+0.04	+0.3	25 P.	-0.05	+0.5	10 P.	-0.07	+0.9
1903			Feb. 1 M.	+0.02	+0.4	26 L.	-0.05	+1.6	11 L.	-0.01	+0.7
Nov. 9 Ei.Y.	0.12	23.1 W.	2 P.	+0.05	-0.4 W.	27 M.	-0.05	+0.6	13 P.	-0.01	+0.6
1904			Sept. 6 P.	[+0.05]	... E.	28 P.	0.00	+1.3	17 P.	-0.01	+1.1
Jan. 14 Ei.Y.	0.08	23.6 W.	Oct. 30 P.	0.00	-0.7	29 L.	-0.01	+0.2	20 P.	-0.04	+0.7
1905			Nov. 3 M.	+0.06	-0.1	31 M.	-0.02	+0.4	22 P.	-0.06	+1.4
Mar. 6 Ei.Y.	0.05	24.0 E.	10 M.	+0.08	0.0	4 L.	+0.05	+1.0	23 M.	-0.04	+0.4
1906			27 P.	+0.10	+0.1	11 L.	-0.01	+0.7	24 P.	-0.04	+0.4
Jan. 24 Ei.Y.	0.08	23.1 W.	Dec. 14 M.	+0.09	+0.4	12 M.	0.00	+0.9	25 L.	-0.03	+1.3
Mean.....	0.082	23.45	16 M.	+0.06	-0.2	15 M.	-0.02	+0.7	26 M.	0.00	0.0
Mag. corr....	+0.014		1910			19 L.	-0.02	+0.4	31 P.	0.00	+0.5
ψ^1 Aurigæ			Oct. 28 L.	-0.02	+0.2	25 P.	-0.07	+0.3	Nov. 19 P.	-0.03	+0.6
$\alpha = 6^h 17^m 11^s.911$			30 M.	+0.06	+1.1	26 L.	-0.05	+0.6	25 L.	-0.03	+0.5
$\delta = +49^\circ 20' 20''.58$			Nov. 1 M.	+0.04	-0.1	28 M.	0.00	+0.2	29 L.	-0.07	+2.2
1906			6 M.	+0.04	+0.3	29 P.	-0.02	+1.0	Dec. 1 P.	-0.06	+1.1
Feb. 7 Bs.	-0.03	-0.2 W.	8 L.	+0.06	+0.3	30 L.	-0.09	+1.1	7 L.	-0.03	+0.8
19 Bs.	+0.04	+0.1	11 L.	+0.03	-0.1	Dec. 1 M.	-0.10	+1.0	8 M.	-0.01	+0.6
23 Bs.	+0.01	+0.1	20 M.	+0.07	-0.1	3 L.	-0.04	+1.0	9 P.	+0.02	+1.3
26 Bs.	-0.03	-0.2	21 P.	+0.09	+0.6	5 M.	-0.02	+0.1	13 M.	-0.09	+0.7
Mar. 2 Br.	+0.04	+0.5 W.	22 L.	+0.02	+0.2	6 L.	-0.07	...	14 L.	-0.05	+0.5
1908			1911			9 L.	-0.03	+0.8	15 M.	-0.02	-0.3
Jan. 25 M.	-0.11	+0.3 E.	Jan. 19 M.	+0.06	+0.8	10 M.	-0.03	+0.5	17 L.	-0.01	+0.6
Feb. 3 P.	-0.06	+0.1	Mar. 20 M.	+0.02	+0.6 E.	17 L.	-0.03	+0.8	20 P.	-0.03	+1.1
4 P.	-0.04	+0.6	Mean.....	+0.051	+0.09	21 P.	-0.06	+1.2	21 L.	+0.03	+0.9
9 Hl.	-0.03	-0.5	Mag. corr....	+0.009		28 L.	-0.01	+0.4	26 P.	-0.03	+0.4
19 P.	-0.18	+0.5 E.				31 P.	-0.06	+0.9			
Mean.....	-0.039	+0.13							1911		
Mag. corr....	0.000								Jan. 4 L.	-0.07	+1.2
B. D. +17° 1232									7 L.	-0.05	+0.5
$\alpha = 6^h 18^m$									9 M.	-0.06	+0.8
$\delta = +17^\circ 5'$									10 P.	-0.02	+0.7
1910									16 P.	-0.03	+0.7
Feb. 22 P.	5.84	40.5 E.							20 P.	-0.03	+1.0
25 P.	5.90	40.6							23 M.	0.00	+0.8
Mar. 4 P.	5.84	40.9							24 P.	-0.02	+0.9
5 L.	5.86	40.2 E.							25 L.	-0.01	+0.8
Mean.....	5.860	40.55							28 L.	-0.02	+1.3
Mag. corr....	-0.002								30 M.	-0.04	+0.1
									Feb. 4 L.	-0.04	+1.2
									7 P.	+0.01	+1.0
									10 P.	-0.01	+1.6
									13 L.	+0.04	+0.6
									21 P.	-0.07	+1.1
									23 M.	-0.04	+0.6
									24 P.	-0.11	+0.9
									25 L.	+0.01	+0.6
									27 M.	-0.04	+0.7
									Mar. 1 L.	-0.04	+1.1
									3 P.	+0.05	+0.8
									6 M.	-0.02	+1.0 E.

1911			B. D. +18° 1214			1906			1906		
Mar. 8 L.	-0.02	+0.6 E.	$\alpha = 6^h 20^m$ $\delta = +18^\circ 49'$			Jan. 10 Ei.Y.	59.79	23.3 W.	Mar. 1 Hl.	+0.01	+0.2 W.
9 M.	-0.05	+0.8	1903			Mean.....	59.820	24.02	1907		
10 P.	+0.01	+0.6	Dec. 3 Ei.Y.	18.54	4.4 W.	Mag. corr....	+0.022		Oct. 13 M.	-0.06	-0.1 E.
11 L.	-0.02	+1.3	7 Ei.Y.	18.46	4.9 W.	6 Lynx			16 M.	-0.03	-0.3
16 M.	-0.01	+1.2	1905			$\alpha = 6^h 22^m$ $\delta = +58^\circ 14'$			20 M.	-0.08	+0.3
17 P.	-0.05	+0.2	Feb. 24 Ei.Y.	18.53	4.3 E.	1904			1908		
21 P.	[-0.05] [+0.5]		1906			Feb. 11 Br.	6.05	8.7 W.	Jan. 25 M.	-0.04	-0.2
23 M.	[-0.01] [+0.7]		Jan. 6 Ei.Y.	18.47	4.5 W.	Oct. 16 M.	6.05	8.8 E.	Feb. 3 P.	-0.08	-0.3
24 P.	[-0.10] [+0.3]		Mean.....	18.500	4.52	18 M.	6.05	8.3	4 P.	0.00	+0.2 E.
25 L.	+0.02	+1.0	Mag. corr....	+0.013		21 Y.	6.15	9.2	Oct. 16 P.	+0.03	+0.3 W.
28 P.	[-0.03] [+1.1]		B. D. +21° 1241			26 Y.	6.04	8.8	29 P.	-0.03	+0.3
31 P.	[-0.08] [+0.6]		$\alpha = 6^h 21^m$ $\delta = +21^\circ 21'$			27 Br.	6.06	8.2 E.	30 L.	-0.02	+1.2
Apr. 6 M.	[-0.07] [-0.8] E.		1904			1906			Nov. 1 M.	-0.03	+0.3
Mean.....	-0.026	+0.77	Feb. 20 Ei.R.	19.66	13.2 W.	Feb. 19 Bs.	6.18	8.3 W.	1909		
Mag. corr....	+0.003		22 Ei.M.	19.65	13.3 W.	23 Bs.	6.08	8.1	Jan. 3 P.	0.00	-0.1
	[-0.049] [+0.44]		1905			Mar. 5 Bs.	6.06	8.2	26 L.	+0.02	+0.2
B. D. +25° 1255			Feb. 24 Ei.Y.	19.62	13.3 E.	Oct. 11 Hl.	6.04	7.6 W.	31 P.	-0.10	0.0
$\alpha = 6^h 18^m$ $\delta = +25^\circ 6'$			1906			Mean.....	6.076	8.42	Feb. 1 M.	-0.09	0.0
1904			Jan. 9 Ei.Y.	19.60	13.0 W.	Mag. corr....	-0.010		2 P.	-0.07	-0.3
Feb. 23 Ei.R.	34.20	5.2 W.	Mean.....	19.632	13.20	B. D. +30° 1238			Mar. 11 L.	-0.06	+0.9
24 Ei.M.	34.18	5.3 W.	Mag. corr....	+0.003		$\alpha = 6^h 22^m$ $\delta = +30^\circ 33'$			15 M.	-0.03	0.0
1905			B. D. +39° 1635			1904			16 P.	-0.05	-0.4 W.
Feb. 18 Ei.M.	34.15	5.2 E.	$\alpha = 6^h 21^m$ $\delta = +39^\circ 10'$			Feb. 6 Ei.Y.	8.47	18.1 W.	19 M.	-0.06	+0.4
1906			1908			8 Ei.Y.	8.49	18.1 W.	21 M.	-0.04	+0.2
Jan. 29 Ei.Y.	34.15	4.8 W.	Jan. 15 Hl.	36.32	19.2 E.	Feb. 7 Ei.Y.	8.53	18.5 E.	24 M.	-0.01	+0.5
Mean.....	34.170	5.12	16 Hl.	36.32	19.1 E.	1906			25 P.	-0.08	+0.4
Mag. corr....	+0.016		Mean.....	36.320	19.15	Jan. 5 Ei.Y.	8.46	17.4 W.	26 L.	-0.07	+0.6
B. D. +28° 1109			Mag. corr....	-0.002		Mean.....	8.488	18.02	27 M.	-0.09	+0.5
$\alpha = 6^h 18^m$ $\delta = +28^\circ 5'$			B. D. +20° 1427			Mag. corr....	-0.002		1910		
1904			$\alpha = 6^h 21^m$ $\delta = +20^\circ 51'$			B. D. +61° 889			Oct. 20 P.	-0.06	-0.1
Feb. 3 Ei.Y.	41.16	7.4 W.	1903			$\alpha = 6^h 22^m$ $\delta = +61^\circ 19'$			25 L.	-0.06	+0.6
4 Ei.Y.	41.26	7.7 W.	Nov. 9 Ei.Y.	48.87	2.8 W.	1907			28 L.	-0.01	+0.1
1905			1904			Oct. 4 P.	14.37	28.0 E.	30 M.	-0.07	0.0
Feb. 10 Ei.Y.	41.27	7.7 E.	Jan. 14 Ei.Y.	48.94	3.3 W.	8 M.	14.32	26.7 E.	1911		
1906			1905			Mean.....	14.345	27.35	Mar. 16 M.	-0.03	+0.3
Jan. 10 Ei.Y.	41.21	6.6 W.	Mar. 6 Ei.Y.	48.94	3.4 E.	Mag. corr....	-0.010		17 P.	-0.04	+0.5
Mean.....	41.225	7.35	Jan. 24 Ei.Y.	48.95	3.3 W.	B. D. +27° 1122			20 M.	-0.08	+0.6 E.
Mag. corr....	+0.003		Mean.....	48.925	3.20	$\alpha = 6^h 22^m$ $\delta = +27^\circ 1'$			Mean.....	-0.044	+0.22
B. D. +23° 1347			Mag. corr....	+0.016		1904			Mag. corr....	+0.001	
$\alpha = 6^h 19^m$ $\delta = +23^\circ 22'$			B. D. +23° 1362			Feb. 9 Ei.Y.	40.84	55.9 W.		[-0.027] [+0.31]	
1904			$\alpha = 6^h 21^m$ $\delta = +23^\circ 43'$			15 Ei.Y.	40.82	55.9 W.	v Geminorum		
Feb. 6 Ei.Y.	28.25	56.1 W.	1904			Mar. 2 Ei.Y.	40.85	56.0 E.	$\alpha = 6^h 23^m 1^s 530$ $\delta = +20^\circ 16' 31'' 81$		
8 Ei.Y.	28.27	56.8 W.	Feb. 23 Ei.R.	53.09	46.4 W.	1906			1903		
1905			24 Ei.M.	53.11	46.7 W.	Jan. 18 Ei.Y.	40.85	55.3 W.	Sept. 13 L.	[+0.04] [+0.3] W.	
Feb. 7 Ei.Y.	28.25	56.6 E.	1905			Mean.....	40.840	55.77	15 L.	[+0.05] [+0.5]	
1906			Feb. 18 Ei.M.	53.12	46.5 E.	Mag. corr....	+0.017		18 L.	[-0.03] [+0.3]	
Jan. 5 Ei.Y.	28.29	55.8 W.	1906			10 Monocerotis			23 L.	[+0.01] [+0.8]	
Mean.....	28.265	56.32	Jan. 29 Ei.Y.	53.09	46.4 W.	$\alpha = 6^h 23^m 1^s 337$ $\delta = -4^\circ 42' 0'' 79$			Oct. 1 L.	-0.04	-0.5
Mag. corr....	-0.010		Mean.....	53.102	46.50	1903			Dec. 3 Ei.Y.	+0.07	+0.8
B. D. +21° 1232			Mag. corr....	-0.002		Oct. 4 R.	-0.05	+0.1 W.	7 Ei.Y.	-0.02	0.0
$\alpha = 6^h 19^m$ $\delta = +21^\circ 42'$			B. D. +20° 1428			Dec. 11 Ei.Y.	-0.03	-0.5	1904		
1904			$\alpha = 6^h 21^m$ $\delta = +20^\circ 33'$			22 Ei.Y.	-0.07	-0.2	Jan. 27 Ei.Y.	+0.08	+0.1
Feb. 9 Ei.Y.	42.68	1.9 W.	1904			Mean.....	-0.07	-0.2	30 Ei.Y.	+0.07	+0.2
15 Ei.Y.	42.64	2.5 W.	Feb. 3 Ei.Y.	59.80	23.7 W.	1905			Mar. 15 Br.	+0.01	-0.8
1905			4 Ei.Y.	59.81	24.4 W.	Feb. 25 Ei.R.	-0.05	+0.9	16 M.	+0.03	-0.1 W.
Mar. 2 Ei.Y.	42.65	2.2 E.	1905			27 Ei.M.	-0.07	0.0	1906		
1906			Feb. 10 Ei.Y.	59.88	24.7 E.	Mar. 8 Br.	-0.02	+1.3	Feb. 10 Ei.Y.	0.00	+1.0 E.
Jan. 18 Ei.Y.	42.63	1.5 W.	B. D. +20° 1428			10 M.	-0.03	0.0 W.	Dec. 26 Ei.Y.	0.00	-0.1 W.
Mean.....	42.650	2.02	$\alpha = 6^h 21^m$ $\delta = +20^\circ 33'$			1904			1907		
Mag. corr....	+0.016		1904			Feb. 25 Ei.R.	-0.05	+0.9	Oct. 18 P.	+0.03	+0.7 E.

1908			λ Canis Majoris			B. D. +17° 1286 (fol.)			1908		
Feb. 17	Ei.M.	+0.05	+0.6	E.	α = 6 ^h 24 ^m	α = 6 ^h 26 ^m	Dec. 3	Ei.Y.	28.41	17.6	W.
Oct. 6	L.	+0.02	+0.4	W.	δ = -32° 30'	δ = +17° 51'	7	Ei.Y.	28.43	18.4	W.
7	M.	+0.03	+0.1				1903				
12	P.	-0.03	+1.0		1904		Feb. 24	Ei.Y.	28.39	18.0	E.
13	M.	+0.04	+0.3		Nov. 1	M.	Mar. 2	Ei.Y.	28.42	18.2	E.
14	P.	+0.02	+0.6		27.74	59.5	E.	1905			
15	M.	+0.02	+0.2		Oct. 30	Br.	Jan. 6	Ei.Y.	28.42	18.5	W.
1909											
Mar. 1	M.	+0.03	-0.4	W.	1906		Mean.....	28.414	18.14		
Oct. 4	P.	+0.01	+0.4	E.	Feb. 5	Bs.	Mag. corr....	+0.009			
5	L.	+0.03	0.0		27.70	60.6					
6	M.	+0.04	+0.3		15	Hl.					
7	P.	+0.05	+0.7		27.79	59.8					
8	L.	-0.01	+0.6		16	Br.					
11	P.	-0.03	+1.2		27.75	61.2					
12	L.	-0.05	+1.0		20	Br.					
31	M.	+0.02	+0.1		27.75	61.1					
Nov. 3	M.	0.00	+0.1		24	Ill.					
28	M.	-0.01	-0.3		27.73	60.8	W.				
29	P.	+0.03	+0.3		1907						
Dec. 16	M.	+0.01	+0.2		Oct. 23	M.					
17	L.	+0.07	+0.9		27.75	60.3	E.				
31	P.	+0.01	+0.4		24	P.					
1910						27.79	60.4				
Jan. 10	M.	+0.07	+0.4		29	P.					
22	M.	+0.08	+0.2		27.77	60.6					
23	P.	-0.01	+0.4		Nov. 4	Hl.					
Feb. 19	L.	+0.01	-0.1		27.84	61.1	E.				
Mar. 18	P.	+0.03	+0.7		Mean.....	27.761	60.61				
19	M.	+0.03	0.0		Mag. corr....	+0.004					
Apr. 14	M.	[-0.04]	[-0.9]		B. D. +17° 1275						
Oct. 24	P.	+0.01	+0.4		α = 6 ^h 25 ^m						
Nov. 17	P.	-0.01	-0.1		δ = +17° 0'						
Dec. 15	M.	+0.04	-0.3		1904						
1911						Feb. 23	Ei.R.	22.28	31.1	W.	
Jan. 9	M.	-0.02	+0.4		24	Ei.M.	22.30	31.0	W.		
19	M.	+0.01	-0.2		1905						
30	M.	+0.03	+0.2		Feb. 18	Ei.M.	22.28	30.6	E.		
Mar. 8	L.	+0.01	0.0		1906						
9	M.	+0.04	+0.6	E.	Jan. 29	Ei.Y.	22.26	30.7	W.		
Mean.....		+0.021	+0.29		Mean.....	22.280	30.85				
Mag. corr....		+0.008			Mag. corr....	+0.021					
		[+0.006][+0.20]			B. D. +16° 1178						
B. D. +28° 1138						α = 6 ^h 25 ^m					
α = 6 ^h 24 ^m						δ = +15° 58'					
δ = +28° 16'						1904					
1904					Feb. 3	Ei.Y.	52.24	25.3	W.		
Feb. 20	Ei.R.	3.44	42.4	W.	4	Ei.Y.	52.30	25.1	W.		
22	Ei.M.	3.46	42.1	W.	1905						
1905						Feb. 10	Ei.Y.	52.33	25.4	E.	
Jan. 30	Ei.Y.	3.42	42.2	E.	1906						
1906						Jan. 10	Ei.Y.	52.32	24.3	W.	
Jan. 9	Ei.Y.	3.42	42.8	W.	Mean.....	52.298	25.02				
Mean.....		3.435	42.37		Mag. corr....	+0.019					
Mag. corr....		+0.014			B. D. +22° 1364						
B. D. +29° 1248						α = 6 ^h 25 ^m					
α = 6 ^h 24 ^m						δ = +22° 15'					
δ = +29° 53'						1904					
1904					Feb. 6	Ei.Y.	58.03	22.0	W.		
Feb. 25	Ei.R.	22.24	46.8	W.	8	Ei.Y.	57.97	23.6	W.		
27	Ei.M.	22.24	46.1	W.	1905						
1905						Feb. 7	Ei.Y.	57.95	23.1	E.	
Mar. 6	Ei.Y.	22.28	46.9	E.	1906						
1906						Jan. 5	Ei.Y.	58.00	22.3	W.	
Jan. 24	Ei.Y.	22.30	46.3	W.	Mean.....	57.988	22.75				
Mean.....		22.265	46.52		Mag. corr....	+0.009					
Mag. corr....		-0.001			B. D. +17° 1286 (pr.)						
						α = 6 ^h 26 ^m					
						δ = +17° 51'					
						1904					
						Feb. 9	Ei.Y.	27.71	1.4	W.	
						15	Ei.Y.	27.66	1.0	W.	
						1905					
						Mar. 2	Ei.Y.	27.75	0.9	E.	
						Dec. 26	Ei.Y.	27.68	0.8	W.	
						Mean.....	27.700	1.02			
						Mag. corr....	+0.002				
						B. D. +17° 1286 (fol.)					
						α = 6 ^h 26 ^m					
						δ = +17° 51'					
						1903					
						Sept. 13	L.	[29.81]	[23.5]	W.	
						18	L.	[29.82]	[23.0]		
						20	R.		[22.7]		
						21	L.	[29.79]	[22.3]		
						23	L.	[29.80]	[23.1]		
						25	L.	[29.74]	[23.2]		
						27	L.	[29.77]	[23.3]		
						29	L.	[29.83]	[23.1]		
						30	R.	[29.84]	[23.6]		
						Oct. 1	L.	29.82	22.2		
						4	R.	29.78	23.0		
						1904					
						Mar. 9	R.	29.83	23.4		
						16	M.	29.82	22.7	W.	
						1907					
						Oct. 10	Hl.	29.76	23.3	E.	
						15	P.	29.78	23.1		
						18	P.	29.82	23.2	E.	

1907			1906			B. D. +37° 1553			1911		
Oct. 6 M.	+0.03	+0.6 E.	Jan. 6 Ei.Y.	14.72	41.0 W.	$\alpha = 6^h 31^m$			Jan. 30 M.	+0.07	+0.7 E.
13 M.	+0.12	+0.3				$\delta = +37^\circ 12'$			Mar. 17 P.	+0.02	+0.7
16 M.	-0.07	+0.3	Mean.....	14.698	41.47				21 P.	-0.04	+1.2
20 M.	+0.17	+0.4	Mag. corr....	+0.015					23 M.	+0.05	+0.8
1908			B. D. +23° 1425			1908			24 P.	-0.09	+0.3 E.
Jan. 25 M.	+0.04	-0.1 E.	$\alpha = 6^h 30^m$			Jan. 15 Hl.	45.53	1.6 E.	Mean.....	+0.015	+0.60
Oct. 6 L.	+0.18	+0.5 W.	$\delta = +23^\circ 10'$			16 Hl.	45.49	1.5 E.	Mag. corr....	+0.006	
Mean.....	+0.081	+0.23				Mean.....	45.510	1.55	[-0.008][+0.77]		
Mag. corr....	-0.004					Mag. corr....	0.000		B. D. +29° 1293		
23 H. Camelopardalis s. p.			1904			γ Geminorum			$\alpha = 6^h 32^m$		
$\alpha = 6^h 29^m 10^s.186$			Feb. 20 Ei.R.	38.56	47.6 W.	$\delta = +16^\circ 29' 4''.58$			$\delta = +29^\circ 4'$		
$\delta = +79^\circ 40' 18''.81$			22 Ei.M.	38.56	47.2 W.						
1903			1905			1903			1904		
Sept. 21 R.	+0.10	+1.5 W.	Jan. 30 Ei.Y.	38.61	47.3 E.	Sept. 12 R.	[+0.04]	[+0.9] W.	Feb. 3 Ei.Y.	2.47	11.9 W.
22 L.	+0.12	+0.7	1906			13 L.	[+0.03]	[+0.7]	4 Ei.Y.	2.49	13.1 W.
24 L.	+0.08	+0.8	Jan. 29 Ei.Y.	38.59	47.0 W.	15 L.	[+0.07]	[+0.7]	1905		
25 R.	+0.21	+0.7	Mean.....	38.580	47.27	18 L.	[-0.01]	[+1.2]	Feb. 10 Ei.Y.	2.59	12.5 E.
1904			Mag. corr....	+0.014		20 R.	.....	[+0.2]	1906		
May 1 R.	+0.10	-0.3	ξ^2 Canis Majoris			21 L.	[-0.01]	[+0.1]	Jan. 29 Ei.Y.	2.56	11.9 W.
2 Br.	0.00	+0.1	$\alpha = 6^h 30^m 51^s.934$			22 R.	[-0.02]	[+0.8]	Mean.....	2.528	12.35
12 Br.	+0.10	+0.4	$\delta = -22^\circ 53' 5''.94$			23 L.	[-0.05]	[+1.1]	Mag. corr....	-0.005	
13 M.	-0.03	+0.4	1904			25 L.	[-0.04]	[+1.1]	B. D. +26° 1300		
June 3 Br.	+0.08	+0.3	Oct. 16 M.	-0.02	-1.3 E.	27 L.	[-0.07]	[+0.7]	$\alpha = 6^h 32^m$		
24 M.	+0.02	-0.2	18 M.	+0.01	-1.0	28 R.	[-0.02]	[+0.9]	$\delta = +26^\circ 35'$		
July 30 M.	+0.02	+0.1 W.	21 Y.	-0.01	-1.7	29 L.	[-0.01]	[+0.8]	1904		
1907			26 Y.	+0.03	-0.5	30 R.	+0.02	+0.5	Feb. 6 Ei.Y.	26.70	9.7 W.
May 12 M.	-0.06	+0.5 E.	27 Br.	0.00	-0.8 E.	Oct. 1 L.	-0.05	+0.6	8 Ei.Y.	26.73	10.3 W.
14 P.	-0.14	-0.3	1906			4 R.	0.00	+0.2	1905		
July 26 Hl.	+0.27	+1.1	Mar. 5 Bs.	+0.05	-0.5 W.	13 R.	+0.01	0.0	Feb. 7 Ei.Y.	26.61	10.3 E.
27 P.	+0.27	+0.2	1908			Nov. 9 Ei.Y.	0.00	+0.1	1906		
31 P.	+0.14	+1.0 E.	Oct. 16 P.	+0.17	-0.7	1904			Jan. 10 Ei.Y.	26.65	10.1 W.
Mean.....	+0.080	+0.44	29 P.	+0.04	-2.0	Feb. 23 Ei.R.	0.00	+0.7	Mean.....	26.672	10.10
Mag. corr....	-0.003		30 L.	+0.06	+0.5	24 Ei.M.	+0.03	+1.4	Mag. corr....	-0.009	
B. D. +20° 1496			Nov. 1 M.	+0.01	-1.3 W.	Mar. 8 Br.	-0.02	+0.8	B. D. +22° 1416		
$\alpha = 6^h 29^m$			Mean.....	+0.034	-0.93	10 M.	+0.01	+0.1	$\alpha = 6^h 33^m$		
$\delta = +20^\circ 58'$			Mag. corr....	+0.005		15 Br.	-0.01	+0.9	$\delta = +22^\circ 7'$		
1904			B. D. +24° 1328			16 M.	+0.02	+0.7 W.	1904		
Feb. 6 Ei.Y.	38.76	9.0 W.	$\alpha = 6^h 31^m$			Nov. 1 M.	+0.04	+0.5 E.	Feb. 9 Ei.Y.	4.41	8.1 W.
8 Ei.Y.	38.82	9.4 W.	$\delta = +24^\circ 40'$			1905			15 Ei.Y.	4.42	7.7 W.
1905			1904			Feb. 6 Y.	-0.03	...	1905		
Feb. 7 Ei.Y.	38.76	9.5 E.	Feb. 25 Ei.R.	19.44	27.4 W.	18 Ei.M.	+0.04	+0.3 E.	Mar. 2 Ei.Y.	4.36	8.5 E.
1906			27 Ei.M.	15.36	26.8 W.	Dec. 26 Ei.Y.	+0.02	-0.1 W.	1906		
Jan. 10 Ei.Y.	38.76	9.0 W.	1905			1906			Jan. 5 Ei.Y.	4.32	7.5 W.
Mean.....	38.775	9.22	Mar. 10 Ei.Y.	19.43	26.4 E.	Jan. 24 Ei.Y.	+0.02	+0.1	Mean.....	4.378	7.95
Mag. corr....	0.000		1906			30 Ei.Y.	+0.02	+0.4	Mag. corr....	+0.020	
B. D. +17° 1306			Jan. 9 Ei.Y.	19.44	27.0 W.	Mar. 1 Hl.	-0.01	+0.1	B. D. +28° 1196		
$\alpha = 6^h 30^m$			Mean.....	19.418	26.90	Oct. 11 Hl.	+0.02	... W.	$\alpha = 6^h 33^m$		
$\delta = +17^\circ 46'$			Mag. corr....	+0.019		Oct. 10 Hl.	+0.02	+0.8 E.	$\delta = +28^\circ 21'$		
1904			51 Aurigæ			17 Hl.	+0.08	...	1903		
Feb. 9 Ei.Y.	4.34	22.5 W.	$\alpha = 6^h 31^m 43^s.799$			23 M.	+0.02	+1.3	Dec. 3 Ei.Y.	14.81	6.4 W.
15 Ei.Y.	4.29	22.8 W.	$\delta = +39^\circ 28' 43''.88$			24 P.	+0.09	+0.4	7 Ei.Y.	14.75	5.7 W.
1905			1904			29 P.	-0.03	+1.4	1905		
Mar. 2 Ei.Y.	4.34	22.7 E.	Mar. 9 R.	+0.02	+1.0 W.	30 M.	+0.02	+0.7	Feb. 24 Ei.Y.	14.81	6.1 E.
1906			1905			Nov. 4 Hl.	+0.03	+0.6	Dec. 26 Ei.Y.	14.76	5.5 W.
Jan. 5 Ei.Y.	4.30	22.1 W.	Jan. 20 Br.	+0.01	+0.7 E.	5 P.	0.00	+0.9	Mean.....	14.782	5.92
Mean.....	4.318	22.52	Feb. 14 Br.	-0.02	+0.3	Dec. 10 Hl.	-0.02	...	Mag. corr....	-0.008	
Mag. corr....	+0.007		16 Y.	-0.01	+0.4 E.	19 Hl.	+0.05	...	B. D. +77° 256		
B. D. +16° 1210			1906			1908			$\alpha = 6^h 33^m$		
$\alpha = 6^h 30^m$			Feb. 10 Hl.	+0.02	+0.2 W.	Jan. 24 P.	+0.06	+0.6	$\delta = +77^\circ 5'$		
$\delta = +16^\circ 52'$			23 Bs.	+0.07	-0.4 W.	Feb. 17 Ei.M.	+0.06	+1.5 E.	1907		
1903			1907			1909			Oct. 13 M.	58.96	26.9 E.
Dec. 3 Ei.Y.	14.66	41.7 W.	Oct. 14 Hl.	+0.01	+0.4 E.	Jan. 31 P.	+0.07	+0.4 W.	16 M.	58.90	27.0 E.
7 Ei.Y.	14.70	41.6 W.	15 P.	+0.02	+1.0 E.	Mar. 16 P.	+0.03	-0.1	Mean.....	58.930	26.95
1905			1908			17 L.	-0.01	+0.6	Mag. corr....	-0.005	
Feb. 24 Ei.Y.	14.71	41.6 E.	Oct. 7 M.	0.00	+0.6 W.	18 M.	+0.03	0.0 W.	B. D. +77° 256		
			15 M.	+0.08	+0.4 W.	Oct. 7 P.	+0.02	+0.4 E.	$\alpha = 6^h 33^m$		
			Mean.....	+0.020	+0.46	8 L.	0.00	...	$\delta = +77^\circ 5'$		
			Mag. corr....	-0.004		11 P.	-0.02	+1.8	1907		
						Dec. 31 P.	+0.02	+0.7	Oct. 13 M.	58.96	26.9 E.
						1910			16 M.	58.90	27.0 E.
						Jan. 3 P.	+0.02	+0.7	Mean.....	58.930	26.95
						Feb. 1 M.	0.00	+0.9	Mag. corr....	-0.005	
						2 P.	+0.03	+0.5			
						19 L.	+0.03	+0.5			
						Dec. 16 P.	-0.02	+0.3 E.			

B. D. +23° 1446			1906			ε Geminorum			1911				
$\alpha = 6^h 34^m$ $\delta = +23^\circ 45'$			Jan. 5 Ei.Y.	0.00	+0.1 W.	$\alpha = 6^h 37^m 46^s.806$ $\delta = +25^\circ 13' 48''.80$			Mar. 24 P.	-0.10	0.0 E.		
			30 Ei.Y.	+0.04	+0.3				25 L.	-0.01	+0.6 E.		
1904			Feb. 23 Bs.	0.00	+0.1 W.	1903			Mean.....	+0.015	+0.23		
Feb. 20 Ei.R.	0.01	50.1 W.	1907			Sept. 13 L.	[+0.04]	[+0.3] W.	Mag. corr....	0.000	[+0.005][+0.41]		
22 Ei.M.	0.05	50.2 W.	Oct. 8 M.	+0.01	+0.6 E.	15 L.	+0.06	+0.4	B. D. +39° 1731				
1905			9 P.	+0.05	+0.4	18 L.	+0.02	+0.8	$\alpha = 6^h 38^m$ $\delta = +39^\circ 28'$				
Jan. 30 Ei.Y.	0.10	50.8 E.	14 Hl.	-0.03	-0.4	21 L.	+0.06	0.0	1908				
1906			17 Hl.	0.00	+0.8	22 R.	+0.03	+0.4	Jan. 15 Hl.	14.54	20.8 E.		
Jan. 6 Ei.Y.	0.06	50.1 W.	23 M.	-0.08		23 L.	-0.11	+1.1	16 Hl.	14.51	20.9 E.		
Mean.....	0.055	50.30	29 P.	-0.04	+1.1	24 R.	0.00	+1.2	Mean.....	14.525	20.85		
Mag. corr....	+0.002		Nov. 4 Hl.	+0.03	+0.1	25 L.	-0.02	+0.8	Mag. corr....	-0.004			
B. D. +19° 1430			5 P.	+0.02	+0.7	27 L.	-0.02	+0.5	B. D. +29° 1327				
$\alpha = 6^h 34^m$ $\delta = +19^\circ 44'$			Dec. 19 Hl.	+0.04	+0.2	28 R.	0.00	+0.3	$\alpha = 6^h 38^m$ $\delta = +29^\circ 4'$				
1904			1908			29 L.	0.00	+0.6	1903				
Feb. 25 Ei.R.	7.65	59.0 W.	Jan. 16 Hl.	-0.04		30 R.	+0.06	+0.3	Dec. 3 Ei.Y.	25.32	19.9 W.		
27 Ei.M.	7.61	58.9 W.	25 M.	0.00	-0.1 E.	Oct. 1 L.	-0.02	-0.3	7 Ei.Y.	25.26	19.7 W.		
1905			Oct. 7 M.	+0.03	+0.6 W.	4 R.	-0.01	0.0	1905				
Mar. 10 Ei.Y.	7.61	58.2 E.	30 L.	+0.06	+1.5	12 Br.	+0.08	-0.2	Feb. 24 Ei.Y.	25.25	20.2 E.		
1906			Nov. 1 M.	+0.01	+1.1				1906				
Jan. 9 Ei.Y.	7.66	58.3 W.	1909			Feb. 9 Ei.Y.	+0.01	+0.1	Jan. 18 Ei.Y.	25.27	19.0 W.		
Mean.....	7.632	58.60	Jan. 26 L.	+0.03	+1.3	15 Ei.Y.	0.00	-0.1	Mean.....	25.275	19.70		
Mag. corr....	+0.007		31 P.	+0.03	+0.7	16 M.	+0.10	+0.2 W.	Mag. corr....	-0.005			
B. D. +28° 1207			Feb. 1 M.	-0.01	+0.6				B. D. +20° 1549				
$\alpha = 6^h 35^m$ $\delta = +28^\circ 17'$			2 P.	+0.03	+0.6	1905			$\alpha = 6^h 38^m$ $\delta = +20^\circ 47'$				
1904			3 L.	+0.02	+1.0	Feb. 6 Y.	0.00		1904				
Feb. 23 Ei.R.	2.75	21.0 W.	Mar. 11 L.	+0.06	+1.2	7 Ei.Y.	-0.04	+0.6	Feb. 20 Ei.R.	33.05	37.0 W.		
24 Ei.M.	2.78	21.5 W.	15 M.	-0.01	+0.8	10 Ei.Y.	+0.03	+0.6	22 Ei.M.	33.07	37.2 W.		
1905			17 L.	+0.03	+1.2	18 Ei.M.	+0.08	0.0	1905				
Feb. 18 Ei.M.	2.79	20.8 E.	18 M.	0.00	+1.1 W.	Mar. 2 Ei.Y.	0.00	+0.5	Jan. 30 Ei.Y.	33.05	37.7 E.		
1906			Sept. 1 L.	[-0.04]	[+0.4] E.	6 Ei.Y.	+0.02	+0.6	1906				
Jan. 24 Ei.Y.	2.76	21.0 W.	14 M.	[+0.01]	[+0.2]	10 Ei.Y.	-0.02	+0.5 E.	Jan. 30 Ei.Y.	33.05	37.0 W.		
Mean.....	2.770	21.07	17 P.	[+0.01]	[+0.4]	Dec. 26 Ei.Y.	+0.02	-0.4 W.	Mean.....	33.055	37.22		
Mag. corr....	+0.017		19 M.		+0.1	Jan. 6 Ei.Y.	+0.04	0.0	Mag. corr....	+0.012			
B. D. +27° 1194			24 P.	[+0.02]	[-0.2]	10 Ei.Y.	+0.02	-0.4	B. D. +22° 1456				
$\alpha = 6^h 35^m$ $\delta = +27^\circ 10'$			27 P.	[-0.05]	[-0.4]	24 Ei.Y.	+0.01	+0.6	$\alpha = 6^h 38^m$ $\delta = +22^\circ 56'$				
1904			29 P.	[+0.06]	[+1.0]	29 Ei.Y.	+0.04	-0.3	1904				
Feb. 3 Ei.Y.	27.92	30.2 W.	30 M.	[+0.04]	[+0.4]	Oct. 11 Hl.	+0.08	+0.1 W.	Feb. 20 Ei.R.	53.68	20.2 W.		
4 Ei.Y.	28.03	30.9 W.	1910			Oct. 10 Hl.	0.00	+0.8 E.	27 Ei.M.	53.69	20.1 W.		
1905			Oct. 13 P.	-0.01	+0.8	23 M.	0.00	+0.7	1905				
Feb. 10 Ei.Y.	28.04	30.7 E.	17 P.	-0.01	+0.3	24 P.	+0.03	-0.2	Mar. 10 Ei.Y.	53.71	20.2 E.		
1906			1911			30 M.	+0.03	+0.2	1906				
Jan. 29 Ei.Y.	27.99	30.2 W.	Jan. 4 L.	0.00	+0.7	1908			Jan. 9 Ei.Y.	53.69	19.7 W.		
Mean.....	27.995	30.50	9 M.	-0.02	+0.7	Jan. 24 P.	+0.03	+0.4	Mean.....	53.692	20.05		
Mag. corr....	+0.003		Mar. 16 M.	+0.02	+0.4	Feb. 17 Ei.M.	+0.02	-0.1 E.	Mag. corr....	+0.014			
S Monocerotis			17 P.	-0.01	+1.0	Oct. 12 P.	-0.01	+0.4 W.	B. D. +19° 1460				
$\alpha = 6^h 35^m 28^s.264$ $\delta = +9^\circ 59' 17''.81$			20 M.	-0.03	+1.0	14 P.	+0.02		$\alpha = 6^h 38^m$ $\delta = +19^\circ 37'$				
1903			21 P.	-0.07	+0.9	15 M.	+0.01	+0.2	1904				
Oct. 19 Br.	+0.03	-0.4 W.	23 M.	+0.07	+0.7 E.	1909			Feb. 23 Ei.R.	58.55	44.6 W.		
21 L.	-0.01	+0.6	Mean.....	+0.003	+0.57	Mar. 16 P.	+0.02	-0.5 W.	24 Ei.M.	58.54	44.8 W.		
Nov. 9 Ei.Y.	-0.06	-0.2	Mag. corr....	+0.003	[+0.007][+0.24]	Oct. 4 P.	+0.04	-0.6 E.	1905				
1904					B. D. +61° 903			5 L.	+0.03	+0.1	Feb. 18 Ei.M.	58.55	44.4 E.
Feb. 11 Br.	+0.04	+0.9			$\alpha = 6^h 35^m$ $\delta = +61^\circ 21'$			6 M.	+0.03	+0.3	1906		
Mar. 9 R.	-0.01	+0.1			1907			7 P.	0.00	+0.6	Jan. 24 Ei.Y.	58.54	44.4 W.
18 Br.	-0.02	+0.3 W.			Oct. 15 P.	39.47	3.5 E.	8 L.	+0.02	+0.6	Mean.....	58.545	44.55
1905					18 P.	39.36	3.4 E.	11 P.	-0.02	+1.5	Mag. corr....	+0.001	
Jan. 20 Br.	+0.01	+0.4 E.			Mean.....	39.415	3.45	Dec. 16 M.	+0.07	-0.5	B. D. +17° 1357		
Feb. 6 Y.	-0.02				Mag. corr....	-0.002		17 L.	-0.05	+0.4	$\alpha = 6^h 36^m$ $\delta = +17^\circ 44'$		
14 Br.	+0.01	0.0						31 P.	+0.01	+0.5	1904		
16 Y.	+0.02	+0.1 E.						1910			1904		
Dec. 13 Hl.	-0.08	+0.5 W.						Jan. 3 P.	-0.05	+0.6	Feb. 23 Ei.R.	58.55	44.6 W.
								7 P.	-0.06	+1.0	24 Ei.M.	58.54	44.8 W.
								8 L.	-0.03	0.0	1905		
								10 M.	0.00	+0.4	Feb. 18 Ei.M.	58.55	44.4 E.
								15 L.	+0.05	+0.7	1906		
								16 P.	+0.03	+0.8	Jan. 24 Ei.Y.	58.54	44.4 W.
								19 L.	+0.01	+0.4	Mean.....	58.545	44.55
								22 M.	+0.02	-0.3	Mag. corr....	+0.001	
								23 P.	-0.01	0.0	B. D. +19° 1460		
								26 L.	-0.01	-0.1	$\alpha = 6^h 38^m$ $\delta = +19^\circ 37'$		
								29 L.	+0.12	+0.4	1904		
								Feb. 19 L.	+0.02	-0.2	Feb. 23 Ei.R.	58.55	44.6 W.
								Mar. 19 M.	+0.03	0.0	24 Ei.M.	58.54	44.8 W.
								Apr. 14 M.	[-0.03]	[-0.7]	1905		
								1911			Feb. 18 Ei.M.	58.55	44.4 E.
								Mar. 9 M.	+0.04	+0.3 E.	1906		
											Jan. 24 Ei.Y.	58.54	44.4 W.
											Mean.....	58.545	44.55
											Mag. corr....	+0.001	
											B. D. +17° 1357		
											$\alpha = 6^h 36^m$ $\delta = +17^\circ 44'$		
											1904		
											1904		
											1905		
											1906		
											1907		
											1908		
											1909		
											1910		
											1911		
											1912		
											1913		
											1914		
											1915		
											1916		
											1917		
											1918		
											1919		
											1920		
											1921		
											1922		
											1923		
											1924		
											1925		
											1926		
											1927		
											1928		
											1929		
											1930		
											1931		
											1932		
											1933		
											1934		
											1935		
											1936		
											1937		
											1938		
											1939		
											1940		
											1941		
											1942		
											1943		
											1944		
											1945		
											1946		
											1947		
											1948		
											1949		
											1950		
											1951		
											1952		
											1953		
											1954		
											1955		
											1956		
											1957		
											1958		
											1959		
											1960		
											1961		
											1962		
											1963		
											1964		
											1965		
											1966		
											1967		
											1968		
											1969		
											1970		
											1971		
											1972		
											1973		
											1974		
											1975		
											1976		
											1977		
											1978		
											1979		
											1980		
											1981		
											1982		
											1983		
											1984		
											1985		
											1986		
											1987		
											1988		
											1989		

ψ^5 Aurigæ			1911			1911			1908		
$\alpha = 6^h 39^m 32^s.014$			Jan. 9 M.	+0.03	+1.2 E.	Mar. 17 P.	+0.06	0.0 E.	Oct. 14 P.	55.42	17.0 W.
$\delta = +43^\circ 40' 38''.40$			10 P.	-0.03	+0.9	21 P.	+0.02	+0.4	15 M.	55.44	17.3
1905			24 P.	-0.02	+0.9	24 P.	+0.01	+0.5 E.	16 P.	55.48	17.4 W.
Jan. 20 Br.	-0.04	+0.6 E.	Mar. 20 M.	+0.04	+1.0	Mean.....	+0.103	+0.55	Mean.....	55.446	16.61
Feb. 16 Y.	-0.05	+0.5 E.	21 P.	-0.07	+1.0	Mag. corr....	+0.007		Mag. corr....	0.000	
1906			23 M.	+0.08	+0.8	B. D. +18° 1349			43 Camelopardalis s. p.		
Feb. 9 Br.	-0.10	+0.7 W.	25 L.	+0.02	+1.2 E.	$\alpha = 6^h 41^m$			$\alpha = 6^h 42^m$		
15 Hl.	-0.11	+0.1	Mean.....	+0.018	+0.55	$\delta = +18^\circ 18'$			$\delta = +69^\circ 0'$		
16 Br.	-0.08	-0.1	Mag. corr....	-0.002		1904			1906		
20 Br.	-0.06	-0.1	B. D. +23° 1491			Feb. 9 Ei.Y.	32.84	7.3 W.	Apr. 27 Ba.	55.66	16.6 W.
27 Br.	-0.02	+0.7 W.	$\alpha = 6^h 40^m$			15 Ei.Y.	32.91	7.6 W.	1907		
1907			$\delta = +23^\circ 28'$			1905			May 12 M.	55.35	16.3 E.
Oct. 13 M.	-0.02	-0.1 E.	1904			Mar. 2 Ei.Y.	32.91	7.6 E.	28 P.	55.21	16.8
16 M.	-0.06	+0.1	Feb. 3 Ei.Y.	6.24	27.4 W.	Dec. 26 Ei.Y.	32.88	6.6 W.	Sept. 12 M.P.	55.39	16.7
Nov. 5 P.	-0.11	+0.5 E.	4 Ei.Y.	6.26	27.5 W.	Mean.....	32.885	7.27	21 M.	55.42	16.3 E.
Mean.....	-0.065	+0.29	1905			Mag. corr....	+0.021		1908		
Mag. corr....	-0.002		Feb. 10 Ei.Y.	6.28	28.1 E.	B. D. +24° 1406			June 11 P.	55.48	16.4 W.
ξ Geminorum			1906			$\alpha = 6^h 42^m$			12 Fk.	55.66	15.9
$\alpha = 6^h 39^m 40^s.577$			Jan. 29 Ei.Y.	6.29	28.1 W.	$\delta = +24^\circ 28'$			13 P.	55.61	17.0
$\delta = +13^\circ 0' 11''.34$			Mean.....	6.268	27.77	1903			July 10 P.	55.38	18.0
1903			Mag. corr....	+0.017		Dec. 3 Ei.Y.	22.37	27.3 W.	Aug. 20 P.	55.44	17.6 W.
Oct. 14 L.	+0.04	0.0 W.	B. D. +21° 1372			7 Ei.Y.	22.33	27.2 W.	Mean.....	55.460	16.76
21 L.	+0.05	+0.7	$\alpha = 6^h 40^m$			1905			Mag. corr....	0.000	
1904			$\delta = +21^\circ 38'$			Feb. 24 Ei.Y.	22.36	28.1 E.	B. D. +27° 1236		
Feb. 11 Br.	+0.02	+1.0	1904			Jan. 18 Ei.Y.	22.36	26.7 W.	$\alpha = 6^h 42^m$		
Mar. 9 R.	+0.03	+0.4	Feb. 6 Ei.Y.	16.90	12.4 W.	Mean.....	22.355	27.32	$\delta = +27^\circ 18'$		
15 Br.	+0.08	...	8 Ei.Y.	16.94	12.7 W.	Mag. corr....	0.000		1904		
18 Br.	0.00	+0.4 W.	1905			18 Monocerotis			Feb. 20 Ei.R.	55.52	10.2 W.
Oct. 9 M.	0.00	-0.4 E.	Feb. 7 Ei.Y.	16.88	12.9 E.	$\alpha = 6^h 42^m 38^s.773$			22 Ei.M.	55.56	10.4 W.
13 Br.	+0.02	+0.4	1906			$\delta = +2^\circ 31' 18''.07$			1905		
16 M.	+0.01	+0.2	Jan. 10 Ei.Y.	16.92	12.6 W.	1903			Jan. 30 Ei.Y.	55.51	10.9 E.
17 Br.	+0.11	-1.0	Mean.....	16.910	12.65	Sept. 13 L.	+0.03	+0.5 W.	1906		
18 M.	-0.01	+0.4	Mag. corr....	-0.009		24 R.	+0.01	+2.4	Jan. 30 Ei.Y.	55.50	10.1 W.
21 Y.	+0.01	+0.6	α Canis Majoris			27 L.	-0.04	+1.2	Mean.....	55.522	10.40
24 Br.	+0.05	+1.0	$\alpha = 6^h 40^m 44^s.134$			28 R.	+0.01	+0.9	Mag. corr....	+0.016	
26 Y.	+0.01	+0.7	$\delta = -16^\circ 34' 55''.73$			29 L.	-0.02	+1.7	ψ^7 Aurigæ		
27 Br.	+0.01	+0.2	1903			30 R.	+0.07	+0.6	$\alpha = 6^h 43^m$		
28 Y.	+0.02	+0.3	Sept. 15 L.	+0.11	+0.7 W.	Oct. 1 L.	-0.03	+0.8	$\delta = +41^\circ 53'$		
31 Br.	+0.03	-0.1	18 L.	+0.11	+1.1	4 R.	+0.03	+0.6	1904		
Nov. 1 M.	+0.03	+0.2	23 L.	+0.08	+2.0 W.	12 Br.	+0.04	-0.2	Mar. 16 M.	41.76	55.8 W.
1905			1907			13 R.	+0.02	-0.1	18 Br.	41.70	55.6 W.
Jan. 30 Ei.Y.	+0.06	+1.2	Oct. 9 P.	+0.16	-0.3 E.	1906			18 M.	41.78	55.2
Feb. 24 Ei.Y.	+0.03	+1.0 E.	15 P.	+0.14	-0.2	Feb. 24 Hl.	+0.03	-0.1 W.	21 Y.	41.76	56.0
Oct. 29 Hl.	-0.02	0.0 W.	17 Hl.	+0.15	+0.1	1907			26 Y.	41.72	56.2
30 Br.	+0.03	-0.4	18 P.	+0.06	+0.4	Oct. 10 Hl.	+0.07	+0.9 E.	Nov. 1 M.	41.74	55.7 E.
1906			Dec. 19 Hl.	+0.09	+0.3 E.	24 P.	+0.02	+0.7	1905		
Feb. 10 Hl.	+0.06	0.0	1908			30 M.	+0.02	+1.0	Oct. 30 Br.	41.67	55.6 W.
19 Bs.	+0.06	+0.6	Oct. 29 P.	+0.16	+0.2 W.	Nov. 7 Hl.	+0.09	+0.5	1908		
26 Bs.	0.00	+0.3	30 L.	+0.18	+1.1 W.	1908			Oct. 12 P.	41.66	55.5
28 Bs.	+0.05	+0.7	1909			Jan. 24 P.	+0.04	+0.9 E.	13 M.	41.81	56.4 W.
Mar. 2 Br.	+0.01	+0.4	Oct. 8 L.	+0.11	+1.0 E.	Mean.....	+0.040	+0.47	Mean.....	41.730	55.74
5 Bs.	+0.04	0.0	11 P.	+0.03	+1.0	Mag. corr....	+0.001		Mag. corr....	+0.001	
6 Br.	0.00	+0.6	12 L.	+0.08	+2.1	43 Camelopardalis			B. D. +19° 1492		
10 Hl.	+0.01	+0.3 W.	19 M.	+0.12	+0.6	$\alpha = 6^h 42^m$			$\alpha = 6^h 43^m$		
1907			21 M.	+0.10	+0.2	$\delta = +69^\circ 0'$			$\delta = +19^\circ 16'$		
Oct. 29 P.	-0.04	+1.0 E.	24 M.	+0.10	+0.2	1905			1904		
Nov. 4 Hl.	-0.02	+1.1	25 P.	+0.10	0.0	Nov. 2 Br.	55.51	15.9 W.	Feb. 25 Ei.R.	44.52	51.4 W.
1908			26 L.	+0.10	+0.6	1906			27 Ei.M.	44.52	51.5 W.
Jan. 25 M.	+0.02	+0.6 E.	27 M.	+0.14	+0.9	Mar. 5 Bs.	55.27	16.8 W.	1905		
Oct. 12 P.	-0.02	+0.4 W.	28 P.	+0.24	+0.7	1907			Mar. 10 Ei.Y.	44.51	51.0 E.
13 M.	+0.01	+0.6	29 L.	+0.08	+0.5	Oct. 13 M.	55.48	16.2 E.	1906		
14 P.	-0.05	+0.5	31 M.	+0.06	+0.4	16 M.	55.48	16.7	Jan. 9 Ei.Y.	44.52'	51.6 W.
16 P.	+0.03	+0.5	Nov. 3 M.	+0.14	+0.4	20 M.	55.51	16.0	Mean.....	44.518	51.37
Nov. 1 M.	+0.02	+1.1	4 L.	+0.15	+0.7	23 M.	55.50	16.4	Mag. corr....	+0.005	
10 L.	+0.05	-0.3	Dec. 16 M.	+0.11	+0.6	Dec. 18 M.	55.37	16.4 E.			
1909			1910			1908			1908		
Jan. 31 P.	0.00	+2.3	Nov. 11 L.	+0.07	+1.5	Mean.....	+0.103	+0.55	Oct. 14 P.	55.42	17.0 W.
Feb. 3 L.	+0.03	+1.0	17 P.	+0.07	+0.5	Mag. corr....	+0.007		15 M.	55.44	17.3
Mar. 15 M.	+0.02	+0.4	1911			43 Camelopardalis s. p.			16 P.	55.48	17.4 W.
17 L.	+0.02	+1.4	Feb. 10 P.	+0.06	+1.1 E.	$\alpha = 6^h 41^m$			Mean.....	55.446	16.61
18 M.	+0.03	+0.4				$\delta = +18^\circ 18'$			Mag. corr....	0.000	
20 L.	+0.02	+0.2 W.				1904					
1910						Feb. 9 Ei.Y.	32.84	7.3 W.			
Dec. 26 P.	-0.05	+0.6 E.				15 Ei.Y.	32.91	7.6 W.			

B. D. +16° 1298			1907			1906			1908		
$\alpha = 6^h 44^m$			June 6 M.	29.53	17.6 E.	Feb. 28 Bs.	6.52	34.4 W.	Nov. 10 L.	-0.08	-0.2 W.
$\delta = +16^\circ 18'$			July 27 P.	29.50	18.2	Mar. 2 Br.	6.42	33.5	11 M.	-0.12	-0.5 W.
1904	s	"	Sept. 6 Hl.	29.11	16.7	6 Br.	6.40	33.9 W.	Mean.....	-0.137	+0.01
Feb. 23 Ei.R.	4.47	59.6 W.	12 M.P.	29.26	17.2 E.	Mean.....	6.420	33.86	Mag. corr....	+0.004	
24 Ei.M.	4.52	60.1 W.	Mean.....	29.309	17.48	Mag. corr....	-0.007		ϵ Geminorum		
1905			Mag. corr....	+0.001		θ Geminorum			$\alpha = 6^h 49^m$		
Feb. 18 Ei.M.	4.50	59.5 E.	B. D. +21° 1405			$\alpha = 6^h 46^m 11^s.956$			$\delta = +13^\circ 18'$		
1906			$\alpha = 6^h 45^m$			$\delta = +34^\circ 4' 54''.50$			1903	s	"
Jan. 24 Ei.Y.	4.49	59.3 W.	$\delta = +21^\circ 52'$			1903	s	"	Oct. 13 R.	0.22	17.4 W.
Mean.....	4.495	59.62	1904	s	"	Sept. 15 L.	[-0.01]	[+0.2] W.	1904		
Mag. corr....	-0.007		Feb. 9 Ei.Y.	33.48	45.4 W.	18 L.	[-0.03]	[+0.6]	Oct. 16 M.	0.20	18.0 E.
B. D. +17° 1409			15 Ei.Y.	33.48	46.1 W.	20 R.	.....	[+0.3]	21 Y.	0.23	16.9
$\alpha = 6^h 44^m$			1905			21 L.	[+0.01]	[+0.3]	26 Y.	0.24	17.8
$\delta = +17^\circ 42'$			Mar. 2 Ei.Y.	33.47	45.7 E.	24 R.	[+0.06]	[+1.4]	27 Br.	0.24	17.5
1904	s	"	Dec. 26 Ei.Y.	33.48	44.8 W.	25 L.	[-0.02]	[+0.7]	28 Y.	0.25	18.0 E.
Feb. 3 Ei.Y.	17.30	15.5 W.	Mean.....	33.478	45.50	27 L.	[-0.02]	[+1.4]	1908		
4 Ei.Y.	17.34	16.5 W.	Mag. corr....	-0.001		29 L.	[+0.02]	[+0.8]	Oct. 15 M.	0.26	17.3 W.
1905			B. D. +25° 1469			Oct. 1 L.	[-0.01]	[-0.3] W.	16 P.	0.29	18.3
Feb. 10 Ei.Y.	17.38	15.9 E.	$\alpha = 6^h 45^m$			1907			29 P.	0.27	17.3
1906			$\delta = +25^\circ 46'$			Oct. 29 P.	-0.13	+0.9 E.	Nov. 6 L.	0.23	15.8 W.
Jan. 29 Ei.Y.	17.35	15.6 W.	1903	s	"	Nov. 4 Hl.	-0.03	+0.9	Mean.....	0.243	17.43
Mean.....	17.342	15.87	Dec. 3 Ei.Y.	48.08	51.2 W.	5 P.	-0.03	+0.7	Mag. corr....	+0.003	
Mag. corr....	-0.001		7 Ei.Y.	48.07	50.7 W.	Dec. 19 Hl.	-0.05	+0.9	B. D. +25° 1496		
B. D. +25° 1460			1905			1909			$\alpha = 6^h 49^m$		
$\alpha = 6^h 44^m$			Feb. 24 Ei.Y.	48.02	51.3 E.	Nov. 1 P.	.....	-0.1 E.	$\delta = +25^\circ 30'$		
$\delta = +25^\circ 52'$			1906			Mean.....	-0.060	+0.66	1904	s	"
1904	s	"	Jan. 18 Ei.Y.	48.04	50.4 W.	Mag. corr....	0.000		Feb. 6 Ei.Y.	9.66	3.0 W.
Feb. 6 Ei.Y.	49.79	52.6 W.	Mean.....	48.052	50.90	B. D. +21° 1426			8 Ei.Y.	9.76	3.8 W.
8 Ei.Y.	49.82	52.9 W.	Mag. corr....	+0.016		$\alpha = 6^h 48^m$			1905		
1905			B. D. +20° 1598			$\delta = +21^\circ 17'$			Feb. 7 Ei.Y.	9.70	3.4 E.
Feb. 7 Ei.Y.	49.78	52.9 E.	$\alpha = 6^h 45^m$			1904	s	"	1906		
1906			$\delta = +20^\circ 27'$			Feb. 23 Ei.R.	23.25	11.4 W.	Jan. 10 Ei.Y.	9.66	3.2 W.
Jan. 10 Ei.Y.	49.77	52.7 W.	1904	s	"	24 Ei.M.	23.26	12.0 W.	Mean.....	9.695	3.35
Mean.....	49.790	52.78	Feb. 20 Ei.R.	55.12	13.9 W.	1905			Mag. corr....	+0.026	
Mag. corr....	+0.013		22 Ei.M.	55.12	13.4 W.	Feb. 18 Ei.M.	23.26	11.8 E.	θ Canis Majoris		
24 H. Camelopardalis			1905			1906			$\alpha = 6^h 49^m 32^s.594$		
$\alpha = 6^h 45^m$			Jan. 30 Ei.Y.	55.12	14.9 E.	Jan. 24 Ei.Y.	23.24	12.0 W.	$\delta = -11^\circ 54' 47''.50$		
$\delta = +77^\circ 6'$			1906			Mean.....	23.252	11.80	1903	s	"
1903	s	"	Jan. 30 Ei.Y.	55.09	13.7 W.	Mag. corr....	+0.016		Sept. 18 L.	[-0.03]	[+0.8] W.
Sept. 22 R.	[29.26]	[17.6] W.	Mean.....	55.112	13.97	B. D. +24° 1451			27 L.	[-0.06]	[+0.3]
Oct. 14 L.	29.34	17.5	Mag. corr....	-0.007		$\alpha = 6^h 48^m$			28 R.	[-0.02]	[+0.4]
19 Ei.Br.	29.22	18.1	B. D. +23° 1518			$\delta = +24^\circ 22'$			29 L.	[-0.04]	[+0.6]
21 L.	29.39	18.1	$\alpha = 6^h 45^m$			1904	s	"	30 R.	[+0.03]	[0.0]
1904			$\delta = +23^\circ 43'$			Feb. 3 Ei.Y.	36.84	21.4 W.	Oct. 1 L.	[0.00]	[+1.1]
Feb. 11 Br.	29.40	17.6 W.	1904	s	"	4 Ei.Y.	36.90	22.2 W.	4 R.	[-0.01]	[+0.2]
1907			Feb. 25 Ei.R.	55.70	12.8 W.	1905			12 Br.	+0.04	+0.5
Oct. 9 P.	29.51	17.3 E.	27 Ei.M.	55.74	12.5 W.	Feb. 10 Ei.Y.	36.98	21.8 E.	14 L.	+0.03	-0.9
14 Hl.	29.33	17.5	1905			1906			18 L.	+0.05	+0.6
15 P.	29.47	17.8	Mar. 10 Ei.Y.	55.74	12.4 E.	Jan. 29 Ei.Y.	36.93	21.4 W.	20 R.	-0.06	-0.3
17 Hl.	29.23	17.8	1906			Mean.....	36.912	21.70	21 L.	+0.02	+0.4
18 P.	29.09	17.2 E.	Jan. 9 Ei.Y.	55.68	13.3 W.	Mag. corr....	+0.014		1904		
Mean.....	29.331	17.66	Mean.....	55.715	12.75	15 Lyncis			Mar. 4 M.	-0.05	...
Mag. corr....	+0.001		Mag. corr....	+0.026		$\alpha = 6^h 48^m 37^s.271$			16 M.	+0.02	0.0 W.
24 H. Camelopardalis s. p.			κ Canis Majoris			$\delta = +58^\circ 33' 13''.20$			1905		
$\alpha = 6^h 45^m$			$\alpha = 6^h 46^m$			1905	s	"	Feb. 6 Y.	+0.04	... E.
$\delta = +77^\circ 6'$			$\delta = -32^\circ 23'$			Jan. 20 Br.	-0.08	0.0 E.	Nov. 14 Bs.	-0.01	+0.6 W.
1903	s	"	1904	s	"	Feb. 14 Br.	-0.13	+0.1	Dec. 11 Br.	0.00	-0.6
Sept. 7 L.	29.55	16.9 W.	Oct. 9 M.	6.36	34.3 E.	16 Y.	-0.10	-0.1	1906		
10 L.	29.32	17.4	14 Y.	6.41	32.7	1907			Jan. 9 Ei.Y.	-0.01	+0.5
12 L.	29.26	17.5	24 Br.	6.42	34.0	Oct. 24 P.	-0.16	+0.1	Feb. 4 Hl.	0.00	-1.2
14 L.	29.22	17.6	31 Br.	6.42	33.8	30 M.	-0.11	-0.1 E.	9 Br.	-0.03	-0.4
15 R.	29.21	17.4	Nov. 24 Br.	6.41	34.6 E.	1908			15 Hl.	+0.02	-0.2
16 L.	29.04	...	1906			Oct. 30 L.	-0.22	+0.5 W.	16 Br.	-0.04	-0.5
19 L.	29.36	17.8 W.	Feb. 4 Hl.	6.37	34.9 W.	Nov. 1 M.	-0.22	+0.3	19 Bs.	0.00	+0.1
1907			19 Bs.	6.47	32.5 W.	2 P.	-0.15	0.0 W.	20 Br.	-0.04	-0.1
May 29 M.	29.35	18.0 E.							26 Bs.	0.00	+0.2

1906			B. D. +22° 1531			1903			1909		
Mar. 5	Bs.	-0.01 +0.5 W.	$\alpha = 6^h 52^m$			Oct. 13	R.	+0.08 -0.2 W.	Nov. 3	M.	+0.80 +0.5 E.
6	Br.	0.00 -0.2	$\delta = +22^\circ 36'$			18	L.	-0.11 -0.3	4	L.	+0.42 -0.6
10	Hl.	-0.02 +0.8 W.				20	R.	-0.43 -0.1	1910		
1907			1904			26	Br.	+0.16 -0.2	Mar. 17	L.	+1.28 -0.2
Oct. 23	M.	+0.01 +0.4 E.	Feb. 20	Ei. R.	10.24 22.5 W.	28	L.	+0.91 +0.5	18	P.	+0.74 -0.6
29	P.	+0.02 -0.1	22	Ei. M.	10.27 21.9 W.	Nov. 2	Br.	+0.92 +0.1	23	L.	-0.32 -0.7
Nov. 4	Hl.	+0.02 +0.8	1905			8	L.	+0.46 +1.4	Apr. 13	L.	[+0.82] [-0.2]
7	Hl.	-0.02 -0.7	Jan. 30	Ei. Y.	10.26 22.8 E.	1904			14	M.	[-0.07] [+0.2]
1908			1906			Mar. 1	Br.	+0.09 ...	18	M.	... [+0.7]
Jan. 15	Hl.	+0.04 ...	Jan. 30	Ei. Y.	10.28 22.1 W.	4	M.	+0.19 ...	22	P.	[+0.01] [-0.7]
17	M. P.	-0.04 -0.3	Mean.....	10.262	22.32	8	Br.	+0.50 -0.4	Oct. 25	L.	+0.29 -0.5
18	P. M.	+0.11 -0.4	Mag. corr....	+0.013		15	Br.	+0.49 +0.1	28	L.	+0.75 -1.6
25	M.	-0.04 +0.2	B. D. +26° 1405			18	Br.	+0.76 -0.6 W.	30	M.	+0.04 +0.2
Feb. 17	M.	-0.02 +1.2	$\alpha = 6^h 52^m$			Oct. 9	M.	+0.74 +0.3 E.	31	P.	-0.19 -0.7
20	M.	+0.05 ...	$\delta = +26^\circ 12'$			14	Y.	+0.21 +0.2	Nov. 1	M.	+0.82 0.0
24	M.	+0.09 +0.2				24	Br.	+0.51 +0.1	8	L.	+1.30 -0.1
28	Hl.	+0.07 ... E.	1904			31	Br.	+1.16 -0.8	1911		
1909			Feb. 25	Ei. R.	37.61 46.2 W.	Nov. 6	M.	-0.06 -0.5	Mar. 21	P.	+0.77 -0.4
Mar. 18	M.	-0.01 -0.2 W.	27	Ei. M.	37.59 46.1 W.	24	Br.	+0.97 0.0	23	M.	-0.03 -1.1
20	L.	+0.01 -0.1	1905			1905			24	P.	+0.42 -1.1
22	M.	-0.02 +0.7 W.	Mar. 10	Ei. Y.	37.57 45.5 E.	Jan. 20	Br.	+1.11 -0.6	25	L.	+0.07 -0.3
Mean.....		+0.005 +0.07	1906			Feb. 14	Br.	+0.96 -0.2	28	P.	[+0.36] [-0.2]
Mag. corr....		[-0.019] [+0.49]	Jan. 9	Ei. Y.	37.51 46.4 W.	16	Y.	+0.43 0.0	30	M.	[+0.74] [-1.1]
B. D. +27° 1270			Mean.....	37.570	46.05	Mar. 15	M.	+0.66 -1.1 E.	31	P.	[+0.73] [+0.4]
$\alpha = 6^h 49^m$			Mag. corr....	+0.022		Nov. 2	Br.	+0.83 -0.3 W.	Apr. 1	L.	[+1.12] [-0.2] E.
$\delta = +27^\circ 24'$			B. D. +19° 1559			10	Hl.	+0.78 ...	Mean.....		+0.514 -0.22
1904			$\alpha = 6^h 52^m$			12	Hl.	+0.92 -0.1	Mag. corr....		-0.001
Feb. 9	Ei. Y.	41.66 48.0 W.	$\delta = +19^\circ 21'$			1906			51 H. Cephei s. p.		
15	Ei. Y.	41.66 48.3 W.	1904			Feb. 17	Hl.	-0.14 -0.8	$\alpha = 6^h 53^m 43^s.563$		
1905			Feb. 23	Ei. R.	39.21 22.4 W.	20	Br.	+1.01 -0.2	$\delta = +87^\circ 12' 20''.26$		
Mar. 2	Ei. Y.	41.72 48.5 E.	24	Ei. M.	39.28 22.2 W.	22	Hl.	+1.09 -0.3	1903		
Dec. 26	Ei. Y.	41.61 47.4 W.	1905			24	Hl.	-0.12 -0.3	Sept. 5	L.	-0.12 0.0 W.
Mean.....		41.662 48.05	Feb. 18	Ei. M.	39.21 21.7 E.	27	Br.	+0.68 +0.4	10	L.	-0.16 -0.2
Mag. corr....		+0.012	1906			Mar. 1	Hl.	+0.78 -0.8	11	R.	-0.25 +0.5
B. D. +17° 1447			Jan. 24	Ei. Y.	39.24 22.0 W.	5	Bs.	+0.02 -0.7	15	R.	-0.04 +0.4
$\alpha = 6^h 50^m$			Mean.....	39.235	22.07	10	Hl.	+0.56 -0.5	21	R.	+0.99 +0.4
$\delta = +17^\circ 52'$			Mag. corr....	+0.007		20	Br.	-0.36 +0.7 W.	23	R.	-0.02 -0.1
1903			B. D. +26° 1411			1907			26	L.	+1.49 -0.5
Dec. 3	Ei. Y.	27.57 0.7 W.	$\alpha = 6^h 53^m$			Oct. 13	M.	+0.60 -0.4 E.	29	R.	+0.27 +1.1
7	Ei. Y.	27.58 1.3 W.	$\delta = +26^\circ 3'$			16	M.	+0.61 -0.7	Oct. 1	R.	+0.86 -0.4
1905			1904			20	M.	+1.16 -0.7	7	R.	+0.20 0.0
Feb. 24	Ei. Y.	27.60 0.7 E.	Feb. 3	Ei. Y.	17.45 0.3 W.	23	M.	+0.10 -0.6	1904		
1906			4	Ei. Y.	17.48 0.7 W.	29	P.	+0.99 +0.6	May 3	M.	+0.41 -0.4
Jan. 18	Ei. Y.	27.62 0.6 W.	1905			Nov. 4	Hl.	-0.50 +0.3	11	R.	+0.83 -0.5
Mean.....		27.592 0.82	Feb. 10	Ei. Y.	17.51 0.4 E.	Dec. 18	M.	+0.51 -0.7	13	M.	-0.12 -0.8
Mag. corr....		+0.013	1906			1908			15	R.	+1.57 +0.1
Canis Majoris			Jan. 29	Ei. Y.	17.46 0.8 W.	Jan. 24	P.	+0.71 -1.0	27	Br.	+0.49 -0.4
$\alpha = 6^h 51^m$			Mean.....	17.475	0.55	30	M.	+1.27 +0.3	June 3	Br.	+0.16 -0.1
$\delta = -16^\circ 55'$			Mag. corr....	+0.020		Feb. 4	P.	+0.17 -0.2	12	R.	+0.64 ...
1904			B. D. +20° 1661			Mar. 3	Hl.	+0.14 +0.7 E.	24	M.	+1.40 -1.2
Feb. 11	Br.	40.66 26.9 W.	$\alpha = 6^h 53^m$			Oct. 6	L.	[+0.83] [-0.1] W.	26	R.	+0.97 -0.9
Oct. 30	M.	40.65 27.9 E.	$\delta = +20^\circ 34'$			11	M.	+0.93 -0.3	July 26	Br.	+0.72 -0.2
Nov. 1	M.	40.63 27.5	1904			12	P.	+0.12 -0.2	Aug. 11	M.	-0.25 -1.4 W.
1907			Feb. 6	Ei. Y.	27.21 51.2 W.	13	M.	+0.39 +0.2	1905		
Oct. 14	Hl.	40.66 29.1	8	Ei. Y.	27.17 52.0 W.	14	P.	+0.57 +0.6	May 23	M.	+0.95 0.0 E.
15	P.	40.62 29.3	1905			15	M.	+0.60 +0.6	17	M.	+0.71 -0.8 W.
18	P.	40.63 28.2 E.	Feb. 7	Ei. Y.	27.18 52.1 E.	16	P.	+2.32 -0.1	18	Br.	+0.69 -0.6
1908			1906			18	M.	+0.66 +0.4	23	Hl.	+0.55 -0.7
Oct. 15	M.	40.62 28.3 W.	Jan. 10	Ei. Y.	27.22 51.1 W.	29	P.	+0.56 -1.0 W.	29	Br.	+0.33 -0.1
16	P.	40.69 27.0	Mean.....	27.195	51.60	1909			1906		
29	P.	40.64 27.0	Mag. corr....	-0.002		Sept. 27	P.	[+0.77] [-0.4] E.	Apr. 30	Br.	-0.05 ...
Nov. 6	L.	40.72 28.9 W.	51 H. Cephei			30	M.	[+0.54] [+0.5]	3	Br.	+0.58 +0.2
Mean.....		40.652 28.01	$\alpha = 6^h 53^m 43^s.560$			Oct. 1	L.	[+0.28] [-0.9]	July 19	Bs.	(+1.82) ...
Mag. corr....		+0.004	$\delta = +87^\circ 12' 20''.26$			4	P.	[+1.12] [-1.0]	21	Bs.	(+2.27) ...
			1903			5	L.	[+0.29] [-0.1]	26	Bs.	(+2.20) ...
			Sept. 30	R.	[+0.26] [+1.1] W.	6	M.	[+0.99] [+0.6]	28	Bs.	(+1.68) ...
			Oct. 1	L.	[+0.45] [-0.5] W.	7	P.	[+0.47] [0.0]	Aug. 4	Hl.	+0.23 ...
						8	L.	+0.96 -0.5	Sept. 14	Hl.	+0.42 +0.4
						11	P.	+0.45 0.0	18	P.	+1.05 -0.5
						12	L.	+0.31 -0.6	19	Il.	+0.66 ...
						19	M.	+0.68 -0.8	21	Il.	-0.28 -0.1
						21	M.	+0.33 +0.2	24	Hl.	+1.24 +0.4
						25	P.	-0.44 0.0	29	Hl.	... -0.3
						26	L.	+0.26 0.0	Oct. 8	Hl.	+0.52 -0.2 W.
						27	M.	+0.78 -0.4			
						28	P.	+0.68 +0.2			
						30	P.	-0.09 -0.4			
						Nov. 1	P.	+0.86 +0.3 E.			

[illegible]

1908			1911			1910			B. D. +77° 280		
Nov. 6 L.	44.28	29.7 W.	Feb. 4 L.	+0.02	+1.0 E.	Nov. 21 P.	0.00	-0.1 E.	$\alpha = 7^h 2^m$		
11 M.	44.22	27.7 W.	10 P.	-0.04	+1.4 E.	22 L.	+0.01	+0.9	$\delta = +76^\circ 59'$		
Mean.....	44.214	29.13	Mean.....	+0.013	+0.82	1911			1907		
Mag. corr....	-0.004		Mag. corr....	-0.005		Jan. 23 M.	+0.11	+0.4	Oct. 16 M.	26.68	1.5 E.
ζ Geminorum			α^2 Canis Majoris			30 M.	+0.02	+0.9	18 P.	26.50	1.2 E.
$\alpha = 6^h 58^m 10^s.710$			$\alpha = 6^h 58^m$			Mar. 16 M.	+0.04	+1.3	Mean.....	26.590	1.35
$\delta = +20^\circ 43' 1''.42$			$\delta = -23^\circ 41'$			20 M.	0.00	+1.5 E	Mag. corr....	-0.008	
1903			1904			Mean.....	+0.012	+0.43	45 Geminorum		
Sept. 22 R.	[-0.02]	[+0.4] W.	Oct. 16 M.	50.92	12.9 E.	Mag. corr....	+0.006		$\alpha = 7^h 2^m$		
25 L.	[0.00]	[+0.8]	18 M.	50.90	13.4	B. D. +22° 1566			$\delta = +16^\circ 5'$		
27 L.	[-0.01]	[+0.7]	26 Y.	50.94	13.0	$\alpha = 6^h 59^m$			1904		
29 L.	[-0.07]	[+0.7]	27 Br.	50.99	13.1	$\delta = +22^\circ 47'$			Feb. 9 Ei.Y.	37.99	26.0 W.
Oct. 14 L.	+0.01	+0.1	28 Y.	51.01	13.2 E.	1904			15 Ei.Y.	38.01	26.1 W.
21 L.	-0.05	+0.5	1903			Feb. 25 Ei.R.	17.20	14.3 W.	Oct. 16 M.	37.97	25.9 E.
1904			Oct. 30 L.	51.00	12.1 W.	27 Ei.M.	17.16	14.1 W.	18 M.	37.95	25.8
Feb. 20 Ei.R.	-0.03	+0.8	Nov. 1 M.	51.01	13.0	1905			26 Y.	38.04	25.5
22 Ei.M.	+0.02	+1.2	2 P.	50.99	13.0	Mar. 10 Ei.Y.	17.24	14.8 E.	27 Br.	37.97	26.7
Mar. 16 M.	+0.04	+0.6 W.	10 L.	51.00	14.2	1906			28 Y.	37.99	25.9
1905			12 P.	51.09	13.7 W.	Jan. 9 Ei.Y.	17.26	14.4 W.	1905		
Jan. 30 Ei.Y.	+0.02	+1.2 E.	Mean.....	50.985	13.16	Mean.....	17.215	14.40	Mar. 2 Ei.Y.	38.02	26.6 E.
Feb. 6 Y.	+0.05		Mag. corr....	0.000		Mag. corr....	-0.009		Nov. 14 Bs.	37.93	26.1 W.
7 Ei.Y.	+0.01	+1.1	γ Canis Majoris			B. D. +77° 276			Dec. 26 Ei.Y.	37.99	25.2
Mar. 13 Ei.Y.	-0.02	+0.4 E.	$\alpha = 6^h 59^m 14^s.072$			$\alpha = 6^h 59^m$			1906		
Nov. 14 Bs.	+0.06	+0.7 W.	$\delta = -15^\circ 29' 7''.56$			$\delta = +77^\circ 12'$			Feb. 16 Br.	37.99	25.1
Dec. 11 Br.	+0.01	+0.9	1903			1907			Mar. 2 Br.	37.94	26.1
13 Hl.	+0.03	+1.0	Oct. 4 R.	[-0.02]	[+0.7] W.	Oct. 15 P.	31.42	41.4 E.	6 Br.	38.00	25.4
1906			1904			17 Hl.	31.09	41.4 E.	1908		
Jan. 29 Ei.Y.	0.00	+0.4	Oct. 30 M.	0.00	+1.0 E.	Mean.....	31.255	41.40	Oct. 14 P.	37.99	25.0 W.
30 Ei.Y.	+0.05	+0.3 W.	Nov. 1 M.	-0.04	+0.7 E.	Mag. corr....	0.000		Mean.....	37.984	25.81
1908			1905			B. D. +26° 1453			Mag. corr....	-0.005	
Feb. 12 P.	+0.03	... E.	Oct. 30 Br.	+0.05	-0.8 W.	$\alpha = 6^h 59^m$			B. D. +17° 1505		
28 Hl.	+0.03	-0.1 E.	1907			$\delta = +25^\circ 58'$			$\alpha = 7^h 2^m$		
1909			Oct. 24 P.	+0.04	-0.3 E.	$\delta = +17^\circ 48'$			1903		
Feb. 3 L.	-0.02	+0.9 W.	30 M.	-0.01	+0.9	1904			Dec. 3 Ei.Y.	55.52	55.0 W.
Mar. 11 L.	+0.02	+0.4	Nov. 5 P.	+0.02	0.0	Feb. 23 Ei.R.	54.66	23.3 W.	7 Ei.Y.	55.47	55.7 W.
15 M.	+0.04	+0.4	7 Hl.	+0.04	+0.7	24 Ei.M.	54.65	23.6 W.	1905		
17 L.	+0.04	+1.2	1908			1905			Feb. 24 Ei.Y.	55.52	55.3 E.
18 M.	+0.04	+1.0	Feb. 12 P.	+0.03	... E.	Feb. 18 Ei.M.	54.66	23.3 E.	1906		
20 L.	-0.01	+0.2	17 M.	+0.04	... E.	1906			Jan. 18 Ei.Y.	55.52	55.2 W.
22 M.	+0.06	+0.7	Nov. 3 L.	+0.08	-0.4 W.	Jan. 24 Ei.Y.	54.66	24.0 W.	Mean.....	55.508	55.30
23 P.	+0.06	+0.8 W.	5 P.	+0.03	+0.9	Mean.....	54.658	23.55	Mag. corr....	+0.005	
Oct. 31 M.	0.00	+0.8 E.	1909			Mag. corr....	-0.005		B. D. +19° 1623		
Nov. 10 M.	... +0.9		Jan. 3 P.	+0.03	-0.6	B. D. +28° 1314			$\alpha = 7^h 3^m$		
29 P.	-0.02	+1.2	20 L.	+0.02	+0.4	$\alpha = 7^h 1^m$			$\delta = +19^\circ 42'$		
Dec. 16 M.	+0.04	+0.4	22 P.	0.00	-0.4	$\delta = +28^\circ 19'$			1904		
17 L.	+0.01	+1.7	26 L.	-0.03	+0.9	1904			Feb. 20 Ei.R.	15.74	21.1 W.
26 M.	+0.05	+0.3	31 P.	+0.03	0.0	Feb. 3 Ei.Y.	8.55	50.9 W.	22 Ei.M.	15.79	21.5 W.
31 P.	+0.05	+0.7	Feb. 1 M.	+0.04	-0.4	4 Ei.Y.	8.57	51.2 W.	1905		
1910			2 P.	-0.01	-0.1	1905			Jan. 30 Ei.Y.	15.84	21.6 E.
Jan. 3 P.	-0.01	+1.7	Mar. 11 L.	0.00	+0.7	Feb. 10 Ei.Y.	8.59	51.6 E.	1906		
7 P.	+0.02	+1.6	15 M.	-0.03	+1.1	Jan. 29 Ei.Y.	8.62	51.3 W.	Jan. 30 Ei.Y.	15.82	21.2 W.
8 L.	+0.12	+1.0	17 L.	+0.05	+1.5	Mean.....	8.582	51.25	Mean.....	15.798	21.35
10 M.	0.00	+0.6	18 M.	-0.01	+0.9	Mag. corr....	+0.021		Mag. corr....	+0.008	
15 L.	-0.01	+1.1	20 L.	+0.02	+0.6	B. D. +24° 1531			B. D. +25° 1594		
16 P.	+0.06	+1.4	22 M.	-0.02	+0.9	$\alpha = 7^h 1^m$			$\alpha = 7^h 3^m$		
19 L.	-0.03	+1.0	23 P.	-0.02	+0.8 W.	$\delta = +24^\circ 19'$			$\delta = +25^\circ 53'$		
22 M.	+0.04	+0.6	Oct. 25 P.	+0.01	-0.4 E.	1904			1904		
23 P.	-0.02	+0.5	26 L.	-0.05	+0.2	Feb. 6 Ei.Y.	11.73	23.3 W.	Feb. 25 Ei.R.	27.03	34.1 W.
25 P.	-0.03	+1.5	27 M.	-0.04	+0.4	8 Ei.Y.	11.74	23.2 W.	27 Ei.M.	27.00	34.4 W.
26 L.	-0.04	+0.8	28 P.	+0.06	+0.7	1905			1905		
29 L.	+0.05	+0.4	29 L.	+0.02	+0.5	Feb. 7 Ei.Y.	11.72	23.9 E.	Mar. 10 Ei.Y.	27.03	34.0 E.
Feb. 19 L.	+0.07	+0.5	31 M.	-0.02	0.0	1906			1906		
Oct. 24 P.	-0.03	+0.5	Nov. 3 M.	-0.02	-0.2	Jan. 10 Ei.Y.	11.80	23.4 W.	Jan. 9 Ei.Y.	27.05	34.0 W.
Dec. 16 P.	-0.01	+0.8	4 L.	+0.02	0.0	Mean.....	11.748	23.45	Mean.....	27.028	34.12
17 L.	-0.02	+0.3	10 M.	+0.02	+0.9	Mag. corr....	+0.013		Mag. corr....	+0.012	
20 P.	+0.01	+0.8	Dec. 16 M.	-0.03	+1.1	B. D. +24° 1531			B. D. +25° 1594		
26 P.	+0.02	+1.3	1910			$\alpha = 7^h 1^m$			$\alpha = 7^h 3^m$		
1911			Oct. 13 P.	-0.01	+0.7	$\delta = +24^\circ 19'$			$\delta = +25^\circ 53'$		
Jan. 4 L.	+0.01	+0.7	17 P.	+0.04	-0.3	1904			1904		
7 L.	+0.01	+0.2	20 P.	+0.01	+0.2	Feb. 6 Ei.Y.	11.73	23.3 W.	Feb. 25 Ei.R.	27.03	34.1 W.
10 P.	-0.02	+0.9	24 P.	+0.01	+0.3	8 Ei.Y.	11.74	23.2 W.	27 Ei.M.	27.00	34.4 W.
24 P.	-0.02	+1.2	Nov. 11 L.	+0.02	+0.9	1905			1905		
25 L.	-0.03	+0.9	20 M.	+0.02	+0.3 E.	Feb. 7 Ei.Y.	11.72	23.9 E.	Mar. 10 Ei.Y.	27.03	34.0 E.
28 L.	-0.03	+1.8 E.				1906			1906		

B. D. +21° 1528			1908			22 Monocerotis			1908		
$\alpha = 7^h 4^m$ $\delta = +21^\circ 25'$			Jan. 25 M.			$\alpha = 7^h 6^m 45^s.484$ $\delta = -0^\circ 19' 37''.28$			Jan. 18 P.M.		
1904			Mean.....			1903			Mean.....		
Feb. 23 Ei.R. 10.56 13.6 W.			Mag. corr....			Sept. 24 R. [0.00] [+1.2] W.			Mag. corr....		
24 Ei.M. 10.63 14.0 W.			B. D. +27° 1327			1904			B. D. +24° 1576		
1905			$\alpha = 7^h 5^m$ $\delta = +27^\circ 1'$			Mar. 24 R. -0.01 0.0 W.			$\alpha = 7^h 8^m$ $\delta = +24^\circ 52'$		
Feb. 18 Ei.M. 10.58 13.4 E.			1904			Nov. 1 M. 0.00 +0.6 E.			1904		
1906			Feb. 6 Ei.Y. 11.00 15.3 W.			Jan. 20 Br. -0.03 +0.4			Feb. 6 Ei.Y. 20.49 55.5 W.		
Jan. 24 Ei.Y. 10.60 13.0 W.			8 Ei.Y. 10.99 16.0 W.			Feb. 14 Br. +0.01 -0.3			8 Ei.Y. 20.57 56.4 W.		
Mean.....			1905			1906			1905		
Mag. corr....			Feb. 7 Ei.Y. 10.96 16.2 E.			Feb. 5 Bs. +0.04 +0.3 W.			Feb. 7 Ei.Y. 20.51 55.9 E.		
δ Canis Majoris			1906			15 Hl. 0.00 -0.2			1906		
$\alpha = 7^h 4^m 19^s.475$ $\delta = -26^\circ 14' 3''.52$			Jan. 30 Ei.Y. 11.00 15.8 W.			16 Br. -0.01 -0.4			Jan. 10 Ei.Y. 20.46 55.8 W.		
1903			Mean.....			20 Br. 0.00 0.0 W.			Mean.....		
Sept. 20 R. [+0.6] W.			Mag. corr....			1908			Mag. corr....		
25 L. [+0.08] [+1.3]			B. D. +15° 1494			Jan. 17 M.P. +0.05 +0.3 E.			B. D. +25° 1618		
27 L. [-0.03] [+3.5]			$\alpha = 7^h 5^m$ $\delta = +15^\circ 29'$			Mean.....			$\alpha = 7^h 8^m$ $\delta = +25^\circ 3'$		
28 R. [+0.05] [+1.5]			1904			Mag. corr....			1904		
29 L. [+0.06] [+1.8]			Feb. 9 Ei.Y. 34.22 49.9 W.			B. D. +15° 1504 (north)			Feb. 9 Ei.Y. 35.04 31.7 W.		
30 R. [+0.03] [+0.8]			15 Ei.Y. 34.25 49.9 W.			$\alpha = 7^h 7^m$ $\delta = +15^\circ 20'$			15 Ei.Y. 35.11 31.8 W.		
Oct. 1 L. [0.00] [+1.7]			1905			1904			1905		
4 R. [+0.04] [+0.5]			Mar. 2 Ei.Y. 34.23 50.5 E.			Feb. 23 Ei.R. 6.09 46.1 W.			Mar. 2 Ei.Y. 35.09 32.0 E.		
14 L. [+0.12] [+0.2]			Dec. 26 Ei.Y. 34.24 49.0 W.			24 Ei.M. 6.10 46.6 W.			Dec. 26 Ei.Y. 35.01 31.4 W.		
18 L. +0.08 +1.0			Mean.....			1905			Mean.....		
19 Br. +0.05 +0.6			34.235 49.82			Feb. 18 Ei.M. 6.07 46.1 E.			35.062 31.72		
21 L. +0.07 +1.1			Mag. corr....			1906			Mag. corr....		
25 L. +0.17 +0.4			B. D. +17° 1518			Jan. 24 Ei.Y. 6.08 46.1 W.			B. D. +20° 1743		
Nov. 8 L. +0.13 +1.9 W.			$\alpha = 7^h 6^m$ $\delta = +17^\circ 8'$			Mean.....			$\alpha = 7^h 8^m$ $\delta = +20^\circ 41'$		
1907			1903			18 Lyncis			1903		
Oct. 20 M. +0.06 +0.1 E.			Dec. 3 Ei.Y. 0.34 32.3 W.			$\alpha = 7^h 7^m$ $\delta = +59^\circ 48'$			Dec. 3 Ei.Y. 39.02 19.0 W.		
23 M. +0.07 0.0			7 Ei.Y. 0.28 32.7 W.			1904			22 Ei.Y. 39.00 18.6 W.		
29 P. +0.08 +0.1			1905			Oct. 14 Y. 11.03 55.5 E.			1905		
1908			Feb. 24 Ei.Y. 0.31 32.5 E.			17 Br. 11.08 55.2			Feb. 24 Ei.Y. 39.01 19.0 E.		
Jan. 17 M.P. +0.11 -0.3			1906			24 Br. 11.05 55.6			1906		
18 P.M. +0.18 +0.6 E.			Jan. 18 Ei.Y. 0.28 32.1 W.			31 Br. 11.04 55.2			Jan. 18 Ei.Y. 38.96 18.3 W.		
Mean.....			Mean.....			Nov. 6 M. 10.93 54.2 E.			Mean.....		
Mag. corr....			0.302 32.40			1905			38.998 18.72		
[+0.033][+1.17]			Mag. corr....			Nov. 2 Br. 10.99 54.8 W.			Mag. corr....		
B. D. +30° 1439			B. D. +24° 1558			Nov. 14 Bs. 10.96 55.8			B. D. +23° 1647		
$\alpha = 7^h 4^m$ $\delta = +30^\circ 24'$			$\alpha = 7^h 6^m$ $\delta = +24^\circ 17'$			Dec. 11 Br. 10.96 55.6			$\alpha = 7^h 8^m$ $\delta = +23^\circ 16'$		
1904			1904			1906			1904		
Feb. 3 Ei.Y. 46.46 32.7 W.			Feb. 22 Ei.M. 21.86 45.3 W.			Mar. 2 Br. 11.02 55.0			Feb. 20 Ei.R. 50.67 59.1 W.		
4 Ei.Y. 46.54 33.4 W.			23 Ei.R. 21.86 45.3 W.			6 Br. 10.94 55.2 W.			22 Ei.M. 50.77 59.2 W.		
1905			1905			Mean.....			1905		
Feb. 10 Ei.Y. 46.48 33.5 E.			Jan. 30 Ei.Y. 21.89 46.0 E.			11.000 55.21			Jan. 30 Ei.Y. 50.72 59.0 E.		
1906			1906			Mag. corr....			1906		
Jan. 29 Ei.Y. 46.53 33.1 W.			Jan. 30 Ei.Y. 21.89 45.3 W.			51 Geminorum			Jan. 30 Ei.Y. 50.76 58.6 W.		
Mean.....			Mean.....			$\alpha = 7^h 7^m 37^s.806$ $\delta = +16^\circ 19' 43''.25$			Mean.....		
Mag. corr....			21.875 45.47			1903			50.730 58.97		
63 Aurigæ			Mag. corr....			Oct. 13 R. -0.08 0.0 W.			Mag. corr....		
$\alpha = 7^h 4^m 46^s.752$ $\delta = +39^\circ 29' 1''.60$			B. D. +25° 1609			20 R. -0.02 +0.1			B. D. +18° 1538		
1903			$\alpha = 7^h 6^m$ $\delta = +25^\circ 54'$			1904			$\alpha = 7^h 9^m$ $\delta = +18^\circ 44'$		
Sept. 15 L. [+0.04] [-0.1] W.			1904			Feb. 3 Ei.Y. -0.12 +0.4			1904		
1905			Feb. 25 Ei.R. 40.42 57.2 W.			4 Ei.Y. -0.04 +0.7 W.			Feb. 25 Ei.R. 0.54 2.3 W.		
Oct. 30 Br. -0.11 0.0			27 Ei.M. 40.38 57.2 W.			Nov. 24 Br. -0.01 +0.2 E.			27 Ei.M. 0.54 2.2 W.		
Nov. 21 Bs. -0.10 +0.6			1905			1905			1905		
1906			Mar. 13 Ei.Y. 40.33 56.3 E.			Feb. 10 Ei.Y. -0.02 +0.8 E.			Mar. 10 Ei.Y. 0.55 1.6 E.		
Feb. 10 Hl. -0.03 +0.2			1906			Jan. 29 Ei.Y. -0.03 -0.1 W.			1906		
19 Bs. -0.01 +1.0			Jan. 9 Ei.Y. 40.39 56.9 W.			Feb. 4 Hl. -0.02 -0.2 W.			Jan. 9 Ei.Y. 0.54 2.2 W.		
26 Bs. -0.05 +0.8			Mean.....			1907			Mean.....		
28 Bs. -0.03 +0.6 W.			40.380 56.90			Oct. 16 M. -0.01 -0.5 E.			50.542 2.07		
1907			Mag. corr....			20 M. -0.09 +0.2			Mag. corr....		
Oct. 24 P. +0.08 +0.6 E.			+0.013			23 M. -0.03 +1.5 E.					
30 M. -0.07 +0.7											
Nov. 5 P. -0.05 +0.3											
Dec. 18 M. -0.06 +0.4 E.											

B. D. +22° 1620			1905			1906			1905		
$\alpha = 7^h 9^m$ $\delta = +22^\circ 8'$			Feb. 7	Ei.Y.	51.71	10.3	E.	Feb. 24	Hl.	+0.02	+0.7 W.
1904			1906					26	Bs.	0.00	+1.1
Feb. 23	Ei.R.	34.94	Jan. 24	Ei.Y.	51.72	10.5	W.	Mar. 2	Br.	-0.02	+0.8
24	Ei.M.	34.96	Mean.....		51.712	10.42		6	Br.	+0.02	+0.6 W.
1905			Mag. corr....		+0.017			1907			
Feb. 18	Ei.M.	34.94	64 Aurigæ			Oct. 15	P.	+0.06	+0.6 E.		
1906			$\alpha = 7^h 11^m$ $\delta = +41^\circ 3'$			16	M.	-0.02	...		
Jan. 24	Ei.Y.	34.93	1904			17	Hl.	+0.03	...		
Mean.....		34.942	Feb. 11	Br.	5.08	40.2	W.	18	P.	-0.01	+1.1
Mag. corr....		+0.007	1906			20	M.	-0.02	...		
B. D. +28° 1350			Feb. 5	Bs.	5.08	39.9		23	M.	-0.07	...
$\alpha = 7^h 9^m$ $\delta = +28^\circ 4'$			16	Br.	5.09	40.2	W.	Dec. 18	M.	-0.02	...
1904			1907			1908		1908			
Feb. 3	Ei.Y.	42.45	Oct. 24	P.	5.07	40.1	E.	Jan. 15	Hl.	-0.05	...
4	Ei.Y.	42.47	30	M.	5.08	39.6		Feb. 17	M.	+0.03	...
1905			Nov. 5	P.	5.00	40.4		1909			
Feb. 10	Ei.Y.	42.49	1908			Mar. 16	P.	-0.01	...		
1906			Jan. 17	M.P.	5.06	39.9		22	M.	+0.02	+0.8
Jan. 29	Ei.Y.	42.46	18	P.M.	5.10	40.5	E.	23	P.	+0.03	+1.0 W.
Mean.....		42.468	Nov. 1	M.	5.01	40.3	W.	Dec. 16	M.	0.00	+0.4 E.
Mag. corr....		+0.024	2	P.	5.06	40.2	W.	17	L.	-0.03	+1.4
25 H. Camelopardalis			Mean.....		5.063	40.13		26	M.	-0.06	+0.8
$\alpha = 7^h 10^m 3^s.748$ $\delta = +82^\circ 36' 15''.80$			Mag. corr....		-0.006			1910			
1903			λ Geminorum			Jan. 3	P.	0.00	+1.4		
Oct. 12	Br.	-0.54	1903			7	P.	+0.04	+1.1		
14	L.	-0.39	Sept. 15	L.	[-0.05]	[+0.3] W.	8	L.	+0.01	+0.7	
18	L.	-0.72	20	R.	...	[+0.8]	15	L.	+0.03	+1.1	
19	Br.	-0.71	24	R.	[+0.05]	+1.9	19	L.	0.00	+0.5	
21	L.	-0.35	25	L.	[-0.04]	+0.7	22	M.	0.00	+0.9	
25	L.	-0.36	27	L.	[-0.06]	+1.3	26	L.	-0.01	+0.4	
Nov. 8	L.	-0.61	28	R.	[-0.01]	+1.2	29	L.	+0.01	+0.3	
1907			29	L.	[-0.01]	+1.2	Dec. 17	L.	-0.01	+0.6	
Oct. 29	P.	-0.28	30	R.	[+0.07]	+1.1	1911				
Dec. 19	Hl.	-0.40	Oct. 1	L.	[-0.03]	+1.1	Jan. 7	L.	-0.01	+0.9	
1908			4	R.	[+0.02]	+0.6	25	L.	+0.03	+1.1	
Jan. 24	P.	-0.44	13	R.	0.00	+0.6	28	L.	0.00	+1.3	
25	M.	-0.65	1904			Feb. 4	L.	-0.03	+0.9		
Feb. 24	M.	-0.37	Jan. 27	Ei.Y.	+0.01	...	Mar. 21	P.	-0.05	+1.0 E.	
Mean.....		-0.485	30	Ei.Y.	-0.02	+0.2	Mean.....		+0.005	+0.65	
Mag. corr....		0.000	Feb. 9	Ei.Y.	+0.01	+0.7	Mag. corr....		-0.004		
25 H. Camelopardalis s. p.			15	Ei.Y.	+0.02	+1.0	B. D. +24° 1611				
$\alpha = 7^h 10^m 3^s.760$ $\delta = +82^\circ 36' 15''.76$			Mar. 18	Br.	0.00	+0.2	$\alpha = 7^h 12^m$ $\delta = +24^\circ 17'$				
1904			24	R.	+0.01	...	1903				
May 2	Br.	-0.40	Oct. 14	Y.	+0.02	-0.1 E.	Dec. 22	Ei.Y.	47.39	58.5 W.	
13	M.	-0.67	17	Br.	+0.01	-0.2	1904				
15	R.	-0.51	24	Br.	+0.02	+0.8	Jan. 25	Ei.Y.	47.42	57.9 W.	
24	R.	-0.40	31	Br.	0.00	-0.4	1905				
1907			Nov. 6	M.	0.00	-0.5	Feb. 24	Ei.Y.	47.40	59.1 E.	
Aug. 29	M.	-0.78	24	Br.	+0.05	+0.7	1906				
30	Hl.	-0.71	1905			Jan. 18	Ei.Y.	47.42	58.5 W.		
Sept. 6	Hl.	-0.36	Jan. 20	Br.	+0.01	+1.0	Mean.....		47.408	58.50	
12	M.P.	-0.56	30	Ei.Y.	+0.03	+0.5	Mag. corr....		-0.005		
15	Hl.P.	-0.57	Feb. 10	Ei.Y.	+0.02	+1.1	δ Geminorum				
1908			14	Br.	0.00	+0.3	$\alpha = 7^h 14^m 9^s.099$ $\delta = +22^\circ 9' 59''.54$				
Aug. 19	Fk.	-0.61	16	Y.	+0.02	+0.1	1904				
Mean.....		-0.557	18	Ei.M.	-0.02	+0.8	Jan. 25	Ei.Y.	-0.05	+0.4 W.	
Mag. corr....		0.000	Mar. 2	Ei.Y.	+0.02	+1.1	27	Ei.Y.	-0.08	...	
B. D. +26° 1508			6	Ei.Y.	+0.02	+0.6	Feb. 3	Ei.Y.	-0.04	+0.3	
$\alpha = 7^h 10^m$ $\delta = +26^\circ 52'$			10	Ei.Y.	+0.02	+0.7	4	Ei.Y.	-0.01	+0.9	
1904			23	Ei.Y.	+0.02	+0.6 E.	20	Ei.R.	-0.02	+0.7	
Feb. 6	Ei.Y.	51.72	Nov. 2	Br.	+0.02	-0.4 W.	22	Ei.M.	-0.03	+0.5	
8	Ei.Y.	51.70	14	Bs.	+0.01	+0.6	Mar. 24	R.	-0.02	+0.4 W.	
			Dec. 11	Br.	+0.06	+1.0	Oct. 16	M.	-0.05	-0.1 E.	
			26	Ei.Y.	+0.01	+0.4	26	Y.	0.00	0.0	
			1906			27	Br.	-0.02	+0.3		
			Jan. 9	Ei.Y.	+0.01	+1.1	28	Y.	+0.02	+0.3	
			30	Ei.Y.	+0.05	+0.5	30	M.	0.00	+0.5	
			Feb. 4	Hl.	0.00	+0.1	Nov. 1	M.	-0.02	+0.9	
			10	Hl.	+0.01	+0.2	1905				
			19	Bs.	0.00	+0.8 W.	Jan. 30	Ei.Y.	-0.02	+0.9 E.	

29 Canis Majoris			1906			1905			1909		
$\alpha = 7^h 14^m$			Feb. 28 Bs.	-0.08	-1.2 W.	Mar. 10 Ei.Y.	20.20	52.8 E.	Mar. 22 M.	-0.02	+0.2 W.
$\delta = -24^\circ 22'$			Mar. 2 Br.	-0.02	-0.8 W.	1906			23 P.	+0.04	+0.6
1907	s	"	1907			Jan. 9 Ei.Y.	20.18	52.6 W.	28 P.	-0.02	+0.8 W.
Dec. 18 M.	30.54	33.3 E.	Oct. 20 M.	-0.05	-0.8 E.	Mean.....	20.170	52.85	1910		
1908			29 P.	-0.08	-0.5	Mag. corr....	-0.007		Jan. 16 P.	+0.02	+0.5 E.
Jan. 17 M.P.	30.53	34.4	Nov. 13 M.	-0.10	-0.8				19 L.	-0.01	0.0
18 P.M.	30.62	33.8	1908						22 M.	-0.02	0.0
Feb. 7 P.	30.57	35.0	Jan. 17 M.P.	-0.05	-0.7				23 P.	+0.02	+0.1
20 M.	30.59	33.6 E.	18 P.M.	+0.02	-0.7 E.				25 P.	+0.02	+0.4
Nov. 5 P.	30.56	33.5 W.	Mean.....	-0.051	-0.86				26 L.	0.00	-0.3
10 L.	30.63	34.7	Mag. corr....	-0.002					29 L.	+0.03	+0.4
11 P.	30.58	34.0							Nov. 19 P.	-0.05	+0.5
12 P.	30.62	34.7							Dec. 15 M.	0.00	-0.6
13 L.	30.63	34.6 W.							17 L.	+0.02	0.0
Mean.....	30.587	34.16							20 P.	-0.03	+0.1
Mag. corr....	+0.001								26 P.	+0.01	+0.3
19 Lyncis									1911		
$\alpha = 7^h 14^m 42^s.549$									Jan. 4 L.	-0.04	0.0
$\delta = +55^\circ 28' 11''.56$									10 P.	0.00	+0.3
1907	s	"							24 P.	-0.05	+0.8
Oct. 23 M.	-0.03	-0.2 E.							25 L.	0.00	+0.3
24 P.	0.00	-0.1							28 L.	+0.02	0.0
30 M.	+0.08	-0.5							Feb. 4 L.	+0.01	+0.4
1908									10 P.	+0.04	+0.2
Jan. 25 M.	-0.04	-0.6							Mar. 24 P.	-0.05	+0.4
Feb. 19 P.	+0.02	+0.1							25 L.	0.00	+0.6
21 Hl.	-0.04	+0.5 E.							28 P.	-0.06	-0.2
Nov. 1 M.	-0.02	-0.2 W.							31 P.	-0.02	+0.5 E.
2 P.	+0.06	-0.2							Mean.....	+0.006	+0.18
6 L.	0.00	0.0							Mag. corr....	-0.006	
14 P.	+0.16	-1.0							η Canis Majoris		
15 M.	-0.02	-0.6 W.							$\alpha = 7^h 20^m$		
Mean.....	+0.015	-0.25							$\delta = -29^\circ 6'$		
Mag. corr....	-0.003								1904		
									Oct. 29 Br.	8.44	29.6 E.
									31 Br.	8.49	28.8
									Nov. 6 M.	8.31	29.4
									24 Br.	8.48	28.3
									1908		
									Jan. 17 M.P.	8.38	28.7 E.
									Nov. 1 M.	8.41	28.6 W.
									2 P.	8.36	28.5
									5 P.	8.46	28.8
									6 L.	8.47	28.9
									10 L.	8.44	28.9 W.
									Mean.....	8.424	28.65
									Mag. corr....	+0.005	
									143 B. Camelopardalis		
									$\alpha = 7^h 20^m 28^s.755$		
									$\delta = +68^\circ 40' 11''.81$		
									1906		
									Feb. 4 Hl.	-0.13	-0.1 W.
									19 Bs.	+0.02	-0.1
									26 Bs.	+0.03	0.0
									28 Bs.	0.00	-0.2
									Mar. 6 Br.	-0.12	+0.2 W.
									1907		
									Oct. 16 M.	-0.05	+0.1 E.
									23 M.	-0.09	-0.2
									24 P.	-0.10	+0.3
									30 M.	-0.08	+0.3
									1908		
									Jan. 18 P.M.	-0.03	+0.3 E.
									Mean.....	-0.055	+0.06
									Mag. corr....	-0.007	
									143 B. Camelopardalis s. p.		
									$\alpha = 7^h 20^m 28^s.757$		
									$\delta = +68^\circ 40' 11''.76$		
									1907		
									June 6 M.	-0.07	+1.1 E.
									July 30 Hl.	+0.04	-0.3 E.

1907			1907			B. D. +19° 1734			6 Canis Minoris		
Sept. 7 M.	-0.19	+0.8 E.	Oct. 18 P.	-0.05	+0.6 E.	$\alpha = 7^h 21^m$			$\alpha = 7^h 24^m$		
15 Hl.P.	-0.10	+0.2 E.	Nov. 5 P.	-0.01	+1.0	$\delta = +19^\circ 14'$			$\delta = +12^\circ 12'$		
1908			1908			1904			1903		
May 17 M.	-0.18	-0.2 W.	13 M.	-0.01	+1.3	Feb. 25 Ei.R.	59.42	54.8 W.	Oct. 4 R.	[13.85]	[48.9] W.
23 P.	-0.19	+0.8	14 Hl.	0.00	+0.6	27 Ei.M.	59.42	54.4 W.	1904		
24 M.	-0.09	0.0	15 P.	+0.06	+1.1	1905			Oct. 16 M.	13.80	48.4 E.
25 P.	-0.05	-0.2	Dec. 18 M.	-0.02	+0.4	Feb. 18 Ei.M.	59.44	54.0 E.	26 Y.	13.86	48.8
26 Fk.	-0.08	0.0 W.	1906			Jan. 24 Ei.Y.	59.44	54.0 W.	27 Br.	13.83	48.8
Mean.....	-0.101	+0.24	Feb. 3 P.	0.00	+0.3	Mean.....			28 Y.	13.87	49.0
Mag. corr....	-0.004		4 P.	+0.04	+0.7	Mag. corr....			29 Br.	13.89	48.3
B. D. +24° 1659			19 P.	0.00	+1.0	p Geminorum			30 M.	13.84	48.8
$\alpha = 7^h 20^m$			21 Hl.	-0.03	+0.6	$\alpha = 7^h 22^m 40^s .896$			31 Br.	13.85	48.4 E.
$\delta = +24^\circ 7'$			Mar. 3 Hl.	-0.05	+0.5	$\delta = +31^\circ 59' 1''.98$			1905		
1904			11 P.	+0.08	E.	1903			Oct. 30 Br.	13.83	48.5 W.
Feb. 6 Ei.Y.	55.49	37.1 W.	Oct. 29 P.	-0.04	+0.5 W.	Oct. 14 L.	+0.05	-1.1 W.	Nov. 14 Bs.	13.83	49.1
8 Ei.Y.	55.49	38.9 W.	Nov. 3 L.	+0.01	-0.3	19 Br.	+0.03	-0.3	21 Bs.	13.82	48.6
1905			12 P.	+0.02	+0.2	21 L.	+0.03	-1.1	1906		
Mar. 16 Ei.Y.	55.46	37.8 E.	13 L.	+0.03	0.0	25 L.	+0.04	-0.8	Mar. 1 Hl.	13.87	48.9
1906			14 P.	-0.02	+0.6	27 R.	-0.03	-1.2	21 Bs.	13.84	48.5
Jan. 9 Ei.Y.	55.48	38.6 W.	15 M.	0.00	+0.3	1904			23 Br.	13.85	49.4 W.
Mean.....	55.480	38.10	1909			Feb. 11 Br.	+0.02	-0.4 W.	Mean.....		
Mag. corr....	-0.005		Feb. 3 L.	+0.02	+0.7	1907			Mag. corr....		
B. D. +21° 1596			Mar. 16 P.	-0.04	...	Oct. 20 M.	+0.03	-0.6 E.	B. D. +28° 1405		
$\alpha = 7^h 20^m$			17 L.	-0.05	+1.4	29 P.	+0.04	+0.1	$\alpha = 7^h 24^m$		
$\delta = +21^\circ 44'$			20 L.	-0.03	+0.4	Nov. 4 Hl.	-0.03	-1.0	$\delta = +28^\circ 7'$		
1904			22 M.	+0.02	+1.2	7 Hl.	+0.01	-1.2	1903		
Feb. 9 Ei.Y.	55.58	8.7 W.	23 P.	-0.01	+0.8	1908			Dec. 3 Ei.Y.	26.63	3.4 W.
15 Ei.Y.	55.62	8.9 W.	28 P.	-0.01	+0.8 W.	Jan. 17 M.P.	+0.03	-0.6	7 Ei.Y.	26.60	3.0 W.
1905			Oct. 19 M.	-0.01	-0.1 E.	1909			1905		
Mar. 2 Ei.Y.	55.57	9.2 E.	1910			Nov. 1 P.	....	+0.4 E.	Feb. 24 Ei.Y.	26.61	3.7 E.
Dec. 26 Ei.Y.	55.49	8.4 W.	Jan. 3 P.	-0.03	+0.7	Mean.....			1906		
Mean.....	55.565	8.80	7 P.	-0.05	+0.9	Mag. corr....			Jan. 18 Ei.Y.	26.67	2.6 W.
Mag. corr....	+0.019		8 L.	0.00	+0.3	B. D. +28° 1396			Mean.....		
B. D. +20° 1805			10 M.	+0.03	+0.8	$\alpha = 7^h 23^m$			Mag. corr....		
$\alpha = 7^h 21^m$			15 L.	+0.06	+0.8	$\delta = +28^\circ 19'$			B. D. +20° 1822		
$\delta = +20^\circ 27'$			16 P.	+0.02	+0.8	1904			$\alpha = 7^h 24^m$		
1903			26 L.	-0.03	0.0	Feb. 23 Ei.R.	6.68	27.1 W.	$\delta = +20^\circ 1'$		
Dec. 3 Ei.Y.	2.73	26.9 W.	29 L.	+0.01	+0.8	24 Ei.M.	6.68	27.5 W.	1904		
22 Ei.Y.	2.73	26.7 W.	Mean.....			1905			Jan. 25 Ei.Y.	30.73	28.9 W.
1905			Mag. corr....			Mar. 13 Ei.Y.	6.68	27.5 E.	Feb. 8 Ei.Y.	30.76	29.6 W.
Feb. 24 Ei.Y.	2.73	27.2 E.	B. D. +21° 1602			1906			1905		
1906			$\alpha = 7^h 21^m$			Jan. 6 Ei.Y.	6.73	27.9 W.	Mar. 23 Ei.Y.	30.80	29.1 E.
Jan. 18 Ei.Y.	2.74	26.6 W.	$\delta = +21^\circ 38'$			Mean.....			1906		
Mean.....	2.732	26.85	1904			B. D. +28° 1400			Jan. 30 Ei.Y.	30.80	28.6 W.
Mag. corr....	-0.009		Feb. 25 Ei.Y.	48.25	58.8 W.	$\alpha = 7^h 23^m$			Mean.....		
β Canis Minoris			Feb. 6 Ei.Y.	48.23	58.4 W.	$\delta = +28^\circ 7'$			Mag. corr....		
$\alpha = 7^h 21^m 43^s .675$			1905			1904			B. D. +24° 1686		
$\delta = +8^\circ 29' 26''.92$			Mar. 23 Ei.Y.	48.27	56.6 E.	Feb. 6 Ei.Y.	35.56	20.8 W.	$\alpha = 7^h 25^m$		
1903			Jan. 30 Ei.Y.	48.25	58.9 W.	8 Ei.Y.	35.62	21.6 W.	$\delta = +24^\circ 42'$		
Sept. 20 R.	....	[+0.6] W.	Mean.....			1905			1904		
24 R.	[-0.09]	[+1.6]	Mag. corr....			Mar. 16 Ei.Y.	35.60	21.2 E.	Feb. 20 Ei.R.	50.63	51.8 W.
27 L.	[-0.07]	[+0.9]	B. D. +26° 1564			1906			22 Ei.M.	50.67	51.4 W.
28 R.	[-0.03]	[+0.7]	$\alpha = 7^h 21^m$			Jan. 29 Ei.Y.	35.59	21.3 W.	1905		
29 L.	[+0.02]	[+0.7]	$\delta = +26^\circ 25'$			Mean.....			Mar. 10 Ei.Y.	50.60	51.2 E.
30 R.	[-0.01]	[+0.8]	1904			B. D. +16° 1490			1906		
Oct. 1 L.	[-0.05]	[+0.8]	Feb. 20 Ei.R.	52.03	46.0 W.	$\alpha = 7^h 23^m$			Feb. 13 Ei.Y.	50.62	51.3 W.
12 Br.	+0.05	+0.4	22 Ei.M.	52.04	45.8 W.	$\delta = +16^\circ 22'$			Mean.....		
13 R.	-0.02	+0.6	1905			1904			Mag. corr....		
1904			Mar. 10 Ei.Y.	52.03	45.5 E.	Feb. 9 Ei.Y.	44.67	11.0 W.	B. D. +17° 1596		
Jan. 14 Ei.Y.	-0.02	+1.1	1906			15 Ei.Y.	44.66	11.7 W.	$\alpha = 7^h 26^m$		
Mar. 1 Ei.M.	+0.01	+0.9	Jan. 9 Ei.Y.	51.98	45.6 W.	1905			$\delta = +17^\circ 17'$		
4 Ei.Y.	-0.02	+1.3	Mean.....			Mar. 2 Ei.Y.	44.64	11.8 E.	1904		
1906			Mag. corr....			1906			Feb. 25 Ei.R.	2.53	56.6 W.
Jan. 5 Ei.Y.	0.00	+1.0	B. D. +26° 1564			Feb. 7 Ei.Y.	44.64	11.4 W.	27 Ei.M.	2.50	56.2 W.
6 Ei.Y.	-0.02	+0.5	$\alpha = 7^h 21^m$			Mean.....			1905		
7 Ei.Y.	-0.01	+1.1	$\delta = +26^\circ 25'$			Mag. corr....			Feb. 18 Ei.M.	2.50	55.8 E.
13 Ei.Y.	+0.01	+1.0 W.	1904			B. D. +16° 1490					

1906			B. D. +16° 1510			1903			B. D. +24° 1727.		
Jan. 24	Ei. Y.	2.56	56.0	W.		Oct. 28	L.	46.35	48.4	W.	
Mean.....		2.522	56.15			1904					
Mag. corr....		-0.006				Feb. 11	Br.	46.31	45.9	W.	
B. D. +18° 1653						Nov. 24	Br.	46.43	46.9	E.	
$\alpha = 7^h 26^m$						1907					
$\delta = +18^\circ 34'$						Nov. 14	Hl.	46.35	48.0		
1904						15	P.	46.44	47.7		
Feb. 23	Ei. R.	38.46	44.8	W.		Dec. 18	M.	46.27	47.4		
24	Ei. M.	38.43	44.9	W.		1908					
1905						Jan. 18	P. M.	46.40	47.9	E.	
Mar. 13	Ei. Y.	38.44	45.4	E.		Mean.....		46.371	47.33		
1906						Mag. corr....		+0.003			
Jan. 6	Ei. Y.	38.45	44.9	W.		25 Monocerotis					
Mean.....		38.445	45.00			$\alpha = 7^h 32^m 18^s.327$					
Mag. corr....		+0.002				$\delta = -3^\circ 53' 15''.04$					
B. D. +21° 1630						1903					
$\alpha = 7^h 26^m$						Oct. 13	R.	[+0.02]	[+0.7]	W.	
$\delta = +21^\circ 37'$						1905					
1904						Mar. 15	M.	+0.08	0.0	E.	
Feb. 6	Ei. Y.	38.53	15.2	W.		18	M.	+0.07	+0.6		
8	Ei. Y.	38.62	15.9	W.		31	Y.	+0.05	+0.1	E.	
1905						1906					
Mar. 16	Ei. Y.	38.52	15.4	E.		Feb. 5	Bs.	+0.08	+0.2	W.	
1906						16	Br.	+0.04	+0.1		
Jan. 29	Ei. Y.	38.55	15.9	W.		17	Hl.	0.00	-0.1		
Mean.....		38.555	15.60			20	Br.	+0.04	-0.4	W.	
Mag. corr....		+0.014				1907					
B. D. +23° 1744						Oct. 20	M.	+0.05	+0.2	E.	
$\alpha = 7^h 26^m$						Nov. 5	P.	+0.01	-0.2	E.	
$\delta = +23^\circ 6'$						Mean.....		+0.047	+0.06		
1904						Mag. corr....		-0.001			
Feb. 15	Ei. Y.	51.05	3.5	W.		o Geminorum					
25	Ei. R.	51.05	3.2	W.		$\alpha = 7^h 32^m$					
1905						$\delta = +34^\circ 48'$					
Mar. 2	Ei. Y.	51.11	4.0	E.		1903					
1906						Oct. 27	R.	38.36	50.0	W.	
Feb. 7	Ei. Y.	51.11	3.2	W.		1904					
Mean.....		51.080	3.47			Mar. 18	Br.	38.35	48.9	W.	
Mag. corr....		-0.015				Nov. 11	Y.	38.38	48.8	E.	
B. D. +25° 1704						1906					
$\alpha = 7^h 27^m$						Feb. 19	Bs.	38.34	49.6	W.	
$\delta = +25^\circ 36'$						24	Hl.	38.36	49.0		
1903						26	Bs.	38.33	49.2	W.	
Dec. 3	Ei. Y.	36.46	55.4	W.		1907					
7	Ei. Y.	36.41	55.4	W.		Oct. 24	P.	38.34	48.8	E.	
1905						30	M.	38.32	48.2		
Feb. 24	Ei. Y.	36.47	55.3	E.		Dec. 19	Hl.	38.31	48.5		
1906						1908					
Feb. 13	Ei. Y.	36.51	55.3	W.		Jan. 17	M. P.	38.31	49.3	E.	
Mean.....		36.462	55.35			Mean.....		38.340	49.03		
Mag. corr....		-0.009				Mag. corr....		+0.002			
B. D. +15° 1598						B. D. +24° 1730					
$\alpha = 7^h 27^m$						$\alpha = 7^h 33^m$					
$\delta = +15^\circ 51'$						$\delta = +24^\circ 26'$					
1904						1903					
Jan. 25	Ei. Y.	42.63	13.6	W.		Dec. 3	Ei. Y.	9.58	58.2	W.	
Feb. 6	Ei. Y.	42.61	12.9	W.		7	Ei. Y.	9.45	58.3	W.	
1905						1905					
Mar. 23	Ei. Y.	42.63	13.6	E.		Feb. 24	Ei. Y.	9.53	58.6	E.	
1906						1906					
Jan. 30	Ei. Y.	42.65	13.4	W.		Feb. 13	Ei. Y.	9.52	58.1	W.	
Mean.....		42.630	13.37			Mean.....		9.520	58.30		
Mag. corr....		+0.015				Mag. corr....		-0.010			
B. D. +19° 1784						B. D. +16° 1531					
$\alpha = 7^h 31^m$						$\alpha = 7^h 33^m$					
$\delta = +19^\circ 8'$						$\delta = +16^\circ 19'$					
1904						1904					
Feb. 6	Ei. Y.	41.08	36.2	W.		Jan. 25	Ei. Y.	12.52	24.8	W.	
8	Ei. Y.	41.11	37.2	W.		Feb. 6	Ei. Y.	12.50	24.3	W.	
1905											
Mar. 16	Ei. Y.	41.02	36.8	E.							
1906											
Jan. 29	Ei. Y.	41.03	36.9	W.							
Mean.....		41.060	36.77								
Mag. corr....		+0.014									
108 G. Puppis											
$\alpha = 7^h 29^m$											
$\delta = -22^\circ 4'$											
1903											
Oct. 14	L.	[46.36]	[47.8]	W.							
18	L.	46.36	45.9								
19	Br.	46.40	47.1								
25	L.	46.40	48.1	W.							

1905			1904			26 Monocerotis			1903		
Mar. 23	Ei.Y.	12.48 24.7 E.	Oct. 28	Y.	0.00 -0.4 E.	$\alpha = 7^h 36^m 28^s.110$			Oct. 19	Br.	-0.04 +0.5 W.
1906			29	Br.	-0.04 +0.1	$\delta = -9^\circ 19' 4''.45$			21	L.	+0.02 +0.6
Jan. 30	Ei.Y.	12.50 24.1 W.	30	M.	+0.06 -0.2				25	L.	+0.03 0.0
Mean.....		12.500 24.47	31	Br.	0.00 -1.1				27	R.	-0.09 +1.0
Mag. corr....		-0.008	Nov. 1	M.	-0.02 0.0	1904			Nov. 8	L.	+0.09 +1.9
<i>f Puppis</i>			6	M.	-0.02 -0.4	Feb. 11	Br.	+0.05 +2.4 W.	1904		
$\alpha = 7^h 33^m$			14	Br.	-0.04 +0.1 E.	Feb. 5	Bs.	+0.04 +1.6	Feb. 25	Ei.R.	-0.02 +0.8
$\delta = -34^\circ 44'$			1905			16	Br.	-0.02 +0.6	27	Ei.M.	-0.04 +0.8
1903			Nov. 3	Bs.	-0.06 (+2.4) W.	20	Br.	+0.05 +0.8	Mar. 1	Ei.M.	-0.02 +0.5
Oct. 14	L.	[40.11] [35.9] W.	21	Bs.	-0.01 +0.5	22	Hl.	+0.03 +1.1	4	Ei.Y.	-0.02 +0.9
21	L.	40.04 36.2	26	Hl.	+0.02 +0.3	27	Br.	+0.12 +1.2 W.	18	Br.	+0.03 +0.7 W.
28	L.	40.22 34.5	1906						Oct. 24	Br.	0.00 +1.0 E.
Nov. 8	L.	40.22 34.9 W.	Feb. 28	Bs.	+0.01 -0.1	Oct. 24	P.	+0.12 +0.1 E.	29	Br.	+0.01 +0.7
1904			Mar. 2	Br.	0.00 +0.8	30	M.	+0.07 +0.6	31	Br.	+0.02 +0.2
Nov. 16	Y.	40.10 34.5 E.	6	Br.	-0.01 +0.2 W.	Dec. 19	Hl.	+0.04 +0.5	Nov. 6	M.	-0.01 +0.3
24	Br.	40.23 36.2 E.	Mean.....		-0.014 +0.04	1908			16	Y.	+0.05 +0.8
1905			Mag. corr....		+0.001	Jan. 18	P.M.	+0.14 +0.9	24	Br.	-0.01 +1.3
Dec. 6	Hl.	40.15 W.	B. D. +19° 1794			24	P.	+0.08 0.0 E.	1905		
1906			$\alpha = 7^h 34^m$			Mean.....		+0.065 +0.89	Feb. 18	Ei.M.	-0.06 +0.9
Mar. 20	Br.	40.09 35.1	$\delta = +19^\circ 35'$			Mag. corr....		+0.006	Mar. 2	Ei.Y.	+0.01 +1.5
21	Bs.	..... 36.0	1904			B. D. +29° 1590			15	M.	+0.02 +0.6
22	Bs.	40.13 34.4 W.	Feb. 25	Ei.R.	33.94 20.3 W.	$\alpha = 7^h 37^m$			18	M.	-0.03 +0.9
1907			27	Ei.M.	33.86 19.9 W.	$\delta = +29^\circ 7'$			31	Y.	0.00 +0.9 E.
Nov. 14	Hl.	40.14 37.3 E.	1905			1903			Oct. 21	Hl.	+0.01 -0.1 W.
15	P.	40.23 36.5	Feb. 18	Ei.M.	33.93 19.7 E.	Dec. 3	Ei.Y.	3.83 31.8 W.	30	Br.	-0.04 +0.6
Dec. 18	M.	40.09 34.6 E.	1906			7	Ei.Y.	3.79 31.9 W.	Nov. 3	Bs.	-0.03 -0.4
Mean.....		40.149 35.47	Jan. 24	Ei.Y.	33.95 19.9 W.	1905			10	Hl.	+0.03 +0.8
Mag. corr....		+0.003	Mean.....		33.920 19.95	Feb. 24	Ei.Y.	3.79 31.9 E.	21	Bs.	-0.06 +0.4
B. D. +18° 1701			Mag. corr....		+0.003	1906			22	Hl.	-0.02 +1.1
$\alpha = 7^h 33^m$			B. D. +23° 1780			Mean.....		3.820 31.70	1906		
$\delta = +17^\circ 54'$			$\alpha = 7^h 34^m$			Mag. corr....		+0.009	Jan. 9	Ei.Y.	-0.01 +0.2
1904			$\delta = +23^\circ 14'$			B. D. +22° 1756			24	Ei.Y.	+0.04 +0.8
Feb. 20	Ei.R.	42.15 9.4 W.	1904			$\alpha = 7^h 37^m$			29	Ei.Y.	+0.02 +0.6
22	Ei.M.	42.16 8.8 W.	Feb. 23	Ei.R.	59.35 59.0 W.	$\delta = +22^\circ 38'$			Feb. 19	Bs.	+0.05 +0.7
1905			24	Ei.M.	59.29 58.9 W.	1904			23	Ei.Y.	+0.02 0.0
Mar. 10	Ei.Y.	42.22 8.4 E.	1905			Jan. 25	Ei.Y.	24.88 7.4 W.	26	Bs.	-0.08 +0.6
1906			Mar. 13	Ei.Y.	59.27 59.8 E.	Feb. 8	Ei.Y.	24.89 7.6 W.	28	Bs.	-0.05 +0.4
Feb. 7	Ei.Y.	42.19 9.2 W.	1906			1905			Mar. 2	Br.	-0.01 +0.7
Mean.....		42.180 8.95	Jan. 6	Ei.Y.	59.26 59.5 W.	Mar. 23	Ei.Y.	24.87 6.9 E.	6	Br.	+0.04 +0.4
Mag. corr....		-0.001	Mean.....		59.292 59.30	1906			20	Br.	-0.05 +1.1
α Canis Minoris			Mag. corr....		+0.021	Jan. 30	Ei.Y.	24.82 7.2 W.	21	Bs.	..... +0.2
$\alpha = 7^h 34^m 3^s.714$			B. D. +26° 1625			Mean.....		24.865 7.27	22	Bs.	-0.03 +0.9
$\delta = +5^\circ 28' 45'' .08$			$\alpha = 7^h 35^m$			Mag. corr....		+0.020	23	Br.	+0.02 +0.9 W.
1903			$\delta = +26^\circ 7'$			B. D. +26° 1633			1907		
Sept. 25	L.	[+0.07] [+1.3] W.	1904			$\alpha = 7^h 38^m$			Nov. 10	M.	-0.02 ... E.
27	L.	[-0.03] [+1.1]	Feb. 6	Ei.Y.	10.93 14.2 W.	$\delta = +26^\circ 1'$			1908		
29	L.	[+0.12] [+1.2]	8	Ei.Y.	10.93 15.1 W.	1904			Feb. 9	Hl.	+0.06 ...
Oct. 1	L.	[0.00] [+1.2]	1905			Feb. 20	Ei.R.	1.02 21.3 W.	Mar. 11	P.	-0.04 ... E.
18	L.	+0.07 +1.5 W.	Mar. 16	Ei.Y.	10.97 14.0 E.	22	Ei.M.	1.01 21.4 W.	Nov. 2	P.	+0.04 ... W.
1907			1906			1905			3	L.	0.00 ...
Oct. 29	P.	+0.11 +1.9 E.	Jan. 29	Ei.Y.	10.93 14.8 W.	Mar. 10	Ei.Y.	0.99 20.8 E.	5	P.	-0.06 ...
Nov. 4	Hl.	+0.09 +1.6	Mean.....		10.940 14.52	1906			6	L.	+0.01 ...
7	Hl.	+0.13 +1.2	Mag. corr....		-0.007	Feb. 7	Ei.Y.	1.03 21.7 W.	20	L.	-0.01 +0.7
1908			B. D. +21° 1661			Mean.....		1.012 21.30	1909		
Jan. 16	P.	+0.01 +0.6	$\alpha = 7^h 35^m$			Mag. corr....		-0.003	Mar. 23	P.	+0.01 +1.2
18	P.M.	+0.13 +1.4 E.	$\delta = +21^\circ 40'$			κ Geminorum			28	P.	-0.02 +0.5
Mean.....		+0.090 +1.37	1904			$\alpha = 7^h 38^m 24^s.702$			29	M.	+0.05 ... W.
Mag. corr....		0.000	Feb. 9	Ei.Y.	17.27 45.8 W.	$\delta = +24^\circ 38' 15'' .87$			Nov. 1	P.	..... +0.9 E.
24 Lynx			15	Ei.Y.	17.28 46.3 W.	1903			29	P.	-0.05 +0.6
$\alpha = 7^h 34^m 32^s.907$			1905			Sept. 24	R.	[+0.03] [+1.2] W.	Dec. 17	L.	-0.02 +1.1
$\delta = +58^\circ 56' 39'' .77$			Mar. 2	Ei.Y.	17.30 46.4 E.	27	L.	[-0.11] [+1.1]	26	M.	+0.02 +0.6
1903			Dec. 26	Ei.Y.	17.32 45.9 W.	29	L.	[-0.06] [+0.7]	28	L.	0.00 +0.4
Oct. 25	L.	+0.03 +0.1 W.	Mean.....		17.292 46.10	Oct. 12	Br.	[+0.05] [+0.4]	1910		
1904			Mag. corr....		-0.002	13	R.	[0.00] [+0.4]	Jan. 3	P.	-0.08 +0.9
Oct. 24	Br.	-0.01 +0.4 E.	B. D. +21° 1661			14	L.	[0.00] [+0.4]	7	P.	-0.08 +0.6
26	Y.	-0.04 +0.1	$\alpha = 7^h 35^m$			18	L.	-0.02 +1.3 W.	8	L.	-0.03 +0.4
27	Br.	-0.10 +0.2 E.	$\delta = +21^\circ 40'$			κ Geminorum			15	L.	-0.02 +0.7

1911			1911			1905			B. D. +24° 1777		
Mar. 31 P.	-0.08	+1.4 E.	Jan. 4 L.	+0.04	+0.6 E.	Mar. 23 Ei.Y.	20.06	15.1 E.	$\alpha = 7^h 43^m$		
Mean.....	-0.013	+0.73	Feb. 10 P.	-0.01	+0.3	1906			$\delta = +24^\circ 44'$		
Mag. corr....	-0.004		Mar. 28 P.	+0.04	+0.7	Jan. 30 Ei.Y.	20.07	14.6 W.			
	[-0.015][+0.70]		31 P.	+0.06	+0.8 E.	Mean.....	20.078	14.95			
• β Geminorum			Mean.....	+0.021	+0.41	Mag. corr....	+0.001				
$\alpha = 7^h 39^m 11^s.511$			Mag. corr....	-0.006		B. D. +16° 1551					
$\delta = +28^\circ 16' 3''.79$			B. D. +20° 1893			$\alpha = 7^h 40^m$					
1903			$\alpha = 7^h 39^m$			$\delta = +16^\circ 40'$					
Sept. 25 L.	[+0.01]	[+0.3] W.	$\delta = +20^\circ 33'$			1904					
Oct. 1 L.	[-0.08]	[+0.3]	1904			Feb. 20 Ei.R.	26.29	53.8 W.			
20 R.	+0.08	+0.2	Mar. 1 Ei.M.	17.16	23.1 W.	22 Ei.M.	26.29	53.8 W.			
1904			4 Ei.Y.	17.17	23.1 W.	1905					
Feb. 6 Ei.Y.	+0.07	-0.2	1905			Mar. 10 Ei.Y.	26.28	52.8 E.			
8 Ei.Y.	-0.01	+0.5	Mar. 16 Ei.Y.	17.12	22.4 E.	1906					
23 Ei.R.	+0.01	+0.4	1906			Feb. 7 Ei.Y.	26.28	53.6 W.			
24 Ei.M.	0.00	+0.3	Feb. 23 Ei.Y.	17.18	22.4 W.	Mean.....	26.285	53.50			
Mar. 9 Ei.Y.	+0.09	+0.3	Mean.....	17.158	22.75	Mag. corr....	+0.007				
15 Ei.Y.	+0.04	+0.3	Mag. corr....	+0.020		π Geminorum					
16 Ei.Y.	+0.02	+1.0	B. D. +27° 1470			$\alpha = 7^h 41^m 3^s.633$					
22 Ei.Y.	0.00	0.0	$\alpha = 7^h 39^m$			$\delta = +33^\circ 39' 39''.67$					
23 Ei.Y.	+0.03	+0.4 W.	$\delta = +26^\circ 53'$			1905					
1905			1904			Mar. 15 M.	-0.01	+0.7 E.			
Feb. 24 Ei.Y.	-0.02	+0.7 E.	Feb. 9 Ei.Y.	44.79	2.8 W.	18 M.	-0.01	+1.2			
Mar. 13 Ei.Y.	-0.04	+0.9	15 Ei.Y.	44.76	2.9 W.	31 Y.	+0.02	+0.6 E.			
25 Ei.M.	0.00	0.0 E.	1905			1906					
Nov. 16 Br.	+0.04	+0.3 W.	Mar. 2 Ei.Y.	44.78	3.6 E.	Feb. 5 Bs.	-0.08	+0.4 W.			
Dec. 11 Br.	+0.06	+0.7	Dec. 26 Ei.Y.	44.76	2.6 W.	16 Br.	-0.04	+0.5			
13 Hl.	+0.03	+0.1	Mean.....	44.772	2.97	20 Br.	0.00	+0.4			
1906			Mag. corr....	0.000		22 Hl.	-0.08	+0.6			
Jan. 6 Ei.Y.	0.00	+0.8	/ Puppis			27 Br.	+0.02	+1.0 W.			
Feb. 4 Hl.	+0.04	0.0	$\alpha = 7^h 39^m$			1907					
13 Ei.Y.	+0.06	+0.8	$\delta = -28^\circ 42'$			Oct. 24 P.	+0.01	+0.7 E.			
24 Hl.	0.00	+0.3 W.	1904			30 M.	-0.04	+0.5 E.			
1907			Oct. 26 Y.	47.65	55.0 E.	Mean.....	-0.021	+0.66			
Oct. 20 M.	+0.02	+0.3 E.	27 Br.	47.59	55.5	Mag. corr....	-0.002				
29 P.	+0.06	+0.5	30 M.	47.54	55.6	4 Puppis					
Nov. 4 Hl.	-0.02	+0.9	Nov. 1 M.	47.62	55.9	$\alpha = 7^h 41^m$					
5 P.	+0.07	+0.6	11 Y.	47.62	55.7 E.	$\delta = -14^\circ 19'$					
13 M.	+0.01	...	1905			1904					
14 Hl.	+0.01	+0.3	Nov. 2 Br.	47.65	56.7 W.	Feb. 11 Br.	20.59	12.9 W.			
25 P.	+0.04	+0.8	14 Bs.	47.65	56.0	Nov. 6 M.	20.58	14.1 E.			
Dec. 18 M.	+0.01	+0.3	Dec. 6 Hl.	47.68	54.4	24 Br.	20.66	13.8 E.			
1908			1906			1905					
Jan. 16 P.	+0.08	...	Mar. 5 Bs.	47.66	56.0	Nov. 3 Bs.	20.54	15.0 W.			
18 P.M.	+0.06	+1.1	10 Hl.	47.72	54.4 W.	26 Hl.	20.62	13.7			
24 P.	-0.02	+0.1	Mean.....	47.638	55.52	1906					
Feb. 7 P.	-0.02	+0.5	Mag. corr....	+0.009		Mar. 21 Bs.	...	13.5			
19 P.	+0.02	+0.5	B. D. +21° 1679			22 Bs.	20.58	13.0			
20 M.	+0.04	0.0	$\alpha = 7^h 40^m$			23 Br.	20.62	13.7 W.			
21 Hl.	-0.07	+0.7	$\delta = +21^\circ 21'$			1907					
28 Hl.	+0.06	+0.3	1903			Nov. 7 Hl.	20.59	14.1 E.			
Mar. 3 Hl.	-0.05	+0.6	Dec. 7 Ei.Y.	13.66	52.7 W.	13 M.	20.58	14.1			
10 Hl.	-0.03	0.0	1904			15 P.	20.67	13.8 E.			
11 P.	-0.07	...	Feb. 6 Ei.Y.	13.62	51.7 W.	Mean.....	20.603	13.79			
Oct. 29 P.	-0.02	+0.5 W.	1905			Mag. corr....	0.000				
30 L.	+0.02	+1.2	Feb. 24 Ei.Y.	13.66	52.7 E.	B. D. +23° 1812					
Nov. 1 M.	+0.02	+0.3	1906			$\alpha = 7^h 42^m$					
2 P.	-0.04	+1.2	Feb. 13 Ei.Y.	13.70	52.5 W.	$\delta = +23^\circ 23'$					
3 L.	+0.03	-0.3	Mean.....	13.660	52.40	1904					
5 P.	-0.02	+1.4	Mag. corr....	+0.006		Feb. 25 Ei.R.	34.96	19.2 W.			
6 L.	+0.04	-0.1	B. D. +18° 1733			27 Ei.M.	34.95	19.2 W.			
10 L.	+0.03	+0.2	$\alpha = 7^h 40^m$			1905					
11 M.	+0.06	+0.4	$\delta = +18^\circ 45'$			Feb. 18 Ei.M.	34.89	19.3 E.			
13 L.	+0.04	-0.4	1904			1906					
14 P.	+0.09	-0.1	Jan. 25 Ei.Y.	20.11	14.8 W.	Jan. 24 Ei.Y.	34.92	18.9 W.			
15 M.	+0.04	+0.6	Feb. 8 Ei.Y.	20.07	15.3 W.	Mean.....	34.930	19.15			
1909						Mag. corr....	+0.021				
Feb. 3 L.	+0.02	+0.3	ξ Argus								
Mar. 28 P.	0.00	+0.3	$\alpha = 7^h 45^m 5^s.316$								
29 M.	-0.03	...	$\delta = -24^\circ 36' 31''.25$								
Nov. 1 P.	...	-0.1 E.	1903								
1910			Sept. 24 R.	...							
Jan. 25 P.	+0.08	+0.8	Oct. 13 R.	[-0.03]	[+1.0] W.						
Sept. 27 L.	[+0.02]	[0.0]	20 R.	0.00	+0.2						
Dec. 17 L.	+0.06	0.0	21 L.	+0.12	+0.2						
20 P.	+0.03	0.0 E.	28 L.	+0.02	+2.1 W.						

B. D. +19° 1854			1903			1907			B. D. +18° 1778		
$\alpha = 7^h 46^m$			s			s			$\alpha = 7^h 49^m$		
$\delta = +19^\circ 34'$			$"$			$"$			$\delta = +18^\circ 21'$		
1904			Nov. 11 Y.			Dec. 20 P.			1904		
Jan. 25 Ei.Y.			14 Br.			1908			s		
Feb. 6 Ei.Y.			16 Y.			Mar. 3 Hl.			Mar. 9 Ei.Y.		
1905			24 Br.			Mean.....			15 Ei.Y.		
Mar. 23 Ei.Y.			1905			Mag. corr....			1905		
1906			Feb. 17 Ei.Y.			166 B. Camelopardalis			Feb. 17 Ei.Y.		
Jan. 30 Ei.Y.			18 Ei.M.			$\alpha = 7^h 48^m 13^s.920$			Dec. 26 Ei.Y.		
Mean.....			Mar. 2 Ei.Y.			$\delta = +74^\circ 11' 6''.25$			Mean.....		
Mag. corr....			16 Ei.Y.			1903			Mag. corr....		
B. D. +22° 1803			23 Ei.Y.			s			B. D. +20° 1946		
$\alpha = 7^h 47^m$			25 Ei.M.			$"$			$\alpha = 7^h 49^m$		
$\delta = +22^\circ 35'$			27 Ei.Y.			Oct. 18 L.			$\delta = +20^\circ 8'$		
1904			Oct. 21 Hl.			25 L.			1904		
Feb. 20 Ei.R.			Nov. 2 Br.			1905			s		
22 Ei.M.			10 Hl.			Oct. 30 Br.			Mar. 16 Ei.Y.		
1905			12 Hl.			Nov. 3 Bs.			23 Ei.Y.		
Mar. 10 Ei.Y.			16 Br.			1907			1905		
1906			22 Hl.			Oct. 29 P.			Mar. 25 Ei.M.		
Feb. 7 Ei.Y.			26 Hl.			1908			1906		
Mean.....			Dec. 6 Hl.			Jan. 16 P.			Feb. 13 Ei.Y.		
Mag. corr....			11 Br.			17 M.P.			Mean.....		
9 Puppis			1906			18 P.M.			Mag. corr....		
$\alpha = 7^h 47^m 8^s.452$			Jan. 24 Ei.Y.			Mar. 10 Hl.			B. D. +25° 1794		
$\delta = -13^\circ 37' 58''.89$			Feb. 4 Hl.			Nov. 5 P.			$\alpha = 7^h 49^m$		
1906			19 Br.			Mean.....			$\delta = +24^\circ 55'$		
Feb. 28 Bs.			26 Bs.			166 B. Camelopardalis s. p.			1904		
Mar. 5 Bs.			Mar. 2 Br.			$\alpha = 7^h 48^m 13^s.923$			s		
10 Hl.			6 Br.			$\delta = +74^\circ 11' 6''.30$			Jan. 25 Ei.Y.		
1907			20 Br.			1904			Feb. 9 Ei.Y.		
Oct. 24 P.			21 Bs.			Sept. 21 M.			1905		
30 M.			22 Bs.			28 M.			Mar. 23 Ei.Y.		
Nov. 13 M.			23 Br.			Oct. 3 M.			1906		
Dec. 19 Hl.			1907			7 Br.			Jan. 30 Ei.Y.		
1908			Nov. 7 Hl.			1905			Mean.....		
Jan. 24 P.			8 P.			Aug. 22 Br.			Mag. corr....		
Nov. 11 M.			10 M.			26 Hl.			B. D. +24° 1806		
12 P.			14 Hl.			Sept. 8 Hl.			$\alpha = 7^h 50^m$		
Mean.....			15 P.			14 Bs.			$\delta = +23^\circ 53'$		
Mag. corr....			1908			28 Hl.			1904		
ϕ Geminorum			Jan. 17 M.P.			1907			s		
$\alpha = 7^h 47^m 22^s.706$			Feb. 21 Hl.			Sept. 16 M.			Feb. 20 Ei.R.		
$\delta = +27^\circ 1' 29''.02$			24 M.			Mean.....			22 Ei.M.		
1903			Mar. 11 P.			B. D. +16° 1580			1905		
Nov. 3 R.			Nov. 6 L.			$\alpha = 7^h 48^m$			Mar. 10 Ei.Y.		
Dec. 3 Ei.Y.			10 L.			$\delta = +16^\circ 17'$			1906		
7 Ei.Y.			13 L.			1904			Feb. 7 Ei.Y.		
1904			14 P.			Feb. 23 Ei.R.			Mean.....		
Feb. 6 Ei.Y.			15 M.			24 Ei.M.			Mag. corr....		
8 Ei.Y.			1909			1905			B. D. +26° 1684		
9 Ei.Y.			Mar. 16 P.			Mar. 13 Ei.Y.			$\alpha = 7^h 50^m$		
11 Br.			28 P.			1906			$\delta = +26^\circ 22'$		
15 Ei.Y.			Dec. 28 L.			Jan. 6 Ei.Y.			1904		
25 Ei.R.			1910			Mean.....			s		
27 Ei.M.			Jan. 25 P.			16.178			Feb. 25 Ei.R.		
Mar. 9 Ei.Y.			Dec. 17 L.			46.92			Mar. 1 Ei.M.		
15 Ei.Y.			20 P.			1905			1905		
16 Ei.Y.			1911			Mar. 16 Ei.Y.			Feb. 18 Ei.M.		
18 Br.			Feb. 10 P.			Mean.....			1906		
22 Ei.Y.			Mar. 10 P.			16.178			Feb. 23 Ei.Y.		
23 Ei.Y.			Mean.....			46.92			Mean.....		
Oct. 24 Br.			Mag. corr....			B. D. +21° 1714			Mag. corr....		
26 Y.			26 Lynceis			$\alpha = 7^h 48^m$			1 Cancri		
27 Br.			$\alpha = 7^h 47^m 26^s.001$			$\delta = +21^\circ 21'$			$\alpha = 7^h 51^m 18^s.820$		
28 Y.			$\delta = +47^\circ 49' 26''.23$			1904			$\delta = +16^\circ 3' 26''.66$		
29 Br.			1905			Mar. 4 Ei.Y.			1903		
30 M.			Mar. 15 M.			22 Ei.Y.			s		
31 Br.			18 M.			Mean.....			Oct. 13 R.		
Nov. 1 M.			31 Y.			20.088			20 R.		
			1906			56.38			27 R.		
			Feb. 5 Bs.			Mag. corr....			Nov. 9 Br.		
			16 Br.								
			17 Hl.								
			20 Br.								
			27 Br.								

1904	s	"	1906	s	"	1905	s	"	1904	s	"
Feb. 23 Ei.R.	-0.02	+0.1 W.	Feb. 13 Ei.Y.	+0.09	+0.7 W.	Dec. 6 Hl.	3.49	58.8 W.	Apr. 2 Ei.Y.	-0.02	+0.8 W.
24 Ei.M.	+0.05	+0.6 W.	19 Bs.	+0.04	+0.1	11 Br.	3.54	59.6	3 Ei.Y.	-0.03	+0.7
1905			26 Bs.	+0.02	+0.1	1906			5 Br.	+0.02	+0.7 W.
Mar. 13 Ei.Y.	-0.04	+1.1 E.	28 Bs.	-0.05	+0.3	Jan. 6 Ei.Y.	3.55	58.6	1905		
15 M.	+0.03	+0.5	Mar. 21 Bs.	+0.03	+0.2	Mar. 20 Br.	3.52	59.0 W.	Feb. 17 Ei.Y.	+0.01	-0.3 E.
18 M.	+0.03	+1.1	22 Bs.	+0.03	+0.6	Mean.....	3.524	58.65	Mar. 13 Ei.Y.	-0.09	+0.9
31 Y.	+0.03	+0.8 E.	23 Br.	+0.02	+0.7 W.	Mag. corr.....	-0.006		15 M.	-0.04	+0.2
Nov. 2 Br.	-0.02	-0.2 W.	1907			B. D. +25° 1816			23 Ei.Y.	-0.05	+0.3
16 Br.	+0.02	+0.4	Oct. 29 P.	+0.05	+0.6 E.	$\alpha = 7^h 55^m$			27 Ei.Y.	-0.03	+0.5
Dec. 11 Br.	+0.06	+0.7	Nov. 4 Hl.	-0.02	+0.8	$\delta = +25^\circ 21'$			29 Ei.M.	+0.02	+0.6
1906			15 P.	+0.07	+0.4				31 Y.	0.00	+0.7
Jan. 6 Ei.Y.	0.00	+0.5	25 P.	+0.06	+0.3	1904	s	"	Apr. 4 Br.	-0.05	+0.7 E.
Mar. 5 Bs.	+0.04	+0.3 W.	1909			Mar. 1 Ei.M.	41.91	54.6 W.	Nov. 10 Hl.	+0.01	W.
1907			Nov. 1 P.	.....	0.0 E.	4 Ei.Y.	41.95	54.6 W.	22 Hl.	-0.06	+1.3
Nov. 5 P.	-0.05	+0.6 E.	Mean.....	+0.030	+0.43	1905			26 Hl.	0.00	+0.7
7 Hl.	-0.01	+0.4 E.	Mag. corr.....	-0.009		Mar. 16 Ei.Y.	41.94	53.4 E.	1906		
Mean.....	+0.008	+0.42				1906			Jan. 10 Ei.Y.	-0.02	-0.3
Mag. corr.....	-0.008					Jan. 30 Ei.Y.	41.91	53.8 W.	Feb. 4 Hl.	-0.02	+0.4
B. D. +16° 1598						Mean.....	41.928	54.10	17 Hl.	0.00	+0.3
$\alpha = 7^h 52^m$						Mag. corr.....	+0.021		20 Br.	-0.02	+0.5
$\delta = +16^\circ 47'$						B. D. +16° 1612			22 Hl.	0.00	+0.8
1904	s	"				$\alpha = 7^h 55^m$			23 Ei.Y.	-0.05	+0.3
Mar. 1 Ei.M.	49.21	17.8 W.	1904	s	"	$\delta = +16^\circ 43'$			27 Br.	-0.03	+0.3
4 Ei.Y.	49.27	17.8 W.	Jan. 25 Ei.Y.	55.37	11.0 W.	1905			Mar. 5 Bs.	-0.04	+0.9
1905			Feb. 9 Ei.Y.	55.30	11.0 W.	Mar. 23 Ei.Y.	55.33	10.5 E.	10 Hl.	-0.06	+0.8 W.
Mar. 16 Ei.Y.	49.20	17.0 E.	1906			Jan. 30 Ei.Y.	55.29	11.0 W.	1907		
1906			Mean.....	55.322	10.87	Mean.....	55.322	10.87	Oct. 24 P.	-0.03	+0.6 E.
Feb. 23 Ei.Y.	49.26	17.3 W.	Mag. corr.....	+0.010		B. D. +20° 1976			30 M.	-0.02	-0.1
Mean.....	49.235	17.47				$\alpha = 7^h 54^m$			5 P.	-0.04	+0.7
Mag. corr.....	+0.021					$\delta = +20^\circ 5'$			7 Hl.	-0.06	+0.8
B. D. +21° 1730						1904	s	"	8 P.	+0.01	+0.4
$\alpha = 7^h 53^m$						Feb. 20 Ei.R.	58.51	26.0 W.	10 M.	-0.04	...
$\delta = +21^\circ 25'$						22 Ei.M.	58.48	25.9 W.	13 M.	-0.02	+0.5
1904	s	"				1905			14 Hl.	-0.07	+0.2
Mar. 9 Ei.Y.	1.62	25.9 W.	Feb. 20 Ei.R.	58.51	26.0 W.	Mar. 10 Ei.Y.	58.50	26.1 E.	5 Hl.	+0.07	...
15 Ei.Y.	1.53	25.4 W.	22 Ei.M.	58.48	25.9 W.	Feb. 7 Ei.Y.	58.49	25.9 W.	18 M.	-0.07	+0.6
1905			1906			Mean.....	58.495	25.97	19 Hl.	-0.08	+0.2
Feb. 17 Ei.Y.	1.56	24.3 E.	Feb. 7 Ei.Y.	58.49	25.9 W.	Mag. corr.....	+0.020		1908		
Dec. 26 Ei.Y.	1.53	24.8 W.	Mean.....	58.495	25.97				Jan. 16 P.	-0.09	+0.4
Mean.....	1.560	25.10	Mag. corr.....	+0.020					17 M.P.	-0.05	+0.7
Mag. corr.....	-0.005								18 P.M.	+0.05	+1.0
53 Camelopardalis									24 P.	-0.07	+0.7
$\alpha = 7^h 53^m 10^s.135$									25 M.	-0.06	+0.8
$\delta = +60^\circ 35' 52''.44$									Feb. 7 P.	-0.04	+0.6
1903	s	"							17 M.	-0.10	...
Oct. 14 L.	[-0.01]	[-0.2] W.							20 M.	-0.02	+0.6
18 L.	-0.18	+0.6							21 Hl.	-0.06	+0.3
25 L.	-0.01	-0.4							24 M.	0.00	+0.7
Nov. 8 L.	-0.14	+1.1							28 Hl.	-0.10	0.0
1904									Mar. 3 Hl.	-0.06	+0.7
Feb. 11 Br.	-0.08	-0.9 W.							10 Hl.	-0.06	+0.9 E.
1907									Nov. 13 L.	0.00	+0.2 W.
Oct. 24 P.	-0.14	+0.6 E.							1909		
30 M.	-0.05	+0.3							Mar. 16 P.	+0.02	...
Nov. 8 P.	-0.07	-0.3							28 P.	0.00	+0.7 W.
13 M.	-0.12	+0.1							Nov. 1 P.	.....	+0.5 E.
14 Hl.	-0.10	-0.2 E.							30 L.	+0.01	+0.7
Mean.....	-0.099	+0.10							Dec. 26 M.	+0.03	+0.2
Mag. corr.....	-0.004								28 L.	+0.04	+0.6
ω^1 Cancri									1910		
$\alpha = 7^h 54^m 52^s.886$									Oct. 25 L.	-0.08	+0.9
$\delta = +25^\circ 39' 59''.91$									1911		
1904	s	"							Jan. 10 P.	-0.11	+0.9
Mar. 16 Ei.Y.	+0.02	+0.9 W.							Mar. 10 P.	+0.02	+1.3 E.
23 Ei.Y.	+0.04	+0.4 W.							Mean.....	-0.027	+0.56
Nov. 24 Br.	.....	+0.2 E.							Mag. corr.....	+0.001	
1905									B. D. +22° 1845		
Mar. 25 Ei.M.	+0.02	+0.6 E.							$\alpha = 7^h 57^m$		
									$\delta = +22^\circ 21'$		
									1904	s	"
									Feb. 20 Ei.R.	56.31	5.2 W.
									22 Ei.M.	56.37	5.0 W.
									1905		
									Mar. 10 Ei.Y.	56.25	4.6 E.

1906			1904			B. D. +19° 1911			1906		
Feb. 7	Ei.Y.	56.33	Oct. 3	M.	+0.03	$\alpha = 7^h 58^m$			Feb. 19	Bs.	-0.08
		5.1 W.	7	Br.	-0.46	$\delta = +19^\circ 7'$			26	Bs.	-0.02
Mean.....		56.315	16	Br.	-1.99				28	Bs.	-0.10
Mag. corr.....		+0.014	19	M.	+0.79				20	Br.	-0.14
					-0.1				21	Bs.	-0.05
4 B. Ursæ Minoris			1905			1904			23	Br.	-0.11
$\alpha = 7^h 58^m$		2° 297	May 23	M.	[+0.60] [0.0]	Feb. 23	Ei.R.	58.52			+0.2 W.
$\delta = +88^\circ 55' 59''$		49	June 21	Hl.	.....	24	Ei.M.	58.55			
			Aug. 30	Hl.	+1.04						
			Sept. 5	Bs.	.....	1905			1907		
			14	Bs.	+2.12	Mar. 13	Ei.Y.	58.54	Oct. 29	P.	-0.05
			1906			Jan. 6	Ei.Y.	58.50	Nov. 4	Hl.	-0.17
			Sept. 5	P.	+0.44	Mean.....	58.528	30.22	Dec. 20	P.	-0.13
			Oct. 11	Br.	+3.16	Mag. corr.....	+0.022		Mean.....	-0.101	+0.05
			1907			B. D. +13° 1831			Mag. corr.....	+0.002	
			June 17	P.	+1.77	$\alpha = 7^h 59^m$			B. D. +20° 2003		
			19	P.	+1.44	$\delta = +13^\circ 24'$			$\alpha = 8^h 1^m$		
			July 29	M.	+2.13				$\delta = +20^\circ 6'$		
			1908			1904			1904		
			June 23	M.	+0.32	Mar. 1	Ei.M.	30.31	Feb. 20	Ei.R.	37.88
			28	M.	-0.36	4	Ei.Y.	30.29	22	Ei.M.	37.87
			July 1	Fk.	-0.08	1905			1905		
			5	M.	+0.19	Mar. 29	Ei.M.	30.33	Mar. 10	Ei.Y.	37.82
			8	M.	+0.62	Jan. 30	Ei.Y.	30.29	1906	Feb. 7	Ei.Y.
			Aug. 19	Fk.	+2.18	Mean.....	30.305	12.00	Mean.....	37.858	24.8 W.
			Oct. 17	P.	-0.65	Mag. corr.....	0.000		Mag. corr.....	+0.002	
			20	P.	+0.50	B. D. +18° 1839			B. D. +24° 1863		
			26	M.	+0.26	$\alpha = 7^h 59^m$			$\alpha = 8^h 1^m$		
			27	P.	-0.42	$\delta = +17^\circ 54'$			$\delta = +24^\circ 18'$		
			30	P.	+0.47	1904			1904		
			31	L.	-0.23	Mar. 9	Ei.Y.	37.81	Feb. 25	Ei.R.	52.50
			Nov. 1	P.	[+2.41] [+0.2]	15	Ei.Y.	37.77	Apr. 2	Ei.Y.	52.55
			2	M.	[+1.53] [-0.5]	1905			1905		
			3	P.	[+0.04] [-0.5]	Feb. 17	Ei.Y.	37.77	Feb. 18	Ei.M.	52.55
			5	M.	[+1.78] [-0.2]	Dec. 26	Ei.Y.	37.73	1906	Jan. 10	Ei.Y.
			7	L.	[-0.52] [-0.4]	Mean.....	37.770	20.62	Mean.....	52.525	27.32
			12	M.	[+2.27] [-0.5] W.	Mag. corr.....	+0.003		Mag. corr.....	-0.006	
			1909			B. D. +23° 1887			μ Cancri		
			Oct. 12	P.	+0.59	$\alpha = 8^h 0^m$			$\alpha = 8^h 1^m$		
			13	L.	+1.04	$\delta = +22^\circ 55'$			$\delta = +21^\circ 52'$		
			19	P.	+0.58	1904			1904		
			20	M.	+0.58	Mar. 16	Ei.Y.	22.92	Feb. 11	Br.	52.85
			22	M.	-1.53	23	Ei.Y.	22.97	23	Ei.R.	52.85
			25	M.	+1.54	1905			24	Ei.M.	52.90
			26	P.	+0.10	Mar. 25	Ei.M.	22.94	1905		
			28	M.	+0.61	Feb. 13	Ei.Y.	22.94	Mar. 13	Ei.Y.	52.85
			30	L.	+0.49	Mean.....	22.942	16.77	Nov. 2	Br.	52.85
			Nov. 2	P.	[-0.5] [-0.5]	Mag. corr.....	+0.021		Dec. 6	Hl.	52.81
			10	L.	[+1.12] [-0.1]	B. D. +22° 1854			11	Br.	52.87
			11	M.	[-1.1] [-1.1]	$\alpha = 8^h 0^m$			1906		
			12	L.	[+2.36] [-0.3]	$\delta = +22^\circ 44'$			Jan. 6	Ei.Y.	52.86
			13	M.	[+0.61] [-1.2]	1904			1907	Oct. 30	M.
			1910			Jan. 25	Ei.Y.	40.20	Nov. 5	P.	52.81
			Nov. 7	M.	[-0.42] [-0.8]	Mar. 22	Ei.Y.	40.25	Nov. 8	P.	52.91
			8	M.	[+1.33] [-0.3]	1905			1908		
			9	L.	[-1.42] [-0.6] E.	Mar. 27	Ei.Y.	40.24	Jan. 16	P.	52.83
			Mean.....		+0.351	1906	Feb. 23	Ei.Y.	52.85	24	P.
			Mag. corr.....		+0.008	Mean.....	40.238	38.47	Nov. 15	M.	52.84
					[+0.899] [-0.45]	Mag. corr.....	+0.009		Mean.....	52.854	19.5 W.
			B. D. +21° 1753			27 Lyncis			Mag. corr.....	-0.002	
			$\alpha = 7^h 58^m$			$\alpha = 8^h 56^m$			B. D. +25° 1853		
			$\delta = +21^\circ 17'$			$\delta = +51^\circ 47' 42''$			$\alpha = 8^h 2^m$		
			1904			1904			$\delta = +25^\circ 0'$		
			Feb. 25	Ei.R.	36.30	Mar. 1	Ei.M.	5.94	1904		
			Mar. 1	Ei.M.	36.39	4	Ei.Y.	5.91	Mar. 1	Ei.M.	16.2 W.
			1905			1905			4	Ei.Y.	16.2 W.
			Feb. 18	Ei.M.	36.32	Mar. 31	Y.	-0.08	1905	Mar. 29	Ei.M.
			1906			Apr. 4	Br.	-0.18	Mean.....	5.94	15.8 E.
			Jan. 10	Ei.Y.	36.28	1906			1906		
			Mean.....		36.322	1905			1907		
			Mag. corr.....		+0.008	Mar. 31	Y.	-0.08	Oct. 29	P.	-0.05
			4 B. Ursæ Minoris s. P.			Apr. 4	Br.	-0.18	Nov. 4	Hl.	-0.17
			$\alpha = 7^h 58^m$		2° 330	1905			Dec. 20	P.	-0.13
			$\delta = +88^\circ 55' 59''$		48	Mean.....	40.238	38.47	Mean.....	-0.101	+0.05
			1903			Mag. corr.....	+0.009		Mag. corr.....	+0.002	
			Sept. 30	L.	+0.74	B. D. +25° 1853			B. D. +25° 1853		
			Oct. 6	Br.	-0.80	$\alpha = 8^h 2^m$			$\alpha = 8^h 2^m$		
			12	L.	-0.43	$\delta = +25^\circ 0'$			$\delta = +25^\circ 0'$		
			13	Br.	-0.01	1904			1904		
			1904			Mar. 1	Ei.M.	5.94	Feb. 20	Ei.R.	37.88
			June 15	R.	-0.85	4	Ei.Y.	5.91	22	Ei.M.	37.87
			Sept. 21	M.	-2.32	1905			1905		
			28	M.	-0.06	Mar. 29	Ei.M.	30.33	Mar. 10	Ei.Y.	37.82
					-0.1 E.	Jan. 30	Ei.Y.	30.29	1906	Feb. 7	Ei.Y.
						Mean.....	30.305	12.00	Mean.....	37.858	24.8 W.
						Mag. corr.....	0.000		Mag. corr.....	+0.002	

1906			1903			B. D. +26° 1728			1905		
Jan. 30	Ei. Y.	5.94 15.4 W.	Nov. 9	Br.	-0.05 -0.6 W.	$\alpha = 8^h 4^m$			Mar. 27	Ei. Y.	+0.03 0.0 E.
			11	L.	+0.04 0.0 W.	$\delta = +26^\circ 8'$			31	Y.	-0.02 +0.4
Mean.....		5.932 15.90	1907						Apr. 4	Br.	+0.03 0.0 E.
Mag. corr.....		-0.013	Nov. 13	M.	-0.04 +0.2 E.	1904			1906		
B. D. +25° 1854			15	P.	-0.10 +0.4	Feb. 23	Ei. R.	10.54 19.8 W.	Feb. 13	Ei. Y.	+0.08 -0.7 W.
$\alpha = 8^h 2^m$			25	P.	+0.01 -0.2	24	Ei. M.	10.55 20.1 W.	17	Hi.	+0.01 -0.2
$\delta = +25^\circ 50'$			1908			1905			20	Br.	-0.04 -0.7
1904			Feb. 24	M.	+0.07 +0.2	Mar. 13	Ei. Y.	10.52 19.9 E.	Mar. 4	Hi.	-0.01 0.0
Mar. 9	Ei. Y.	18.06 35.2 W.	28	Hi.	-0.06 +0.3 E.	1906			5	Bs.	+0.03 -0.8 W.
15	Ei. Y.	18.02 34.7 W.	Mean.....		-0.009 +0.09	Jan. 6	Ei. Y.	10.49 19.7 W.	1907		
1905			Mag. corr.....		-0.002	Mean.....		10.525 19.87	Nov. 5	P.	+0.01 +0.2 E.
Feb. 17	Ei. Y.	18.05 33.9 E.	[-0.020][+0.36]			Mag. corr.....		+0.015	8	P.	+0.03 -0.3
Dec. 26	Ei. Y.	17.95 34.3 W.	3 H. Ursae Majoris s. p.			ψ Cancri			1909		
Mean.....		18.020 34.52	$\alpha = 8^h 2^m 51^s.907$			$\delta = +25^\circ 48'$			Nov. 30	L.	-0.02 +0.6 E.
Mag. corr.....		-0.002	$\delta = +68^\circ 46' 6''.96$			1904			Mean.....		0.000 -0.05
B. D. +19° 1934			1903			Mar. 1	Ei. M.	25.85 38.5 W.	Mag. corr.....		0.000
$\alpha = 8^h 2^m$			Sept. 12	L.	-0.03 0.0 W.	4	Ei. Y.	25.92 38.8	173 B. Camelopardalis		
$\delta = +19^\circ 30'$			14	L.	+0.01 +0.5	18	Br.	25.83 38.0	$\alpha = 8^h 6^m 59^s.288$		
1904			15	R.	+0.01 +0.7	Apr. 5	Br.	25.88 38.5	$\delta = +76^\circ 3' 43''.91$		
Mar. 16	Ei. Y.	21.44 28.9 W.	22	L.	+0.10 +0.2	7	R.	25.90 38.5 W.	1904		
23	Ei. Y.	21.54 28.5 W.	24	L.	+0.11 +1.2	1905			Oct. 28	Y.	.... -0.1 E.
1905			25	R.	+0.03 +0.4	Mar. 16	Ei. Y.	25.86 37.8 E.	Nov. 1	M.	-0.12 +0.5
Mar. 25	Ei. M.	21.49 28.9 E.	26	L.	+0.23 -0.9	Nov. 26	Hi.	25.92 37.2 W.	11	Y.	+0.03 -0.7 E.
1906			28	L.	-0.11 -0.2 W.	1906			1905		
Feb. 23	Ei. Y.	21.50 28.7 W.	1907			Jan. 30	Ei. Y.	25.84 37.4	Nov. 2	Br.	+0.06 +0.5 W.
Mean.....		21.492 28.75	May 28	P.	-0.24 +0.1 E.	Feb. 4	Hi.	25.86 36.9 W.	Dec. 11	Br.	-0.04 0.0
Mag. corr.....		+0.001	29	M.	-0.04 +0.4	1908			1906		
B. D. +16° 1642			June 3	P.	-0.05 -0.2	Jan. 16	P.	25.86 36.5 E.	Feb. 19	Bs.	+0.04 -1.1
$\alpha = 8^h 2^m$			24	Hi.	+0.13 +0.2	17	M. P.	25.89 36.7	26	Bs.	+0.13 -0.5
$\delta = +16^\circ 42'$			Aug. 31	M.	-0.15 +1.0 E.	18	P. M.	25.87 36.8	28	Bs.	-0.07 -0.1 W.
1904			Mean.....		0.000 +0.26	25	M.	25.81 36.8	1907		
Jan. 25	Ei. Y.	26.23 20.1 W.	Mag. corr.....		-0.001	Mar. 3	Hi.	25.82 36.9 E.	Oct. 29	P.	+0.11 +0.6 E.
Mar. 22	Ei. Y.	26.17 19.2 W.	B. D. +14° 1831			Mean.....		25.865 37.52	Nov. 4	Hi.	-0.08 +0.9 E.
1905			$\alpha = 8^h 3^m$			Mag. corr.....		-0.004	Mean.....		+0.007 0.00
Mar. 27	Ei. Y.	26.23 19.8 E.	$\delta = +13^\circ 55'$			B. D. +15° 1775			Mag. corr.....		-0.006
1906			1904			$\alpha = 8^h 5^m$			173 B. Camelopardalis s. p.		
Feb. 13	Ei. Y.	26.22 20.1 W.	Feb. 25	Ei. R.	7.12 56.5 W.	$\delta = +14^\circ 55'$			$\alpha = 8^h 6^m 59^s.289$		
Mean.....		26.212 19.80	Apr. 2	Ei. Y.	7.16 56.3 W.	1904			$\delta = +76^\circ 3' 43''.91$		
Mag. corr.....		-0.005	1905			Mar. 9	Ei. Y.	21.90 32.7 W.	1904		
B. D. +27° 1544			Feb. 18	Ei. M.	7.17 55.8 E.	15	Ei. Y.	21.85 32.1 W.	June 3	Br.	+0.19 +0.2 W.
$\alpha = 8^h 2^m$			1906			Feb. 17	Ei. Y.	21.86 31.0 E.	26	R.	-0.02 -0.5
$\delta = +27^\circ 46'$			Jan. 10	Ei. Y.	7.11 56.0 W.	Dec. 26	Ei. Y.	21.83 31.3 W.	July 17	M.	-0.08 -0.2
1904			Mean.....		7.140 56.15	Mean.....		21.860 31.77	1905		
Feb. 20	Ei. R.	42.66 17.9 W.	Mag. corr.....		+0.020	Mag. corr.....		+0.022	Aug. 22	Br.	-0.07 +0.3
22	Ei. M.	42.65 17.6 W.	ρ Argus			B. D. +16° 1657			Sept. 21	Bs.	+0.22 +0.3 W.
1905			$\alpha = 8^h 3^m 17^s.060$			$\alpha = 8^h 5^m$			1907		
Mar. 10	Ei. Y.	42.64 17.9 E.	$\delta = -24^\circ 0' 56''.61$			$\delta = +16^\circ 30'$			May 29	M.	+0.12 -0.1 E.
1906			1905			1904			June 3	P.	-0.10 +0.5
Feb. 7	Ei. Y.	42.72 17.9 W.	Nov. 3	Bs.	-0.03 +0.3 W.	Mar. 16	Ei. Y.	56.20 51.9 W.	Aug. 30	Hi.	-0.20 +0.2
Mean.....		42.668 17.82	1906			23	Ei. Y.	56.24 51.6 W.	Sept. 15	Hi. P.	+0.02 +0.2
Mag. corr.....		+0.014	Mar. 21	Bs.	+0.06 +0.5	1905			27	Hi.	0.00 -0.3 E.
3 H. Ursae Majoris			Apr. 6	Br.	+0.03 +0.4 W.	Mar. 25	Ei. M.	56.24 51.5 E.	Mean.....		+0.008 +0.06
$\alpha = 8^h 2^m 51^s.907$			1907			Feb. 23	Ei. Y.	56.30 51.0 W.	Mag. corr.....		-0.003
$\delta = +68^\circ 46' 6''.97$			Dec. 18	M.	+0.03 +0.2 E.	Mean.....		56.245 51.50	B. D. +23° 1913		
1903			19	Hi.	+0.06 -0.2	Mag. corr.....		+0.007	$\alpha = 8^h 7^m$		
Oct. 12	Br.	[-0.02] [+0.8] W.	1908			ζ Cancri			$\delta = +23^\circ 26'$		
14	L.	[+0.08] [-0.4]	Jan. 17	M. P.	+0.05 0.0	$\alpha = 8^h 6^m 28^s.703$			1904		
18	L.	[-0.03] [+0.8]	18	P. M.	+0.21 +0.8	$\delta = +17^\circ 56' 57''.44$			Feb. 20	Ei. R.	46.24 19.9 W.
19	Br.	[-0.11] [0.0]	Feb. 21	Hi.	+0.06 -0.1 E.	1903			22	Ei. M.	46.24 19.5 W.
20	R.	[-0.02] [+0.6]	Nov. 18	M.	+0.09 -0.1 W.	Nov. 3	R.	-0.10 +0.1 W.	1905		
21	L.	+0.05 +0.3	20	L.	+0.07 +0.6 W.	1904			Mar. 10	Ei. Y.	46.19 19.8 E.
25	L.	+0.13 (+2.6)	Mean.....		+0.068 +0.24	Jan. 25	Ei. Y.	-0.01 -0.2	1906		
27	R.	-0.17 -0.1	Mag. corr.....		+0.002	Feb. 20	Ei. R.	+0.06 +0.5 W.	Feb. 7	Ei. Y.	46.21 20.1 W.
28	L.	+0.06 +0.7				1905			Mean.....		46.220 19.82
Nov. 2	Br.	-0.05 -0.2 W.				Mar. 15	M.	-0.08 +0.3 E.	Mag. corr.....		+0.019

B. D. +22° 1886			1905			1906			1905		
$\alpha = 8^h 7^m$			Feb. 17 Ei.Y. 47.51 4.1 E.			Apr. 6 Br. +0.04 +0.8 W.			Mar. 31 Y. 59.51 28.4 E.		
$\delta = +22^\circ 34'$			Dec. 26 Ei.Y. 47.47 4.7 W.			1907			Nov. 16 Br. 59.51 27.4 W.		
1904			Mean..... 47.508 4.77			Nov. 8 P. +0.05 +0.6 E.			1906		
Feb. 25 Ei.R. 56.95 51.3 W.			Mag. corr..... +0.017			25 P. +0.06 +0.3			Feb. 7 Ei.Y. 59.46 28.3		
Mar. 4 Ei.Y. 57.03 52.1 W.			B. D. +19° 1963			Dec. 5 Hl. +0.04			Mar. 20 Br. 59.45 27.5		
1905			$\alpha = 8^h 10^m$			18 M. +0.02 +0.4			22 Bs. 59.49 27.6		
Feb. 18 Ei.M. 56.99 51.2 E.			$\delta = +18^\circ 59'$			1908			Apr. 6 Br. 59.46 27.6 W.		
1906			1904			Jan. 17 M.P. +0.06 +0.6			Mean..... 59.469 28.12		
Jan. 10 Ei.Y. 56.95 51.4 W.			Mar. 16 Ei.Y. 13.11 60.3 W.			18 P.M. +0.08 +0.7			Mag. corr..... -0.001		
Mean..... 56.980 51.50			23 Ei.Y. 13.12 59.7 W.			24 P. -0.01 +0.5			B. D. +19° 1979		
Mag. corr..... -0.008			1905			25 M. +0.06 +0.3			$\alpha = 8^h 14^m$		
B. D. +21° 1792			Mar. 25 Ei.M. 13.13 59.7 E.			Feb. 21 Hl. -0.03 +0.2			$\delta = +19^\circ 46'$		
$\alpha = 8^h 8^m$			1906			Mar. 3 Hl. -0.05 +0.7 E.			1904		
$\delta = +21^\circ 0'$			Feb. 13 Ei.Y. 13.11 59.8 W.			Nov. 18 M. +0.04 +0.7 W.			Feb. 25 Ei.R. 14.78 1.0 W.		
1904			Mean..... 13.118 59.87			20 L. +0.04 +0.8			Mar. 16 Ei.Y. 14.79 1.2 W.		
Feb. 24 Ei.M. 37.00 36.8 W.			Mag. corr..... +0.007			1909			1905		
Mar. 16 Ei.Y. 36.93 37.3 W.			β Cancri			Mar. 2 P. +0.04			Feb. 18 Ei.M. 14.78 0.9 E.		
1905			$\alpha = 8^h 11^m 5^s.539$			28 P. +0.03 +1.1 W.			1906		
Mar. 13 Ei.Y. 36.94 37.8 E.			$\delta = +9^\circ 29' 37''.55$			Dec. 28 L. +0.04 +0.1 E.			Jan. 10 Ei.Y. 14.79 0.7 W.		
1906			1903			Sept. 27 L. [+0.05] [+0.3]			Mean..... 14.785 0.95		
Jan. 6 Ei.Y. 36.95 37.5 W.			Oct. 13 R. [+0.01] [+0.3] W.			Oct. 25 L. +0.07 +0.5			Mag. corr..... -0.012		
Mean..... 36.955 37.35			19 Br. [-0.06] [+0.6]			1911			B. D. +21° 1817		
Mag. corr..... +0.014			27 R. 0.00 -0.2			Mar. 29 L. +0.02 +0.8 E.			$\alpha = 8^h 14^m$		
20 Puppis			1904			Mean..... +0.043 +0.56			$\delta = +21^\circ 3'$		
$\alpha = 8^h 8^m 44^s.181$			Feb. 11 Br. +0.04 +1.2			Mag. corr..... -0.005			1904		
$\delta = -15^\circ 29' 12''.59$			20 Ei.R. +0.07 +1.0			58 Camelopardalis			Feb. 23 Ei.R. 31.11 47.1 W.		
1903			22 Ei.M. +0.05 +0.8			$\alpha = 8^h 12^m$			24 Ei.M. 31.14 47.6 W.		
Oct. 14 L. [+0.09] [0.0] W.			Mar. 18 Br. +0.02 +0.9			$\delta = +58^\circ 3'$			1905		
18 L. [-0.03] [+1.2]			22 Ei.Y. +0.07 0.0			1903			Mar. 13 Ei.Y. 31.13 48.2 E.		
20 R. [+0.02] [+0.2]			25 Ei.Y. -0.02 -0.5			Oct. 21 L. [21.59] [18.2] W.			1906		
21 L. [+0.07] [+0.6]			29 Ei.Y. +0.01 +0.8			1907			Jan. 6 Ei.Y. 31.02 48.1 W.		
25 L. -0.02 +0.4			Apr. 2 Ei.Y. +0.04 +1.0			Nov. 13 M. 21.70 17.8 E.			Mean..... 31.100 47.75		
26 Br. +0.13 +1.5			3 Ei.Y. +0.04 +0.6			Dec. 19 Hl. 21.68 18.1			Mag. corr..... -0.009		
28 L. +0.04 +0.7			4 Ei.Y. 0.00 +0.9			20 P. 21.73 18.6			B. D. +24° 1909		
Nov. 2 Br. 0.00 +0.6			5 Br. +0.03 +0.5			21 Hl. 21.76 18.0 E.			$\alpha = 8^h 14^m$		
6 R. -0.02 +0.5			7 R. +0.04 +0.6 W.			Nov. 11 M. 21.69 18.4 W.			$\delta = +24^\circ 20'$		
8 L. +0.13 +1.6			Oct. 24 Br. +0.06 +0.4 E.			12 P. 21.75 18.1			1904		
9 Br. +0.05 -0.1			Nov. 16 Y. +0.03 +0.1			13 L. 21.74 18.3			Mar. 4 Ei.Y. 35.48 15.2 W.		
11 L. +0.14 +1.0 W.			24 Br. +0.05 +0.7			14 P. 21.85 18.4 W.			22 Ei.Y. 35.42 14.8 W.		
1907			1905			Mean..... 21.736 18.22			1905		
Nov. 13 M. +0.04 +0.1 E.			Feb. 17 Ei.Y. +0.06 +0.6			Mag. corr..... -0.002			Mar. 16 Ei.Y. 35.49 13.9 E.		
15 P. +0.10 +0.3			18 Ei.M. +0.06 +1.0			B. D. +16° 1679			1906		
Dec. 19 Hl. +0.04 +0.2			Mar. 10 Ei.Y. +0.04 +0.4			$\alpha = 8^h 12^m$			Jan. 18 Ei.Y. 35.43 14.2 W.		
21 Hl. 0.00 -0.5			15 M. +0.05 +0.5			$\delta = +15^\circ 59'$			Mean..... 35.455 14.52		
24 P. +0.10 +0.2 E.			16 Ei.Y. +0.10 -0.1			1904			Mag. corr..... -0.009		
Mean..... +0.056 +0.50			25 Ei.M. +0.03 +0.8			Jan. 25 Ei.Y. 35.76 18.2 W.			B. D. +25° 1903		
Mag. corr..... 0.000			27 Ei.Y. +0.08 +1.0			Feb. 20 Ei.R. 35.76 18.7 W.			$\alpha = 8^h 14^m$		
B. D. +25° 1880			29 Ei.M. +0.05 +0.1			1905			$\delta = +25^\circ 39'$		
$\alpha = 8^h 8^m$			31 Y. +0.04 +0.9			Mar. 27 Ei.Y. 35.74 18.7 E.			1904		
$\delta = +25^\circ 2'$			Apr. 4 Br. +0.07 +0.6 E.			1906			Mar. 9 Ei.Y. 41.30 6.0 W.		
1904			Oct. 21 Hl. [+0.06] [+0.4] W.			Feb. 23 Ei.Y. 35.76 18.1 W.			15 Ei.Y. 41.14 5.5 W.		
Mar. 4 Ei.Y. 44.28 16.6 W.			Nov. 2 Br. +0.02 +0.2			Mean..... 35.755 18.42			1905		
22 Ei.Y. 44.25 16.2 W.			3 Bs. +0.07 +0.2			Mag. corr..... +0.016			Feb. 17 Ei.Y. 41.18 4.8 E.		
1905			21 Bs. +0.06 +0.6			x Cancri			Dec. 26 Ei.Y. 41.14 5.5 W.		
Mar. 16 Ei.Y. 44.22 16.6 E.			23 Br. +0.08 +1.0			$\alpha = 8^h 13^m$			Mean..... 41.190 5.45		
1906			26 Hl. +0.06 +0.3			$\delta = +27^\circ 32'$			Mag. corr..... +0.007		
Jan. 30 Ei.Y. 44.26 16.4 W.			Dec. 6 Hl. +0.04 +1.8			1903			B. D. +22° 1915		
Mean..... 44.252 16.45			11 Br. +0.04 +1.0			Nov. 3 R. 59.48 29.4 W.			$\alpha = 8^h 15^m$		
Mag. corr..... -0.010			1906			1904			$\delta = +22^\circ 13'$		
B. D. +13° 1868			Jan. 10 Ei.Y. +0.04 +0.4			Apr. 2 Ei.Y. 59.46 28.7			1904		
$\alpha = 8^h 8^m$			Feb. 7 Ei.Y. +0.06 +0.8			3 Ei.Y. 59.42 28.5 W.			Mar. 16 Ei.Y. 36.25 37.2 W.		
$\delta = +13^\circ 21'$			17 Hl. +0.02 +0.6			Oct. 27 Br. 59.42 28.2 E.			23 Ei.Y. 36.26 37.1 W.		
1904			20 Br. +0.08 -0.1			30 M. 59.51 28.4			1905		
Mar. 9 Ei.Y. 47.59 5.2 W.			22 Hl. +0.05 +0.4			Nov. 1 M. 59.47 27.8			Mar. 25 Ei.M. 36.25 36.6 E.		
15 Ei.Y. 47.46 5.1 W.			23 Ei.Y. +0.12 +0.6			11 Y. 59.47 27.9					
			27 Br. +0.08 +1.1			1905					
			Mar. 4 Hl. +0.05 +0.2			Mar. 10 Ei.Y. 59.45 28.0 E.					
			20 Br. +0.02 +0.9								
			22 Bs. +0.03 +0.6 W.								

1906			B. D. +15° 1805			B. D. +17° 1836			1906										
Feb. 13	Ei.Y.	36.26	36.5	W.	$\alpha = 8^h 16^m$ $\delta = +15^\circ 5'$	Jan. 25	Ei.Y.	4.04	30.2	W.	Mar. 4	Hi.	0.00	0.0	W.				
Mean.....		36.255	36.85			Feb. 20	Ei.R.	4.05	30.8	W.	20	Br.	-0.03	+0.6					
Mag. corr.....		+0.007				1904					22	Bs.	+0.01	+1.1					
B. D. +23° 1939			1904			1905			1907										
$\alpha = 8^h 15^m$ $\delta = +23^\circ 16'$			Feb. 23	Ei.R.	20.78	10.2	W.	Jan. 25	Ei.Y.	4.04	30.2	W.	Oct. 29	P.	-0.01	+1.0	E.		
1904			24	Ei.M.	20.82	10.3	W.	Feb. 20	Ei.R.	4.05	30.8	W.	Nov. 4	Hi.	0.00	+1.0			
Jan. 25	Ei.Y.	56.96	12.5	W.		Mar. 13	Ei.Y.	20.77	11.0	E.	8	P.	-0.01	+1.0					
Feb. 20	Ei.R.	56.91	12.7	W.		1906					13	M.	0.00	+0.6					
1905			Jan. 6	Ei.Y.	20.79	11.0	W.	Mar. 27	Ei.Y.	3.98	30.5	E.	15	P.	-0.03	+0.8			
Mar. 27	Ei.Y.	56.96	13.3	E.		Mean.....	20.790	10.62	Mean.....	4.032	30.37	26	Hi.	+0.04	-0.2				
1906			Mean.....			Mag. corr.....	+0.006		Mag. corr.....	+0.012		5	Hi.	-0.03	...				
Feb. 23	Ei.Y.	56.98	12.6	W.		B. D. +16° 1704			B. D. +17° 1842			18	M.	-0.08	...				
Mean.....		56.952	12.77			$\alpha = 8^h 16^m$ $\delta = +16^\circ 28'$			$\alpha = 8^h 20^m$ $\delta = +17^\circ 22'$			19	Hi.	0.00	+0.3				
Mag. corr.....		-0.003				1904			1904			20	P.	0.00	+0.1				
31 Lyncis			Mar. 4	Ei.Y.	52.69	55.2	W.	Mar. 25	Ei.Y.	10.21	31.9	W.	Jan. 16	P.	+0.04	+0.6			
$\alpha = 8^h 15^m 59^s.574$ $\delta = +43^\circ 30' 32''.13$			22	Ei.Y.	52.66	54.8	W.	Apr. 2	Ei.Y.	10.22	33.3	W.	24	P.	-0.01	+0.8			
1903			1905			Mar. 16	Ei.Y.	52.64	54.3	E.	1905		25	M.	+0.04	+0.3			
Oct. 13	R.	[-0.12]	Mar. 10	Ei.Y.	52.64	54.3	E.	Mar. 10	Ei.Y.	10.18	32.4	E.	Feb. 7	P.	0.00	+0.8			
14	L.	[-0.03]	Jan. 18	Ei.Y.	52.59	54.6	W.	Feb. 7	Ei.Y.	10.16	32.9	W.	17	M.	-0.02	...			
18	L.	[-0.07]	Mean.....			Mean.....	52.645	54.72	Mean.....	10.192	32.62	20	M.	-0.03	+0.5				
19	Br.	[-0.12]	Mag. corr.....			Mag. corr.....	+0.015		Mag. corr.....	+0.021		24	M.	0.00	+0.7				
20	R.	[-0.07]	B. D. +61° 1047			30 Monocerotis			1903			28	Hi.	-0.04	-0.1				
21	L.	[-0.14]	$\alpha = 8^h 16^m$ $\delta = +61^\circ 33'$			$\alpha = 8^h 20^m 39^s.845$ $\delta = -3^\circ 34' 48''.43$			Oct. 12	Br.	[+0.01]	[0.0]	W.	3	Hi.	-0.07	+0.6		
25	L.	[-0.10]	1907			1903			13	R.	[-0.01]	[+0.3]		10	Hi.	+0.01	-0.2		
26	Br.	-0.12	Oct. 30	M.	56.30	43.9	E.	Oct. 12	Br.	[+0.01]	[0.0]	W.	6	M.	-0.05	...			
27	R.	-0.13	Nov. 5	P.	56.19	44.2	E.	14	L.	[-0.04]	[+0.3]		9	M.	-0.02	...			
Nov. 2	Br.	-0.06	Mean.....			Mean.....	56.245	44.05	18	L.	[-0.02]	[+1.0]	Nov. 2	P.	-0.01	+0.2	W.		
6	R.	-0.14	Mag. corr.....			Mag. corr.....	-0.007		19	Br.	[-0.04]	[+1.0]	3	L.	+0.02	-0.4			
8	L.	-0.08	d ¹ Cancri			1904			20	R.	[-0.03]	[+0.6]	5	P.	0.00	+0.6			
9	Br.	-0.07	$\alpha = 8^h 17^m 38^s.319$ $\delta = +18^\circ 39' 11''.85$			Mar. 9	Ei.Y.	+0.02	+1.1	W.	21	L.	[-0.04]	[+0.4]	6	L.	+0.02	+0.8	
11	L.	-0.05	1904			15	Ei.Y.	+0.02	+1.1		25	L.	0.00	+0.4	11	M.	-0.03	+0.7	
12	Br.	-0.06	Mar. 9	Ei.Y.	+0.02	+1.1	W.	18	Br.	+0.01	+0.1		26	Br.	+0.02	+0.4			
B. D. +18° 1923			Apr. 5	Br.	-0.02	+1.2		19	Br.	-0.04	[+1.0]		28	L.	0.00	+0.9			
$\alpha = 8^h 16^m$ $\delta = +17^\circ 55'$			7	R.	+0.03	+0.2	W.	20	R.	[-0.03]	[+0.6]		Nov. 2	Br.	+0.02	+0.7			
1904			Oct. 29	Br.	+0.02	+0.2	E.	21	L.	[-0.04]	[+0.4]		3	R.	+0.02	+0.8			
Apr. 2	Ei.Y.	11.58	31	Br.	+0.06	+1.0		25	L.	0.00	+0.4		8	L.	-0.03	+1.7			
3	Ei.Y.	11.53	Nov. 14	Br.	+0.02	+0.4		26	Br.	+0.02	+0.4		9	Br.	-0.01	-0.3			
1905			16	Y.	0.00	+0.5		28	L.	0.00	+0.9		11	L.	+0.05	+1.1			
Mar. 10	Ei.Y.	11.48	24	Br.	....	+1.2		Nov. 2	Br.	+0.02	+0.7		12	Br.	+0.05	+0.4		
1906			1905					3	R.	+0.02	+0.8								
Feb. 7	Ei.Y.	11.52	Feb. 17	Ei.Y.	+0.04	+0.3	E.	8	L.	-0.03	+1.7								
Mean.....		11.528	Dec. 26	Ei.Y.	0.00	+0.7	W.	9	Br.	-0.01	-0.3								
Mag. corr.....		-0.002	1906					11	L.	+0.05	+1.1								
B. D. +14° 1879			Feb. 22	Hi.	-0.02	+0.4		12	Br.	+0.05	+0.4								
$\alpha = 8^h 16^m$ $\delta = +13^\circ 56'$			Mar. 4	Hi.	+0.07	+0.4	W.	1904											
1904			1909					Feb. 11	Br.	-0.02	+0.7								
Feb. 25	Ei.R.	19.31	Nov. 30	L.	+0.02	+1.6	E.	20	Ei.R.	0.00	+1.3								
Mar. 25	Ei.Y.	19.26	Mean.....					22	Ei.M.	+0.05	+0.6								
1905			Mag. corr.....					Apr. 9	M.	+0.03	+0.2	W.							
Feb. 18	Ei.M.	19.32	B. D. +20° 2079			B. D. +25° 1920 (south)			Oct. 28	Y.	+0.02	+0.5	E.						
1906			$\alpha = 8^h 19^m$ $\delta = +20^\circ 28'$			$\alpha = 8^h 20^m$ $\delta = +24^\circ 51'$			29	Br.	-0.02	+0.5							
Jan. 10	Ei.Y.	19.31	1904			1904			30	M.	+0.02	+1.0							
Mean.....		19.300	Mar. 16	Ei.Y.	1.58	35.7	W.	Mar. 31	Y.	+0.04	+0.5	E.							
Mag. corr.....		+0.010	23	Ei.Y.	1.58	35.1	W.	Oct. 21	Hi.	[+0.09]	[+0.3]	W.							
B. D. +27° 1612 (pr.)			1905					Nov. 2	Br.	-0.04	-0.3								
$\alpha = 8^h 20^m$ $\delta = +27^\circ 15'$			Mar. 25	Ei.M.	1.61	35.1	E.	10	Hi.	+0.02	-0.9								
1905			1906					14	Bs.	-0.02	0.0								
Mar. 13	Ei.Y.	44.20	Feb. 13	Ei.Y.	1.59	34.9	W.	16	Br.	0.00	0.0								
1906			Mean.....					21	Bs.	-0.04	+0.7								
Jan. 6	Ei.Y.	44.18	Mag. corr.....					23	Br.	-0.01	+0.3								
Mean.....		44.190	B. D. +20° 2079			B. D. +27° 1612 (pr.)			26	Hi.	0.00	+0.6							
Mag. corr.....		-0.014	$\alpha = 8^h 19^m$ $\delta = +20^\circ 28'$			$\alpha = 8^h 20^m$ $\delta = +27^\circ 15'$			Dec. 6	Hi.	+0.02	+1.7							
B. D. +20° 2079			1904			1904			1906										
$\alpha = 8^h 16^m$ $\delta = +13^\circ 56'$			Mar. 16	Ei.Y.	1.58	35.7	W.	Mar. 31	Y.	+0.04	+0.5	E.							
1904			23	Ei.Y.	1.58	35.1	W.	Oct. 21	Hi.	[+0.09]	[+0.3]	W.							
Feb. 25	Ei.R.	19.31	1905					Nov. 2	Br.	-0.04	-0.3								
Mar. 25	Ei.Y.	19.26	Mar. 25	Ei.M.	1.61	35.1	E.	10	Hi.	+0.02	-0.9								
1905			1906					14	Bs.	-0.02	0.0								
Feb. 18	Ei.M.	19.32	Feb. 13	Ei.Y.	1.59	34.9	W.	16	Br.	0.00	0.0								
1906			Mean.....					21	Bs.	-0.04	+0.7								
Jan. 10	Ei.Y.	19.31	Mag. corr.....					23	Br.	-0.01	+0.3								
Mean.....		19.300	B. D. +20° 2079			B. D. +27° 1612 (pr.)			26	Hi.	0.00	+0.6							
Mag. corr.....		+0.010	$\alpha = 8^h 19^m$ $\delta = +20^\circ 28'$			$\alpha = 8^h 20^m$ $\delta = +27^\circ 15'$			Dec. 6	Hi.	+0.02	+1.7							
B. D. +27° 1612 (pr.)			1904			1904			1906										
$\alpha = 8^h 20^m$ $\delta = +27^\circ 15'$			Mar. 16	Ei.Y.	1.58	35.7	W.	Mar. 31	Y.	+0.04	+0.5	E.							
1905			23	Ei.Y.	1.58	35.1	W.	Oct. 21	Hi.	[+0.09]	[+0.3]	W.							
Mar. 13	Ei.Y.	44.20	1905					Nov. 2	Br.	-0.04	-0.3								
1906			Mar. 25	Ei.M.	1.61	35.1	E.	10	Hi.	+0.02	-0.9								
Jan. 6	Ei.Y.	44.18	1906					14	Bs.	-0.02	0.0								
Mean.....		44.190	Feb. 13	Ei.Y.	1.59	34.9	W.	16	Br.	0.00	0.0								
Mag. corr.....		-0.014	Mean.....					21	Bs.	-0.04	+0.7								
B. D. +20° 2079			Mag. corr.....					23	Br.	-0.01	+0.3								
$\alpha = 8^h 16^m$ $\delta = +13^\circ 56'$			B. D. +20° 2079			B. D. +27° 1612 (pr.)			26	Hi.	0.00	+0.6							
1904			$\alpha = 8^h 19^m$ $\delta = +20^\circ 28'$			$\alpha = 8^h 20^m$ $\delta = +27^\circ 15'$			Dec. 6	Hi.	+0.02	+1.7							
Feb. 25	Ei.R.	19.31	1904			1904			1906										
Mar. 25	Ei.Y.	19.26	Mar. 16	Ei.Y.	1.58	35.7	W.	Mar. 31	Y.	+0.04	+0.5	E.							
1905			23	Ei.Y.	1.58	35.1	W.	Oct. 21	Hi.	[+0.09]	[+0.3]	W.							
Feb. 18	Ei.M.	19.32	1905					Nov. 2	Br.	-0.04	-0.3								
1906			Mar. 25	Ei.M.	1.61	35.1	E.	10	Hi.	+0.02	-0.9								
Jan. 10	Ei.Y.	19.31	1906					14	Bs.	-0.02	0.0								
Mean.....		19.300	Feb. 13	Ei.Y.	1.59	34.9	W.	16	Br.	0.00	0.0								
Mag. corr.....		+0.010	Mean.....					21	Bs.	-0.04	+0.7								
B. D. +27° 1612 (pr.)			Mag. corr.....					23	Br.	-0.01	+0.3								
$\alpha = 8^h 20^m$ $\delta = +27^\circ 15'$			B. D. +20° 2079			B. D. +27° 1612 (pr.)			26	Hi.	0.00	+0.6							
1905			$\alpha = 8^h 19^m$ $\delta = +20^\circ 28'$			$\alpha = 8^h 20^m$ $\delta = +27^\circ 15'$			Dec. 6	Hi.	+0.02	+1.7							
Mar. 13	Ei.Y.	44.20	1904			1904			1906										
1906																			

B. D. +27° 1612 (mean)			1906			1903			θ Cancr		
α = 8 ^h 20 ^m			Mar. 22 Bs. -0.14 -0.3 W.			Jan. 24 P. 2.56 32.2 E.			α = 8 ^h 25 ^m		
δ = +27° 15'			23 Br. -0.07 +0.2			Mean..... 2.549 31.91			δ = +18° 25'		
1904			Apr. 2 Bs. -0.04 -0.5 W.			Mag. corr..... -0.005			1903		
Feb. 24 Ei.M. 44.40 42.8 W.			1907			B. D. +22° 1941			1904		
Apr. 4 Ei.Y. 44.33 42.8 W.			Oct. 30 M. -0.04 -0.2 E.			α = 8 ^h 24 ^m			Oct. 14 L. [53.68] [57.3] W.		
Mean..... 44.365 42.80			Nov. 5 P. -0.08 +0.4			δ = +22° 21'			Mar. 16 Ei.Y. 53.72 57.8		
Mag. corr..... -0.006			14 Hl. -0.06 -0.1 E.			1904			23 Ei.Y. 53.67 57.5 W.		
B. D. +27° 1612 (fol.)			Mean..... -0.075 -0.01			Mar. 4 Ei.Y. 5.80 47.7 W.			Oct. 31 Br. 53.69 57.0 E.		
α = 8 ^h 20 ^m			Mag. corr..... -0.005			23 Ei.Y. 5.79 47.1 W.			Nov. 6 M. 53.70 57.1		
δ = +27° 15'			B. D. +16° 1729			1905			14 Br. 53.74 57.5		
1905			α = 8 ^h 22 ^m			Mar. 16 Ei.Y. 5.72 46.9 E.			16 Y. 53.68 57.7		
Mar. 13 Ei.Y. 44.42 45.3 E.			δ = +16° 21'			1906			1905		
1906			1904			Jan. 18 Ei.Y. 5.72 47.1 W.			Mar. 25 Ei.M. 53.73 57.6 E.		
Jan. 6 Ei.Y. 44.42 44.6 W.			Jan. 25 Ei.Y. 13.95 48.2 W.			Mean..... 5.758 47.20			Nov. 21 Bs. 53.69 57.4 W.		
Mean..... 44.420 44.95			Mar. 9 Ei.Y. 13.93 48.9 W.			Mag. corr..... -0.013			1906		
Mag. corr..... -0.014			1905			Groombridge 1418			Feb. 13 Ei.Y. 53.71 57.6 W.		
B. D. +13° 1912			Mar. 27 Ei.Y. 48.8 E.			α = 8 ^h 25 ^m			1907		
α = 8 ^h 21 ^m			29 Ei.M. 13.97 48.0 E.			δ = +85° 24'			Dec. 20 P. 53.71 57.1 E.		
δ = +12° 59'			1906			1904			1908		
1904			Feb. 23 Ei.Y. 13.93 48.3 W.			Oct. 30 M. 20.64 28.3 E.			Nov. 11 M. 53.65 57.2 W.		
Mar. 4 Ei.Y. 12.16 5.6 W.			Mean..... 13.945 48.44			Nov. 1 M. 20.32 28.9			12 P. 53.70 58.0		
22 Ei.Y. 12.12 5.0 W.			Mag. corr..... -0.007			11 Y. 20.70 28.8			13 L. 53.68 57.1 W.		
1905			B. D. +21° 1844			21 Br. 20.22 28.5 E.			Mean..... 53.698 57.43		
Mar. 16 Ei.Y. 12.13 4.4 E.			α = 8 ^h 22 ^m			1905			Mag. corr..... -0.005		
1906			δ = +21° 28'			Nov. 2 Br. 20.28 29.1 W.			B. D. +60° 1139		
Jan. 18 Ei.Y. 12.10 4.7 W.			1904			16 Br. 20.25 28.6			α = 8 ^h 26 ^m		
Mean..... 12.128 4.92			Apr. 2 Ei.Y. 17.78 54.4 W.			1906			δ = +60° 39'		
Mag. corr..... -0.008			3 Ei.Y. 17.80 54.1 W.			Apr. 6 Br. 19.86 28.8 W.			1907		
B. D. +19° 2012			1905			Dec. 24 P. 19.57 28.6 E.			Oct. 30 M. 15.66 26.6 E.		
α = 8 ^h 21 ^m			Mar. 10 Ei.Y. 17.78 53.7 E.			1908			Dec. 19 Hl. 15.53 26.8 E.		
δ = +19° 34'			1906			Jan. 16 P. 19.68 28.6 E.			Mean..... 15.595 26.70		
1904			Feb. 7 Ei.Y. 17.77 54.1 W.			Nov. 14 P. 20.49 28.1 W.			Mag. corr..... -0.004		
Mar. 9 Ei.Y. 19.65 56.6 W.			Mean..... 17.782 54.07			15 M. 19.74 27.8 W.			110 B. Lyncis		
15 Ei.Y. 19.65 57.2 W.			B. D. +24° 1931			Mean..... 20.159 28.55			α = 8 ^h 26 ^m 25 ^s .004		
1905			α = 8 ^h 22 ^m			Groombridge 1418 s. p.			δ = +38° 21' 33".11		
Feb. 17 Ei.Y. 19.64 56.6 E.			δ = +24° 28'			1907			1903		
Dec. 26 Ei.Y. 56.7 W.			1904			June 6 M. 20.22 28.8 E.			Oct. 18 L. [+0.12] [+1.1] W.		
1906			Feb. 25 Ei.R. 41.09 36.8 W.			July 5 M. 20.18 28.11			21 L. [0.00] [-0.1]		
Jan. 30 Ei.Y. 19.65 56.6			Mar. 16 Ei.Y. 41.13 37.1 W.			8 M. 20.05 28.2			25 L. [0.00] [+0.1]		
Feb. 23 Ei.Y. 19.68 57.0 W.			1905			Sept. 23 M. 19.98 28.7			26 Br. +0.07 +1.1		
Mean..... 19.654 56.78			Feb. 18 Ei.M. 41.11 37.0 E.			27 Hl. 19.87 28.8 E.			Nov. 2 Br. +0.03 +0.6		
Mag. corr..... -0.005			1906			1908			3 R. +0.03 +0.7		
B. D. +23° 1960			Jan. 10 Ei.Y. 41.08 36.8 W.			June 8 P. 19.84 27.9 W.			8 L. -0.03 +2.0		
α = 8 ^h 21 ^m			Mean..... 41.102 36.92			11 P. 20.11 28.4			9 Br. +0.04 -0.5		
δ = +23° 28'			29 Cancr			12 Fk. 20.94 27.4			11 L. +0.03 +0.5		
1904			α = 8 ^h 23 ^m			13 P. 19.88 28.8			12 Br. +0.06 +0.1 W.		
Mar. 16 Ei.Y. 31.93 51.0 W.			δ = +14° 32'			20 P. 20.35 28.9 W.			1907		
23 Ei.Y. 31.95 50.6 W.			1903			Mean..... 20.142 28.45			Nov. 4 Hl. +0.03 +0.5 E.		
1905			Oct. 27 R. 2.48 31.5 W.			B. D. +24° 1940			13 M. -0.01 -0.1		
Mar. 25 Ei.M. 31.89 51.1 E.			Nov. 6 R. 2.48 31.8			α = 8 ^h 25 ^m			15 P. +0.08 +0.5		
1906			1904			δ = +24° 25'			26 Hl. +0.05 +0.3		
Feb. 13 Ei.Y. 31.92 50.9 W.			Feb. 24 Ei.M. 2.60 32.1			1904			29 P. +0.10 +0.7 E.		
Mean..... 31.922 50.90			Mar. 15 Ei.Y. 2.52 32.0			Mar. 9 Ei.Y. 35.89 7.1 W.			Mean..... +0.040 +0.53		
Mag. corr..... +0.001			18 Br. 2.53 31.3			15 Ei.Y. 35.81 7.1 W.			Mag. corr..... -0.004		
θ Ursæ Majoris			Apr. 5 Br. 2.61 31.7			1905			η Cancr		
α = 8 ^h 21 ^m 57 ^s .534			7 R. 2.60 31.6 W			Feb. 17 Ei.Y. 35.81 6.3 E.			α = 8 ^h 26 ^m 55 ^s .612		
δ = +61° 3' 8".66			1905			Dec. 26 Ei.Y. 35.79 6.8 W.			δ = +20° 46' 51".06		
1905			Mar. 13 Ei.Y. 2.57 32.2 E.			Mean..... 35.825 6.82			1903		
Mar. 15 M. -0.08 +0.2 E.			1906			Mag. corr..... -0.007			Oct. 13 R. [-0.05] [+0.6] W.		
18 M. -0.06 +0.8 E.			Jan. 6 Ei.Y. 2.61 31.9 W			B. D. +24° 1940			28 L. -0.02 +0.7		
1906			1907			α = 8 ^h 25 ^m			1904		
Feb. 28 Bs. -0.08 -0.2 W.			Oct. 29 P. 2.61 33.0 E			δ = +24° 25'			Jan. 25 Ei.Y. 0.00 +0.4		
Mar. 6 Br. -0.08 -0.3			Nov. 25 P. 2.52 32.4			1904			Feb. 24 Ei.M. -0.05 +1.2		
21 Bs. -0.10 -0.1 W.			Dec. 18 M. 2.50 31.8			Mar. 9 Ei.Y. 35.89 7.1 W.			25 Ei.R. 0.00 +0.7		
			21 Hl. 2.50 31.3 E.			15 Ei.Y. 35.81 7.1 W.			Mar. 25 Ei.Y. -0.07 +0.1		
						Feb. 17 Ei.Y. 35.81 6.3 E.			29 Ei.Y. +0.01 +1.1		
						Dec. 26 Ei.Y. 35.79 6.8 W.			Apr. 5 Br. 0.00 +0.6		
						Mean..... 35.825 6.82			7 R. +0.02 +0.8		
						Mag. corr..... -0.007			9 M. -0.04 0.0 W.		

1905			B. D. +24° 1946			1907			1904		
Feb. 17	Ei.Y.	+0.08 +0.4 E.	$\alpha = 8^h 27^m$			June 27	P.	35.84 45.5 E.	Nov. 16	Y.	53.20 E.
24	Ei.Y.	+0.02 +0.6	$\delta = +24^\circ 25'$			Sept. 12	M.P.	35.76 43.6	1905		
Mar. 15	M.	-0.02 +0.6				15	Hi.P.	35.86 44.3	Nov. 2	Br.	53.15 43.8 W.
18	M.	-0.04 +1.0	1904			26	M.	35.68 45.1 E.	14	Bs.	53.04 43.9 W.
28	Br.	0.00 +0.7	Mar. 4	Ei.Y.	5.49 31.6 W.	1908			1907		
29	Ei.M.	+0.04 +0.6	22	Ei.Y.	5.56 30.5 W.	June 18	P.	35.89 45.2 W.	Nov. 5	P.	53.18 43.9 E.
31	Ei.Y.	+0.02 +0.7 E.	1905			Mean.....		35.795 44.94	Mean.....		53.162 43.61
Nov. 10	Hi.	+0.05 +0.8 W.	Feb. 18	Ei.M.	5.49 30.1 E.	Mag. corr.....		+0.009	Mag. corr.....		-0.009
1906			1906			B. D. +20° 2118			B. D. +19° 2053		
Jan. 18	Ei.Y.	-0.01 +0.4	Jan. 10	Ei.Y.	5.42 30.2 W.	$\alpha = 8^h 29^m$			$\alpha = 8^h 32^m$		
30	Ei.Y.	-0.01 +0.6	Mean.....		5.490 30.60	$\delta = +19^\circ 56'$			$\delta = +19^\circ 36'$		
Feb. 13	Ei.Y.	0.00 +1.1	Mag. corr.....		+0.019	1904			1904		
23	Ei.Y.	+0.01 +0.4	B. D. +15° 1845			Apr. 2	Ei.Y.	34.64 3.4 W.	Mar. 9	Ei.Y.	2.95 58.3 W.
28	Bs.	+0.02 +1.0	$\alpha = 8^h 28^m$			3	Ei.Y.	34.58 3.7 W.	15	Ei.Y.	2.95 58.0 W.
Mar. 6	Br.	+0.02 +0.5	$\delta = +15^\circ 0'$			1905			1905		
21	Bs.	-0.05 +0.7	1904			Feb. 17	Ei.Y.	34.58 2.6 E.	Feb. 18	Ei.M.	2.88 57.2 E.
23	Br.	-0.05 +0.9 W.	Mar. 9	Ei.Y.	11.28 54.3 W.	Dec. 26	Ei.Y.	34.56 2.8 W.	1906		
1907			15	Ei.Y.	11.23 54.1 W.	Mean.....		34.590 3.12	Jan. 10	Ei.Y.	2.85 57.6 W.
Nov. 8	P.	0.00 +0.6 E.	1905			Mag. corr.....		+0.016	Mean.....		2.908 57.77
14	Hi.	0.00 +0.5	Mar. 13	Ei.Y.	11.25 54.1 E.	B. D. +15° 1851			Mag. corr.....		+0.015
25	P.	+0.02 +0.8	1906			$\alpha = 8^h 30^m$			δ Hydræ		
Dec. 5	Hi.	+0.04	Jan. 6	Ei.Y.	11.19 54.0 W.	$\delta = +15^\circ 39'$			$\alpha = 8^h 32^m 21^s 749$		
18	M.	-0.06 +1.0	Mean.....		11.238 54.12	1904			$\delta = +6^\circ 3' 9'' 21$		
21	Hi.	+0.04 +0.9	Mag. corr.....		-0.003	Mar. 25	Ei.Y.	31.28 34.1 W.	1903		
1908			B. D. +13° 1940			29	Ei.Y.	31.33 35.3 W.	Oct. 14	L.	[+0.01] [-0.2] W.
Jan. 17	M.P.	+0.02 +0.4	$\alpha = 8^h 28^m$			1905			18	L.	[+0.01] [+1.1]
18	P.M.	-0.01 +0.3	$\delta = +13^\circ 35'$			Mar. 25	Ei.M.	31.31 35.0 E.	20	R.	[0.00] [0.0]
Feb. 7	P.	-0.07 +0.6	1904			1906			21	L.	[-0.04] [+0.1]
20	M.	-0.05	Mar. 16	Ei.Y.	12.72 58.7 W.	Feb. 13	Ei.Y.	31.31 34.8 W.	25	L.	[+0.03] [+0.3]
Mar. 7	P.	-0.02	23	Ei.Y.	12.74 58.7 W.	Mean.....		31.308 34.80	Nov. 3	R.	+0.02 +0.3 W.
13	Ei.M.	-0.03 +0.7	1905			Mag. corr.....		+0.020	1907		
21	P.	-0.03	Mar. 16	Ei.Y.	12.70 57.8 E.	B. D. +22° 1962			Nov. 8	P.	-0.01 +0.1 E.
27	Ei.M.	-0.03 +0.6	1906			$\alpha = 8^h 30^m$			13	M.	0.00 -0.8
Apr. 6	M.	-0.03 E.	Jan. 18	Ei.Y.	12.65 58.3 W.	$\delta = +22^\circ 31'$			14	Hi.	+0.02 -0.3
Nov. 2	P.	+0.06 +0.5 W.	Mean.....		12.702 58.37	1904			1908		
3	L.	+0.02 -0.4	Mag. corr.....		+0.019	Jan. 25	Ei.Y.	49.70 11.4 W.	Jan. 25	M.	-0.05 +0.3
5	P.	+0.03 +0.5	181 B. Camelopardalis			Feb. 24	Ei.M.	49.66 11.6 W.	Mar. 4	P.	+0.05 0.0 E.
6	L.	+0.02 +0.3	$\alpha = 8^h 28^m$			1905			Mean.....		+0.005 -0.07
16	P.	+0.01 +1.3	$\delta = +73^\circ 58'$			Mar. 29	Ei.M.	49.78 11.3 E.	Mag. corr.....		+0.004
1909			1905			1906			[+0.002][+0.26]		
Mar. 2	P.	+0.02	Nov. 3	Bs.	35.60 45.3 W.	Feb. 23	Ei.Y.	49.80 10.8 W.	B. D. +20° 2136		
29	M.	-0.03	1906			Mean.....		49.735 11.27	$\alpha = 8^h 32^m$		
30	P.	+0.05 +0.7	Feb. 22	Hi.	35.58 44.7	Mag. corr.....		+0.002	$\delta = +20^\circ 33'$		
Apr. 6	P.	+0.03	Mar. 10	Hi.	.... 43.9	B. D. +18° 1991			1904		
9	P.	-0.01 +1.0	20	Br.	35.65 44.9	$\alpha = 8^h 30^m$			Mar. 16	Ei.Y.	37.10 25.3 W.
10	L.	-0.01 +0.7 W.	22	Bs.	35.63 44.9	$\delta = +18^\circ 48'$			23	Ei.Y.	37.13 25.4 W.
Nov. 30	L.	-0.05 +0.9 E.	Apr. 2	Bs.	35.66 44.7 W.	1904			1905		
1910			1907			Mar. 4	Ei.Y.	57.66 57.6 W.	Mar. 13	Ei.Y.	37.06 26.2 E.
Jan. 25	P.	-0.03 +1.0	Nov. 24	M.	35.70 44.9 E.	23	Ei.Y.	57.65 56.7 W.	1906		
Mar. 21	M.	+0.05 +0.7	1908			Mean.....		57.658 56.97	Jan. 6	Ei.Y.	37.04 25.7 W.
Oct. 25	L.	[-0.02] [+1.2]	Jan. 24	P.	35.77 45.4	Mag. corr.....		-0.009	Mean.....		37.082 25.65
Nov. 20	M.	-0.05 +0.2	25	M.	35.71 44.7	27 B. Ursæ Majoris			Mag. corr.....		-0.001
1911			Feb. 24	M.	35.69 45.1	$\alpha = 8^h 31^m$			B. D. +17° 1896		
Jan. 15	M.	+0.01 +0.6	Mar. 3	Hi.	35.68 45.6 E.	$\delta = +53^\circ 3'$			$\alpha = 8^h 32^m$		
16	P.	-0.02 +0.2	Mean.....		35.672 44.92	1904			$\delta = +17^\circ 24'$		
Mar. 10	P.	0.00 +1.4	Mag. corr.....		+0.016	Mar. 18	Br.	53.16 W.	1904		
29	L.	-0.01 +1.4 E.	181 B. Camelopardalis s. r.			Apr. 5	Br.	53.22 43.3	2	Ei.Y.	49.40 35.3 W.
Mean.....		-0.003 +0.67	$\alpha = 8^h 28^m$			11	R.	53.20 44.1 W.	3	Ei.Y.	49.39 35.3 W.
Mag. corr.....		-0.003	$\delta = +73^\circ 58'$			Oct. 31	Br.	53.13 43.2 E.	1905		
B. D. +16° 1754			1905			Nov. 6	M.	53.20 43.2	Mar. 16	Ei.Y.	49.42 34.4 E.
$\alpha = 8^h 27^m$			Oct. 16	Br.	35.77 45.6 E.	14	Br.	53.14 43.5 E.	1906		
$\delta = +16^\circ 4'$			19	M.	35.78 44.9 E.	27 B. Ursæ Majoris			Jan. 18	Ei.Y.	49.40 35.1 W.
1904			Sept. 5	P.	35.75 44.4 W.	$\alpha = 8^h 31^m$			Mean.....		49.402 35.02
Apr. 2	Ei.Y.	0.70 42.8 W.	29	Hi.	.... 45.2	$\delta = +53^\circ 3'$			Mag. corr.....		+0.001
3	Ei.Y.	0.64 42.8 W.	Oct. 8	Hi.	35.58 44.9	1904			B. D. +17° 1896		
1905			11	Br.	36.04 45.6 W.	Mar. 18	Br.	53.16 W.	$\alpha = 8^h 32^m$		
Mar. 10	Ei.Y.	0.69 42.9 E.	181 B. Camelopardalis s. r.			Apr. 5	Br.	53.22 43.3	$\delta = +17^\circ 24'$		
1906			$\alpha = 8^h 28^m$			11	R.	53.20 44.1 W.	1904		
Feb. 7	Ei.Y.	0.64 42.7 W.	$\delta = +73^\circ 58'$			Oct. 31	Br.	53.13 43.2 E.	2	Ei.Y.	49.40 35.3 W.
Mean.....		0.668 42.80	1905			Nov. 6	M.	53.20 43.2	3	Ei.Y.	49.39 35.3 W.
Mag. corr.....		+0.002	Oct. 16	Br.	35.77 45.6 E.	14	Br.	53.14 43.5 E.	1905		
			19	M.	35.78 44.9 E.				Mar. 16	Ei.Y.	49.42 34.4 E.
			Sept. 5	P.	35.75 44.4 W.				1906		
			29	Hi.	.... 45.2				Jan. 18	Ei.Y.	49.40 35.1 W.
			Oct. 8	Hi.	35.58 44.9				Mean.....		49.402 35.02
			11	Br.	36.04 45.6 W.				Mag. corr.....		+0.001

B. D. +24° 1968 $\alpha = 8^h 32^m$ $\delta = +24^\circ 2'$			B. D. +20° 2158 $\alpha = 8^h 34^m$ $\delta = +20^\circ 21'$			19 G. Pyxidis $\alpha = 8^h 34^m$ $\delta = -22^\circ 19'$			1908 $\alpha = 8^h 35^m$ $\delta = +20^\circ 49'$		
1904	s	"	1904	s	"	1904	s	"	1904	s	"
Mar. 25 Ei.Y.	52.47	23.5 W.	Mar. 9 Ei.Y.	21.36	40.3 W.	Nov. 1 M.	45.18	16.1 E.	Mar. 4 P.	+0.14	+0.6 E.
29 Ei.Y.	52.62	24.5 W.	15 Ei.Y.	21.34	39.7 W.	11 Y.	45.20	16.3 E.	21 P.	+0.10	+0.2 E.
1905			1905			1905			2 P.	+0.10	-0.2 W.
Mar. 25 Ei.M.	52.58	24.0 E.	Feb. 24 Ei.Y.	21.33	39.7 E.	Nov. 3 Bs.	45.16	14.6 W.	3 L.	+0.19	-0.8
Dec. 26 Ei.Y.	52.52	23.8 W.	1906			23 Br.	45.25	15.5	5 P.	+0.15	+1.0
Mean.....	52.548	23.95	Jan. 30 Ei.Y.	21.32	39.3 W.	26 Hl.	45.23	15.4	15 M.	+0.07	-0.1 W.
Mag. corr.....	+0.014		Mean.....	21.338	39.75	1906			Mean.....	+0.108	+0.15
			Mag. corr.....	+0.017		Apr. 6 Br.	45.16	13.9 W.	Mag. corr.....	0.000	
B. D. +20° 2144 $\alpha = 8^h 33^m$ $\delta = +19^\circ 56'$			B. D. +20° 2159 $\alpha = 8^h 34^m$ $\delta = +20^\circ 19'$			B. D. +20° 2172 $\alpha = 8^h 34^m$ $\delta = +20^\circ 4'$			B. D. +20° 2185 $\alpha = 8^h 36^m$ $\delta = +20^\circ 13'$		
1904	s	"	1904	s	"	1904	s	"	1904	s	"
Mar. 4 Ei.Y.	24.83	37.7 W.	Mar. 16 Ei.Y.	26.43	28.3 W.	Mar. 4 Ei.Y.	58.82	25.1 W.	Mar. 9 Ei.Y.	5.44	51.0 W.
Apr. 4 Ei.Y.	24.78	37.6 W.	1905			1905			15 Ei.Y.	5.52	50.1 W.
1905			Mar. 13 Ei.Y.	26.47	28.6 E.	Mar. 10 Ei.Y.	58.81	25.3 E.	1905		
Mar. 10 Ei.Y.	24.78	37.6 E.	1906			1906			Mar. 13 Ei.Y.	5.51	50.6 E.
1906			Jan. 18 Ei.Y.	26.45	28.2 W.	Feb. 13 Ei.Y.	58.80	25.3 W.	1906		
Feb. 7 Ei.Y.	24.75	37.7 W.	29 Ei.Y.	26.46	27.6 W.	1908			Feb. 23 Ei.Y.	5.52	50.3 W.
Mean.....	24.785	37.65	Mean.....	26.452	28.17	Mar. 27 Ei.M.	58.86	24.8 E.	Mean.....	5.498	50.50
Mag. corr.....	-0.007		Mag. corr.....	+0.017		Mean.....	58.822	25.12	Mag. corr.....	+0.012	
σ Hydræ $\alpha = 8^h 33^m 31^s.882$ $\delta = +3^\circ 41' 33''.45$			B. D. +19° 2069 $\alpha = 8^h 34^m$ $\delta = +19^\circ 42'$			B. D. +14° 1946 $\alpha = 8^h 35^m$ $\delta = +14^\circ 43'$			β Pyxidis $\alpha = 8^h 36^m$ $\delta = -34^\circ 57'$		
1905	s	"	1904	s	"	1904	s	"	1904	s	"
Mar. 15 M.	0.00	+0.4 E.	Apr. 2 Ei.Y.	36.41	10.0 W.	Jan. 25 Ei.Y.	2.42	58.4 W.	Apr. 7 R.	11.28	12.0 W.
18 M.	+0.03	+0.2	3 Ei.Y.	36.43	9.5 W.	Mar. 29 Ei.Y.	2.45	59.4 W.	Nov. 6 M.	11.30	12.3 E.
28 Br.	+0.03	+0.8 E.	1905			1905			16 Y.	11.28	12.0 E.
1906			Mar. 16 Ei.Y.	36.44	9.2 E.	Mar. 31 Ei.Y.	2.44	58.8 E.	1905		
Feb. 17 Hl.	-0.03	+0.1 W.	1906			1906			Nov. 14 Bs.	11.26	12.2 W.
Mar. 4 Hl.	-0.02	+0.3	Jan. 6 Ei.Y.	36.40	9.8 W.	Feb. 7 Ei.Y.	2.45	59.3 W.	16 Br.	11.39	12.9
20 Br.	-0.06	+0.2	Mean.....	36.420	9.62	Mean.....	2.440	58.97	20 Br.	11.38	11.5
22 Bs.	-0.03	+0.3	Mag. corr.....	+0.014		Mag. corr.....	0.000		Dec. 6 Hl.	11.50	9.8 W.
Apr. 2 Bs.	-0.08	+0.4 W.							1907		
1907									Nov. 8 P.	11.31	11.6 E.
Nov. 15 P.	+0.06	+0.1 E.							14 Hl.	11.30	12.7
26 Hl.	+0.07	-0.3							Dec. 18 M.	11.29	11.7 E.
29 P.	+0.04	+0.1 E.							Mean.....	11.329	11.87
Mean.....	+0.001	+0.24							Mag. corr.....	-0.006	
Mag. corr.....	+0.004										
B. D. +20° 2149 $\alpha = 8^h 33^m$ $\delta = +20^\circ 7'$			B. D. +20° 2166 $\alpha = 8^h 34^m$ $\delta = +20^\circ 1'$			B. D. +20° 2175 $\alpha = 8^h 35^m$ $\delta = +19^\circ 56'$			B. D. +16° 1802 $\alpha = 8^h 37^m$ $\delta = +16^\circ 48'$		
1904	s	"	1904	s	"	1904	s	"	1904	s	"
Jan. 25 Ei.Y.	57.99	50.6 W.	Mar. 25 Ei.Y.	37.67	24.6 W.	Feb. 24 Ei.M.	12.20	6.7 W.	Mar. 16 Ei.Y.	16.26	30.2 W.
Feb. 24 Ei.M.	58.01	51.2 W.	1905			1905			23 Ei.Y.	16.31	29.6 W.
1905			Mar. 25 Ei.M.	37.72	25.1 E.	Mar. 29 Ei.M.	12.21	6.4 E.	1905		
Mar. 29 Ei.M.	57.99	51.1 E.	Dec. 26 Ei.Y.	37.72	25.1 W.	1906			Mar. 16 Ei.Y.	16.33	29.1 E.
1906			1908			Jan. 10 Ei.Y.	12.19	6.4 W.	Dec. 26 Ei.Y.	16.27	29.5 W.
Feb. 13 Ei.Y.	58.01	51.0 W.	Mar. 13 Ei.M.	37.69	25.4 E.	30 Ei.Y.	12.18	6.3 W.	Mean.....	16.292	29.60
Mean.....	58.000	50.97	Mean.....	37.700	25.05	Mean.....	12.195	6.45	Mag. corr.....	+0.002	
Mag. corr.....	+0.015		Mag. corr.....	+0.019		Mag. corr.....	+0.014				
B. D. +20° 2150 $\alpha = 8^h 34^m$ $\delta = +19^\circ 53'$			B. D. +20° 2171 $\alpha = 8^h 34^m$ $\delta = +19^\circ 53'$			6 Hydræ $\alpha = 8^h 35^m 17^s.113$ $\delta = -12^\circ 7' 18''.71$					
1904	s	"	1904	s	"	1906	s	"			
Mar. 23 Ei.Y.	6.57	36.8 W.	Feb. 25 Ei.R.	42.92	55.8 W.	Apr. 10 Br.	+0.05	+1.0 W.			
1905			1905			1907					
Feb. 18 Ei.M.	6.54	36.9 E.	Feb. 18 Ei.M.	42.92	55.0 E.	Nov. 24 M.	+0.11	0.0 E.			
1906			1906			1908					
Jan. 24 Ei.Y.	6.49	36.2 W.	Jan. 24 Ei.Y.	42.89	54.5 W.	Jan. 17 M.P.	+0.10	-0.5			
Feb. 23 Ei.Y.	6.56	36.5 W.	Feb. 23 Ei.Y.	42.93	54.9 W.	18 P.M.	+0.07	+0.3 E.			
Mean.....	6.540	36.60	Mean.....	42.915	55.05						
Mag. corr.....	+0.015		Mag. corr.....	+0.020							

B. D. +18° 2022			1903			1908			1905		
$\alpha = 8^h 37^m$			Mar. 13 Ei.M.	0.00	+0.9 E.	Nov. 18 M.	+0.02	+0.4 W.	Mar. 13 Ei.Y.	5.24	15.4 E.
$\delta = +18^\circ 30'$			27 Ei.M.	0.00	+0.9	20 L.	-0.06	+1.1	1906		
1904			Apr. 6 M.	+0.02	...	27 L.	+0.01	-0.2	Jan. 6 Ei.Y.	5.24	14.9 W.
Apr. 2 Ei.Y.	27.18	33.4 W.	9 M.	+0.03	...	1909			Mean.....	5.268	15.20
3 Ei.Y.	27.16	33.6 W.	13 M.	0.00	...	Mar. 2 P.	0.00	...	Mag. corr.....	-0.001	
1905			Nov. 11 M.	0.00	-0.1 W.	20 L.	0.00	+0.2	B. D. +21° 1909		
Feb. 17 Ei.Y.	27.18	33.8 E.	12 P.	-0.04	+0.4	25 M.	0.00	+0.8	$\alpha = 8^h 40^m$		
1906			1909			26 P.	0.00	+1.3	$\delta = +20^\circ 58'$		
Feb. 7 Ei.Y.	27.20	33.1 W.	Mar. 2 P.	-0.02	...	Apr. 6 P.	+0.01	...	1904		
Mean.....	27.180	33.47	Apr. 6 P.	+0.04	...	9 P.	+0.01	+0.7	Apr. 2 Ei.Y.	34.70	55.2 W.
Mag. corr.....	+0.001		Nov. 30 L.	0.00	+1.0 E.	10 L.	0.00	+0.8	4 Ei.Y.	34.66	53.9 W.
γ Cancri			1910			12 M.	+0.06	...	1905		
$\alpha = 8^h 37^m 29^s.987$			Mar. 21 M.	-0.01	+0.5	Nov. 4 L.	+0.01	+0.8 E.	Mar. 16 Ei.Y.	34.65	54.2 E.
$\delta = +21^\circ 49' 41''.40$			1911			10 M.	-0.02	+0.3	1906		
1903			Mar. 10 P.	0.00	+0.9 E.	11 L.	+0.01	+1.5	Jan. 10 Ei.Y.	34.67	54.1 W.
Oct. 14 L.	[-0.01]	[+0.4] W.	Mean.....	-0.003	+0.41	12 M.	-0.04	+0.5	Mean.....	34.670	54.35
18 L.	[-0.01]	[+1.1]	Mag. corr.....	+0.003		1910			Mag. corr.....	+0.013	
19 Br.	[-0.01]	[+0.6]	B. D. +13° 1972			Mar. 21 M.	-0.02	+0.5	B. D. +14° 1971		
20 R.	[-0.01]	[+0.1]	$\alpha = 8^h 37^m$			Apr. 30 L.	[-0.02]	[+0.5]	$\alpha = 8^h 40^m$		
21 L.	[-0.08]	[+0.6]	$\delta = +13^\circ 2'$			Sept. 27 L.	[-0.03]	...	$\delta = +14^\circ 25'$		
25 L.	[-0.03]	[+0.1]	1904			Oct. 25 L.	[-0.02]	[+1.6]	1904		
26 Br.	[+0.07]	[-0.1]	Mar. 4 Ei.Y.	41.79	23.9 W.	Nov. 20 M.	+0.01	+0.5	Mar. 25 Ei.Y.	38.78	35.9 W.
27 R.	[-0.01]	[-0.2]	22 Ei.Y.	41.78	23.3 W.	22 L.	+0.03	+1.0	29 Ei.Y.	38.86	37.0 W.
28 L.	-0.04	+1.0	1905			24 P.	-0.01	+0.9	1905		
Nov. 2 Br.	-0.01	+0.3	Mar. 27 Ei.Y.	41.79	23.3 E.	1911			Feb. 17 Ei.Y.	38.83	36.1 E.
3 R.	-0.04	+0.5	1906			Jan. 15 M.	+0.01	+0.3	1906		
6 R.	-0.05	+0.3	Feb. 13 Ei.Y.	41.74	23.4 W.	16 P.	+0.03	+0.1	Feb. 7 Ei.Y.	38.77	37.1 W.
8 L.	-0.03	+1.4	Mean.....	41.775	23.47	Mar. 11 L.	-0.01	+1.1	Mean.....	38.810	36.52
9 Br.	+0.08	-0.4	Mag. corr.....	-0.007		29 L.	-0.02	+1.1	Mag. corr.....	-0.001	
11 L.	-0.02	+0.2	δ Cancri			30 M.	0.00	+1.8	α Cancri		
12 Br.	+0.05	-0.1	$\alpha = 8^h 39^m$			Mean.....	0.000	+0.68	$\alpha = 8^h 40^m$		
1904			$\delta = +18^\circ 31' 17''.07$			Mag. corr.....	+0.007		$\delta = +29^\circ 7' 32''.42$		
Feb. 23 Ei.R.	+0.01	-0.2	1904			B. D. +10° 1864			1904		
24 Ei.M.	+0.05	+0.8	Feb. 6 Ei.Y.	+0.01	+0.1 W.	$\alpha = 8^h 39^m$			Mar. 6 Ei.Y.	-0.03	+0.2 W.
25 Ei.R.	+0.03	+0.4	8 Ei.Y.	-0.01	-0.1	$\delta = +10^\circ 26'$			8 Ei.Y.	-0.05	-0.1
Mar. 25 Ei.Y.	-0.02	-0.3	Mar. 9 Ei.Y.	+0.06	+1.3	1904			Mar. 22 Ei.Y.	-0.01	0.0
29 Ei.Y.	+0.04	+0.9	15 Ei.Y.	-0.02	+0.9 W.	Jan. 25 Ei.Y.	19.48	38.3 W.	Apr. 7 R.	0.00	+0.6 W.
Apr. 4 Ei.Y.	-0.01	+0.2	1905			Apr. 2 Ei.Y.	19.42	38.1 W.	1905		
5 Br.	+0.02	+0.3	Feb. 17 Ei.Y.	0.00	0.0 E.	Feb. 24 Ei.Y.	19.48	38.2 E.	Mar. 10 Ei.Y.	-0.07	+0.4 E.
9 M.	-0.01	+0.1	18 Ei.M.	+0.04	+0.3	1906			Nov. 2 Br.	-0.07	-0.3 W.
11 R.	-0.03	+0.1 W.	Mar. 10 Ei.Y.	+0.03	+0.4	Feb. 22 Ei.Y.	19.48	38.1 W.	14 Bs.	-0.05	+0.2
Nov. 1 M.	-0.05	+0.4 E.	13 Ei.Y.	-0.02	+1.0	Mean.....	19.465	38.17	16 Br.	-0.05	-0.4
11 Y.	+0.02	+0.3	29 Ei.M.	+0.04	+0.4	Mag. corr.....	-0.006		20 Br.	-0.07	+0.6
21 Br.	-0.04	+0.3	31 Ei.Y.	-0.01	+0.5 E.	α Mali			1906		
1905			Nov. 3 Bs.	-0.04	+0.9 W.	$\alpha = 8^h 39^m 34^s.398$			Mar. 4 Hl.	-0.03	+0.4
Feb. 18 Ei.M.	-0.05	+0.2	21 Bs.	-0.07	+0.9	$\delta = -32^\circ 49' 32''.83$			Apr. 2 Bs.	+0.02	+0.5
24 Ei.Y.	0.00	+0.8	23 Br.	0.00	+0.4	1906			6 Br.	-0.04	-0.8
Mar. 15 M.	-0.03	+0.5	Dec. 26 Ei.Y.	-0.05	+0.8	Feb. 17 Hl.	+0.06	+0.5 W.	10 Br.	+0.02	+0.2
18 M.	-0.01	+0.7	1906			22 Hl.	+0.11	+0.8	13 Br.	-0.01	+0.8 W.
25 Ei.M.	+0.02	+0.3	Jan. 24 Ei.Y.	-0.01	+0.5	Mar. 10 Hl.	+0.12	-0.8	1907		
28 Br.	-0.05	+0.6	Feb. 7 Ei.Y.	+0.04	+0.4 W.	20 Br.	+0.05	+0.4	Nov. 8 P.	-0.07	+0.7 E.
Apr. 4 Br.	+0.05	+0.3 E.	1907			22 Bs.	0.00	+1.7 W.	10 M.	-0.06	...
Oct. 21 Hl.	[+0.03]	[+0.6] W.	Nov. 10 M.	+0.03	...	1907			29 P.	+0.06	+0.7
Nov. 10 Hl.	+0.03	+0.3	13 M.	0.00	+0.5	Nov. 24 M.	+0.12	0.0 E.	Dec. 19 Hl.	(-0.18)	...
1906			15 P.	+0.03	+1.8	Dec. 18 M.	+0.01	-0.6	21 Hl.	-0.07	+0.6
Jan. 18 Ei.Y.	-0.01	+0.9	Dec. 5 Hl.	-0.02	...	1908			1908		
24 Ei.Y.	-0.06	+0.3	1908			Jan. 16 P.	+0.03	+2.2	Feb. 20 M.	-0.05	+0.2
30 Ei.Y.	-0.04	+0.4	Jan. 17 M.P.	+0.03	+0.2	Mar. 3 Hl.	+0.14	+0.9	24 M.	-0.04	-0.1
Feb. 28 Bs.	+0.03	+0.7	18 P.M.	+0.01	+0.6	7 P.	+0.16	+2.2 E.	26 P.	-0.04	...
Mar. 6 Br.	+0.02	+0.1	Feb. 20 M.	+0.02	...	Mean.....	+0.080	+0.73	Mar. 4 P.	+0.01	+0.3
21 Bs.	0.00	+0.1	26 P.	+0.01	...	Mag. corr.....	-0.003		10 Hl.	-0.09	-0.2
23 Br.	-0.02	+0.2 W.	Mar. 13 Ei.M.	-0.01	+1.1	B. D. +20° 2207			Apr. 9 M.	-0.04	...
1907			27 Ei.M.	+0.02	+0.7	$\alpha = 8^h 40^m$			13 M.	0.00	...
Nov. 10 M.	+0.02	...	Apr. 6 M.	+0.02	...	$\delta = +20^\circ 23'$			Nov. 2 P.	-0.03	+0.4 W.
13 M.	-0.04	...	9 M.	-0.05	...	1904			3 L.	-0.03	-0.9
26 Hl.	+0.06	0.0	13 M.	+0.01	...	Mar. 16 Ei.Y.	5.29	15.4 W.	5 P.	+0.02	+1.2
29 P.	+0.05	+1.3	Nov. 2 P.	-0.02	...	23 Ei.Y.	5.30	15.1 W.	6 L.	-0.02	-0.1
Dec. 5 Hl.	-0.05	...	3 L.	+0.04	...	1905			11 M.	-0.03	0.0
20 P.	-0.02	+0.5	5 P.	-0.05	...	Mar. 13 Ei.Y.	5.24	15.4 E.	12 P.	+0.03	+0.9
21 Hl.	0.00	+0.8	14 P.	-0.09	+0.7	Mean.....	5.268	15.20	26 P.	-0.02	+0.6 W.
24 P.	0.00	+0.7	15 M.	-0.03	+0.4	Mag. corr.....	-0.001				
1908			16 P.	+0.01	+1.0 W.						
Jan. 16 P.	-0.02	-1.1									
Feb. 24 M.	-0.02	+0.3									
26 P.	-0.02	...									

1909 Mar. 2 P. -0.10 ... W. 25 M. -0.10 +1.5 26 P. -0.01 +0.6 31 L. -0.10 0.0 Apr. 6 P. -0.02 ... 9 P. 0.00 +1.0 10 L. -0.01 +0.6 12 M. -0.04 -0.3 W. Nov. 4 L. -0.05 +0.5 E. 15 M. +0.02 -0.2 19 L. -0.06 0.0 25 P. -0.06 +0.8 26 L. -0.02 +0.4 29 P. -0.01 +1.0 30 L. 0.00 +0.7 1910 Jan. 25 P. -0.08 +0.9 Sept. 27 L. [-0.08] [+0.1] Nov. 20 M. -0.06 +0.6 1911 Jan. 15 M. +0.02 +0.8 Mar. 11 L. -0.02 +0.6 E. Mean..... -0.032 +0.36 Mag. corr..... +0.006 B. D. +22° 1988 $\alpha = 8^h 40^m$ $\delta = +22^\circ 43'$ 1904 Mar. 4 Ei.Y. 39.97 2.2 W. Apr. 3 Ei.Y. 39.97 1.8 W. 1905 Mar. 25 Ei.M. 40.01 1.7 E. 1906 Feb. 13 Ei.Y. 39.94 1.5 W. Mean..... 39.972 1.80 Mag. corr..... 0.000 B. D. +16° 1815 $\alpha = 8^h 40^m$ $\delta = +16^\circ 24'$ 1904 Mar. 9 Ei.Y. 43.37 5.3 W. 15 Ei.Y. 43.38 4.4 W. 1905 Mar. 27 Ei.Y. 43.34 3.8 E. 1906 Jan. 18 Ei.Y. 43.34 5.2 W. Mean..... 43.358 4.67 Mag. corr..... -0.009 B. D. +12° 1904 $\alpha = 8^h 41^m$ $\delta = +12^\circ 28'$ 1904 Mar. 16 Ei.Y. 27.18 38.4 W. 23 Ei.Y. 27.20 37.9 W. 1905 Mar. 29 Ei.M. 27.16 37.9 E. 1906 Jan. 24 Ei.Y. 27.14 37.5 W. Mean..... 27.170 37.92 Mag. corr..... -0.007 e Hydræ $\alpha = 8^h 41^m 28^s.788$ $\delta = +6^\circ 47' 8''.69$ 1903 Oct. 12 Br. [+0.05] [+0.9] W. 14 L. [+0.02] [+0.6] 18 L. [-0.01] [+1.0] W. 1903 Oct. 19 Br. [-0.04] [+0.4] W. 20 R. [-0.01] [+0.4] 21 L. [-0.02] [+0.4] 25 L. [-0.01] [0.0] 26 Br. [+0.06] [+1.3] 28 L. [+0.01] [+0.7] Nov. 2 Br. -0.02 +0.5 8 L. +0.03 +1.6 9 Br. +0.09 -0.3 11 L. +0.05 +0.5 12 Br. +0.01 +0.4 Dec. 6 R. +0.03 -0.5 1904 Apr. 9 M. +0.05 +0.2 11 R. +0.01 +0.1 W. Oct. 31 Br. +0.03 +0.2 E. Nov. 6 M. +0.06 +0.7 11 Y. +0.05 -0.4 14 Br. +0.03 +0.4 21 Br. -0.02 +0.1 Dec. 1 M. +0.03 0.0 1905 Mar. 15 M. +0.04 +0.1 18 M. +0.04 +0.3 28 Br. +0.03 +0.5 Apr. 4 Br. +0.02 -0.3 E. Dec. 26 Ei.Y. 0.00 0.0 W. 1906 Feb. 28 Bs. +0.02 +0.7 Mar. 6 Br. -0.02 -0.1 21 Bs. +0.08 +0.3 23 Br. +0.01 +0.6 W. 1907 Nov. 10 M. +0.04 ... E. Dec. 5 Hl. -0.01 ... 1908 Mar. 13 Ei.M. +0.04 +0.5 27 Ei.M. 0.00 +0.2 Apr. 6 M. -0.04 ... 9 M. +0.08 ... 13 M. +0.06 ... E. Nov. 14 P. -0.04 +0.5 W. 15 M. 0.00 0.0 16 P. -0.02 +0.7 18 M. +0.04 -0.3 1909 Mar. 2 P. +0.03 ... Apr. 6 P. 0.00 ... W. Nov. 10 M. -0.02 -0.1 E. 11 L. +0.01 +0.5 12 M. +0.03 +0.1 Dec. 3 L. +0.06 0.0 1910 Feb. 22 P. +0.01 -0.1 1911 Mar. 29 L. +0.05 +1.1 30 M. +0.01 +0.6 Apr. 1 L. +0.04 +0.6 E. Mean..... +0.023 +0.27 Mag. corr..... -0.004 [+0.006][+0.63] B. D. +17° 1941 $\alpha = 8^h 42^m$ $\delta = +17^\circ 45'$ 1904 Jan. 25 Ei.Y. 27.24 47.9 W. Mar. 4 Ei.Y. 27.23 48.7 9 Ei.Y. 27.26 48.7 W. 1905 Feb. 24 Ei.Y. 27.23 48.3 E. 1906 Feb. 23 Ei.Y. 27.26 47.5 W. Mean..... 27.244 48.22 Mag. corr..... +0.006 14 Hydræ $\alpha = 8^h 44^m 20^s.259$ $\delta = -3^\circ 4' 18''.81$ 1903 Oct. 27 R. [-0.07] [+0.2] W. Nov. 6 R. -0.06 +0.7 W. 1907 Nov. 13 M. 0.00 +0.4 E. 15 P. -0.05 +0.7 29 P. +0.02 +1.0 Dec. 20 P. -0.02 +0.6 1908 Jan. 16 P. -0.07 +1.4 E. Nov. 15 M. -0.06 +0.5 W. 20 L. -0.02 +1.0 27 L. -0.01 +0.3 W. Mean..... -0.030 +0.73 Mag. corr..... 0.000 B. D. +18° 2057 $\alpha = 8^h 45^m$ $\delta = +18^\circ 22'$ 1904 Apr. 2 Ei.Y. 0.54 32.0 W. 3 Ei.Y. 0.55 31.9 W. 1905 Mar. 13 Ei.Y. 0.54 32.1 E. 1906 Jan. 6 Ei.Y. 0.50 32.1 W. Mean..... 0.532 32.02 Mag. corr..... +0.015 B. D. +19° 2110 $\alpha = 8^h 45^m$ $\delta = +19^\circ 12'$ 1904 Feb. 6 Ei.Y. 3.64 18.7 W. 8 Ei.Y. 3.64 18.9 W. 1905 Mar. 16 Ei.Y. 3.67 19.0 E. 1906 Jan. 10 Ei.Y. 3.65 19.2 W. Mean..... 3.650 18.95 Mag. corr..... +0.022 B. D. +15° 1917 $\alpha = 8^h 45^m$ $\delta = +15^\circ 43'$ 1904 Mar. 25 Ei.Y. 27.28 17.6 W. 29 Ei.Y. 27.36 18.5 W. 1905 Feb. 17 Ei.Y. 27.35 17.5 E. 1906 Feb. 13 Ei.Y. 27.28 18.9 W. Mean..... 27.318 18.12 Mag. corr..... +0.020 B. D. +16° 1833 $\alpha = 8^h 45^m$ $\delta = +16^\circ 22'$ 1904 Mar. 4 Ei.Y. 34.96 21.7 W. 22 Ei.Y. 35.00 20.3 W. 1905 Mar. 25 Ei.M. 34.98 20.6 E. 1906 Feb. 7 Ei.Y. 34.98 21.7 W. Mean..... 34.980 21.07 Mag. corr..... +0.009 B. D. +13° 2007 $\alpha = 8^h 46^m$ $\delta = +13^\circ 36'$ 1904 Mar. 16 Ei.Y. 53.85 42.1 W. 25 Ei.Y. 53.85 40.7 W. 1905 Mar. 29 Ei.M. 53.84 41.0 E. 1906 Jan. 24 Ei.Y. 53.84 41.0 W. Mean..... 53.845 41.20 Mag. corr..... -0.002 B. D. +21° 1926 $\alpha = 8^h 45^m$ $\delta = +21^\circ 27'$ 1904 Mar. 9 Ei.Y. 36.86 16.7 W. 15 Ei.Y. 36.85 16.0 W. 1905 Mar. 27 Ei.Y. 36.86 15.9 E. 1906 Jan. 18 Ei.Y. 36.84 16.4 W. Mean..... 36.852 16.25 Mag. corr..... -0.013 γ Pyxidis $\alpha = 8^h 46^m$ $\delta = -27^\circ 20'$ 1903 Oct. 21 L. [17.26] [19.2] W. 1904 Mar. 18 Br. 17.24 19.5 Apr. 7 R. 17.27 19.4 11 R. 17.19 19.1 1905 Nov. 22 Hl. 17.32 20.4 1906 Feb. 17 Hl. 17.22 19.2 22 Hl. 17.22 19.0 Mar. 20 Br. 17.27 19.2 W. 1907 Nov. 8 P. 17.31 20.0 E. 14 Hl. 17.24 19.3 Dec. 18 M. 17.22 19.1 21 Hl. 17.25 19.8 24 P. 17.25 19.7 E. Mean..... 17.250 19.48 Mag. corr..... +0.002 δ^1 Cancrī $\alpha = 8^h 46^m$ $\delta = +28^\circ 42'$ 1904 Nov. 11 Y. 38.38 45.1 E. 21 Br. 38.41 45.2 Dec. 7 Br. 38.40 45.1 E. 1905 Nov. 3 Bs. 38.28 45.9 W. 23 Br. 38.32 44.7 26 Hl. 38.38 44.6
--

σ^2 Cancri (mean)			ζ Hydræ			1906			B. D. +18° 2090		
$\alpha = 8^h 48^m 8^s.733$			$\alpha = 8^h 50^m 6^s.430$			Feb. 7 Ei.Y.			$\alpha = 8^h 52^m$		
$\delta = +30^\circ 57' 29''.49$			$\delta = +6^\circ 19' 34''.59$			1907			$\delta = +18^\circ 41'$		
1905			1903			Nov. 8 P.			1904		
Mar. 15 M.	0.00	+0.2 E.	Oct. 12 Br.	[+0.03] [-0.2] W.		14 Hl.	27.92	29.9 E.	Apr. 2 Ei.Y.	38.91	41.7 W.
18 M.	-0.01	+0.8	14 L.	[-0.02] [0.0]			27.94	30.0	3 Ei.Y.	38.94	41.7 W.
28 Br.	-0.06	+0.3	18 L.	[-0.04] [+1.5]		1908			1905		
Apr. 13 Y.	-0.03	+1.1 E.	20 R.	[-0.02] [+0.4]		Feb. 24 M.	27.99	29.9 E.	Mar. 13 Ei.Y.	38.84	42.1 E.
1906			21 L.	[-0.05] [+0.6]		Dec. 2 P.	28.04	30.5 W.	1906		
Mar. 6 Br.	-0.01	0.0 W.	25 L.	[-0.02] [+0.2]		3 M.	28.02	29.6	Jan. 6 Ei.Y.	38.93	42.5 W.
21 Bs.	0.00	-0.1	26 Br.	[0.00] [+1.5]		7 P.	27.94	30.8 W.	Mean.....	38.905	42.00
23 Br.	-0.03	+0.3 W.	27 R.	[-0.09] [+0.5]		Mean.....	27.991	29.91	Mag. corr.....	+0.016	
1908			Nov. 2 Br.	-0.03 +0.4		B. D. +15° 1945			α Cancri		
Feb. 24 M.	+0.01	+0.1 E.	3 R.	-0.04 +0.8		$\alpha = 8^h 51^m$			$\alpha = 8^h 53^m 1^s.166$		
Nov. 20 L.	0.00	+0.7 W.	Dec. 6 R.	+0.01 -0.4		$\delta = +15^\circ 42'$			$\delta = +12^\circ 14' 41''.29$		
27 L.	+0.03	-0.1 W.	1904			1904			1903		
Mean.....	-0.010	+0.33	Apr. 5 Br.	0.00 +0.8		Mar. 9 Ei.Y.	40.41	24.0 W.	Oct. 14 L.	[+0.02] [-0.2] W.	
Mag. corr.....	-0.005		7 R.	-0.01 +0.4		15 Ei.Y.	40.39	23.2 W.	21 L.	[-0.04] [+0.6]	
B. D. +20° 2232			9 M.	+0.01 +0.6 W.		1905			26 Br.	[+0.04] [+1.3]	
$\alpha = 8^h 48^m$			Nov. 6 M.	-0.03 +0.3 E.		Mar. 27 Ei.Y.	40.38	23.3 E.	Nov. 9 Br.	+0.03 -0.5	
$\delta = +20^\circ 20'$			1905			1906			1904		
1904			Mar. 13 Ei.Y.	-0.02 +1.2 E.		Jan. 18 Ei.Y.	40.44	23.3 W.	Feb. 6 Ei.Y.	+0.03 +0.3	
Jan. 25 Ei.Y.	12.19	43.5 W.	Nov. 10 Hl.	+0.07 +0.3 W.		Mean.....	40.405	23.45	8 Ei.Y.	+0.06 +0.5	
Mar. 22 Ei.Y.	12.16	43.4 W.	1906			Mag. corr.....	-0.001		Apr. 11 R.	-0.03 +1.0 W.	
1905			Jan. 24 Ei.Y.	+0.03 +0.9		B. D. +16° 1864			Nov. 6 M.	+0.02 +0.8 E.	
Feb. 24 Ei.Y.	12.20	44.1 E.	Feb. 17 Hl.	-0.03 +0.3		$\alpha = 8^h 52^m$			1905		
1906			22 Hl.	-0.06 +0.2		$\delta = +15^\circ 57'$			Mar. 16 Ei.Y.	-0.01 +0.2 E.	
Feb. 23 Ei.Y.	12.18	43.3 W.	Mar. 20 Br.	0.00 +0.4 W.		1904			Nov. 22 Hl.	+0.01 +0.9 W.	
Mean.....	12.182	43.57	1907			Mar. 16 Ei.Y.	0.20	56.6 W.	23 Br.	-0.07 +0.4	
Mag. corr.....	+0.014		Dec. 19 Hl.	-0.04 ... E.		29 Ei.Y.	0.24	56.0 W.	1906		
B. D. +14° 1989			1908			1905			Jan. 10 Ei.Y.	+0.04 +0.4 W.	
$\alpha = 8^h 48^m$			Jan. 17 M.P.	+0.04 +0.2		Mar. 29 Ei.M.	0.23	55.9 E.	1907		
$\delta = +14^\circ 12'$			18 P.M.	+0.05 +0.5		1906			Apr. 17 Ei.M.	0.00 +0.7 E.	
1904			Feb. 19 P.	+0.02 ...		Jan. 24 Ei.Y.	0.17	55.9 W.	Nov. 24 M.	+0.01 ...	
Apr. 2 Ei.Y.	14.14	31.1 W.	26 P.	0.00 ...		Mean.....	0.210	56.10	26 Hl.	+0.01 +1.5	
3 Ei.Y.	14.16	31.4 W.	Mar. 3 Hl.	-0.06 +0.7		Mag. corr.....	-0.006		Dec. 19 Hl.	+0.01 ...	
1905			10 Hl.	-0.08 ...		B. D. +19° 2131			1908		
Mar. 13 Ei.Y.	14.10	32.1 E.	1909			$\alpha = 8^h 52^m$			Mar. 3 Hl.	-0.06 +0.2	
1906			Nov. 4 L.	-0.02 +0.6		$\delta = +19^\circ 40'$			10 Hl.	-0.03 +0.7	
Jan. 6 Ei.Y.	14.14	31.6 W.	10 M.	-0.04 +0.4		1904			Apr. 13 M.	0.00 ... E.	
Mean.....	14.135	31.55	12 M.	+0.04 +0.5		Jan. 25 Ei.Y.	13.99	8.4 W.	Nov. 13 L.	+0.01 +0.9 W.	
Mag. corr.....	+0.012		15 M.	0.00 +0.6		Feb. 6 Ei.Y.	13.96	8.5 W.	Dec. 2 P.	+0.04 +1.3	
B. D. +22° 2014			19 L.	+0.01 +0.3		1905			3 M.	+0.10 +0.5	
$\alpha = 8^h 48^m$			29 P.	0.00 +1.0		Feb. 24 Ei.Y.	13.96	8.6 E.	7 P.	-0.03 +1.2	
$\delta = +22^\circ 35'$			Dec. 3 L.	-0.02 +0.8		Feb. 23 Ei.Y.	14.06	8.6 W.	1909		
1904			1910			Mean.....	13.992	8.52	Mar. 17 L.	-0.03 +1.1	
Feb. 6 Ei.Y.	31.80	44.4 W.	Feb. 22 P.	-0.01 +0.6		Mag. corr.....	-0.007		20 L.	-0.01 +0.7	
8 Ei.Y.	31.84	44.6 W.	Mar. 21 M.	0.00 +0.6		α Ursæ Majoris			25 M.	+0.02 +0.7	
1905			22 P.	+0.01 +0.2		$\alpha = 8^h 52^m 21^s.474$			26 P.	+0.02 +0.9	
Mar. 16 Ei.Y.	31.79	43.8 E.	Apr. 30 L.	[-0.02] [-0.1]		$\delta = +48^\circ 26' 1''.91$			31 L.	-0.02 +0.6	
1906			Nov. 20 M.	0.00 +0.9		1904			Apr. 7 L.	+0.04 +0.3	
Jan. 10 Ei.Y.	31.80	44.5 W.	22 L.	-0.03 +1.5		Jan. 25 Ei.Y.	13.99	8.4 W.	9 P.	-0.07 +0.3	
Mean.....	31.808	44.32	24 P.	+0.02 +0.6		Feb. 6 Ei.Y.	13.96	8.5 W.	10 L.	0.00 +1.0	
Mag. corr.....	+0.005		Dec. 19 P.	+0.04 +0.2		1905			12 M.	0.00 +0.4	
B. D. +17° 1973			1911			Feb. 24 Ei.Y.	13.96	8.6 E.	15 M.	0.00 +0.9 W.	
$\alpha = 8^h 49^m$			Jan. 15 M.	-0.01 +1.1		Feb. 23 Ei.Y.	14.06	8.6 W.	Nov. 4 L.	-0.02 +1.2 E.	
$\delta = +17^\circ 36'$			Mar. 27 M.	+0.05 +1.2		Mean.....	13.992	8.52	10 M.	+0.04 +0.7	
1904			29 L.	-0.02 +1.5		α Ursæ Majoris			11 L.	+0.04 +1.4	
Mar. 25 Ei.Y.	44.94	42.5 W.	30 M.	0.00 +1.1		$\delta = +48^\circ 26' 1''.91$			12 M.	+0.01 +0.8	
29 Ei.Y.	45.01	43.6 W.	Apr. 1 L.	-0.02 +1.1 E.		1903			15 M.	0.00 +0.8	
1905			Mean.....	-0.004 +0.64		Nov. 6 R.	-0.04 +1.3 W.		19 L.	+0.03 +0.1	
Feb. 17 Ei.Y.	44.99	42.8 E.	Mag. corr.....	-0.001		1908			26 L.	+0.03 +0.9	
1906			60 Cancri			Jan. 17 M.P.	+0.04 +0.5 E.		29 P.	-0.01 +1.1	
Feb. 13 Ei.Y.	44.99	42.9 W.	$\alpha = 8^h 50^m$			18 P.M.	-0.04 +0.8		Dec. 1 M.	0.00 +0.1	
Mean.....	44.982	42.95	$\delta = +12^\circ 0'$			Mar. 4 P.	+0.05 +0.5		1910		
Mag. corr.....	+0.012		1904			7 P.	-0.03 +1.1		Jan. 25 P.	+0.01 +1.2	
1903			Mar. 4 Ei.Y.	27.99 30.3 W.		14 P.	-0.02 +0.6 E.		Mar. 21 M.	+0.01 +0.4	
1904			22 Ei.Y.	27.99 29.5 W.		Nov. 16 P.	+0.05 -0.3 W.		Oct. 25 L.	[-0.05] [+1.4]	
1905			Nov. 11 Y.	28.00 30.0 E.		18 M.	-0.06 +0.4		Nov. 20 M.	-0.04 +0.8	
1906			Dec. 7 Br.	27.96 29.7		27 L.	+0.05 +0.1		22 L.	+0.03 +1.1	
1907			1905			Dec. 1 M.	-0.04 0.0 W.		24 P.	+0.01 +1.2	
1908			Mar. 25 Ei.M.	28.00 30.0 E.		Mean.....	-0.004 +0.50		1911		
1909			Nov. 23 Br.	28.02 29.8 W.		Mag. corr.....	0.000		Jan. 15 M.	-0.04 +0.9	
1910			26 Hl.	28.02 29.8 W.		B. D. +17° 1973			16 P.	+0.01 +0.7	
1911			1904			$\alpha = 8^h 49^m$			Mar. 11 L.	0.00 +1.1	
1912			$\delta = +12^\circ 0'$			$\delta = +17^\circ 36'$			27 M.	+0.05 +1.5 E.	
1913			1904			1904			1905		
1914			1904			1904			1906		
1915			1904			1904			1907		
1916			1904			1904			1908		
1917			1904			1904			1909		
1918			1904			1904			1910		
1919			1904			1904			1911		
1920			1904			1904			1912		
1921			1904			1904			1913		
1922			1904			1904			1914		
1923			1904			1904			1915		
1924			1904			1904			1916		
1925			1904			1904			1917		
1926			1904			1904			1918		
1927			1904			1904			1919		
1928			1904			1904			1920		
1929			1904			1904			1921		
1930			1904			1904			1922		
1931			1904			1904			1923		
1932			1904			1904			1924		
1933			1904			1904			1925		
1934			1904			1904			1926		
1935			1904			1904			1927		
1936			1904			1904			1928		
1937			1904			1904			1929		
1938			1904			1904			1930		
1939			1904			1904			1931		
1940			1904			1904			1932		
1941			1904			1904			1933		
1942			1904			1904			1934		
1943			1904			1904			1935		
1944			1904			1904			1936		
1945			1904			1904			1937		
1946			1904			1904			1938		
1947			1904			1904			1939		
1948			1904			1904			1940		
1949			1904			1904			1941		
1950			1904			1904			1942		
1951			1904			1904			1943		
1952			1904			1904			1944		
1953			1904			1904			1945		
1954			1904			1904			1946		
1955			1904			1904			1947		
1956			1904			1904			1948		
1957			1904			1904			1949		
1958			1904			1904			1950		
1959			1904			1904			1951		
1960			1904			1904			1952		
1961			1904			1904			1953		
1962			1904			1904			1954		
1963			1904			1904			1955		
1964			1904			1904			1956		
1965			1904			1904			1957		
1966			1904			1904			1958		
1967			1904			1904			1959		
1968			1904			1904			1960		
1969			1904			1904			1961		
1970			1904			1904			1962		
1971			1904			1904			1963		
1972			1904			1904			1964		
1973			1904			1904			1965		
1974			1904			1904			1966		
1975			1904			1904			1967		
1976			1904			1904			1968		
1977			1904			1904			1969		
1978			1904			1904			1970		
1979			1904			1904			1971		
1980			1904			1904			1972		
1981			1904			1904			1973		
1982			1904			1904			1974		
1983			1904			1904			1975		
1984			1904			1904			1976		
1985			1904			1904			1977		
1986			1904			1904			1978		
1987			1904			1904			1979		
1988			1904			1904			1980		
1989			1904			1904			1981		
1990			1904			1904			1982		
1991			1904			1904			1983		
1992			1904			1904			1984		
1993			1904			1904			1985		
1994			1904			1904			1986		
1995			1904			1904			1987		
1996			1904			1904			1988		
1997			1904			1904			1989		
1998			1904			1904			1990		
1999			1904			1904			1991		
2000			1904			1904			1992		
2001			1904			1904			1993		
2002			1904			1904			1994		
2003			1904			1904			1995		
2004</											

<p>1911</p> <p>Mar. 29 L. $+0.05$ $+1.5$ E. 30 M. -0.02 $+1.1$ Apr. 1 L. 0.00 $+0.9$ E.</p> <p>Mean..... $+0.005$ $+0.78$ Mag. corr..... $+0.005$</p> <p>B. D. $+21^{\circ}$ 1952 $\alpha = 8^h 53^m$ $\delta = +21^{\circ} 33'$</p> <p>1904</p> <p>Mar. 25 Ei.Y. 11.30 15.8 W. 29 Ei.Y. 11.35 16.7 W.</p> <p>1905</p> <p>Feb. 17 Ei.Y. 11.38 15.8 E.</p> <p>1906</p> <p>Feb. 13 Ei.Y. 11.33 16.1 W.</p> <p>Mean..... 11.340 16.10 Mag. corr..... $+0.006$</p> <p>B. D. $+18^{\circ}$ 2093 $\alpha = 8^h 53^m$ $\delta = +18^{\circ} 31'$</p> <p>1904</p> <p>Mar. 4 Ei.Y. 31.98 27.4 W. 22 Ei.Y. 31.95 26.9 W.</p> <p>1905</p> <p>Mar. 25 Ei.M. 31.93 27.7 E.</p> <p>1906</p> <p>Feb. 7 Ei.Y. 31.98 27.6 W.</p> <p>Mean..... 31.960 27.40 Mag. corr..... $+0.016$</p> <p>ρ Ursæ Majoris $\alpha = 8^h 53^m$ $\delta = +68^{\circ} 1'$</p> <p>1905</p> <p>Mar. 15 M. 31.97 10.1 E. 18 M. 31.93 10.6 28 Br. 31.88 10.1 Apr. 13 Y. 31.95 (11.7)</p> <p>1908</p> <p>Mar. 9 M. 31.98 10.1 E. Nov. 11 M. 31.96 10.5 W. 12 P. 31.99 9.8 14 P. 32.08 9.9 15 M. 31.90 10.1 20 L. 31.97 10.4 W.</p> <p>Mean..... 31.961 10.18 Mag. corr..... $+0.001$</p> <p>ρ Ursæ Majoris s. p. $\alpha = 8^h 53^m$ $\delta = +68^{\circ} 1'$</p> <p>1903</p> <p>Oct. 13 Br. 32.13 11.1 W. 15 L. 32.07 10.9 19 L. 31.98 10.2 20 Br. 32.01 11.1 21 R. 32.02 11.2 W.</p> <p>1907</p> <p>July 5 M. 32.01 9.6 E. Sept. 13 Hl.M. 31.98 9.8 14 P.M. 32.01 10.6 23 M. 31.99 9.8 30 M. 31.87 9.9 E.</p> <p>Mean..... 32.007 10.42 Mag. corr..... 0.000</p>	<p>B. D. $+13^{\circ}$ 2021 $\alpha = 8^h 53^m$ $\delta = +13^{\circ} 27'$</p> <p>1904</p> <p>Mar. 9 Ei.Y. 57.08 46.5 W. 15 Ei.Y. 57.12 46.4 W.</p> <p>1905</p> <p>Mar. 27 Ei.Y. 57.11 46.2 E.</p> <p>1906</p> <p>Jan. 18 Ei.Y. 57.08 45.8 W.</p> <p>Mean..... 57.098 46.22 Mag. corr..... $+0.014$</p> <p>10 Ursæ Majoris $\alpha = 8^h 54^m 8^s.728$ $\delta = +42^{\circ} 10' 41''.97$</p> <p>1903</p> <p>Oct. 20 R. $[-0.02]$ $[+0.4]$ W. 27 R. $[-0.04]$ $[+0.8]$</p> <p>1906</p> <p>Mar. 20 Br. -0.09 $+0.8$ Apr. 2 Bs. -0.05 $+0.4$ W.</p> <p>1907</p> <p>Dec. 24 P. -0.02 $+0.1$ E.</p> <p>1908</p> <p>Jan. 16 P. -0.03 $+0.5$ 17 M.P. 0.00 0.0 18 P.M. 0.00 $+0.2$ Feb. 24 M. -0.03 $+0.8$ E. Nov. 6 L. -0.05 $+0.4$ W.</p> <p>Mean..... -0.034 $+0.40$ Mag. corr..... $+0.007$</p> <p>B. D. $+17^{\circ}$ 1990 $\alpha = 8^h 56^m$ $\delta = +17^{\circ} 28'$</p> <p>1904</p> <p>Mar. 16 Ei.Y. 6.99 24.7 W. 25 Ei.Y. 6.90 24.0 W.</p> <p>1905</p> <p>Mar. 29 Ei.M. 6.95 24.4 E.</p> <p>1906</p> <p>Jan. 24 Ei.Y. 6.91 24.5 W.</p> <p>Mean..... 6.938 24.40 Mag. corr..... $+0.010$</p> <p>B. D. $+15^{\circ}$ 1962 $\alpha = 8^h 56^m$ $\delta = +14^{\circ} 59'$</p> <p>1904</p> <p>Jan. 25 Ei.Y. 30.24 29.4 W. Mar. 4 Ei.Y. 30.28 30.3 W.</p> <p>1905</p> <p>Feb. 24 Ei.Y. 30.28 30.0 E.</p> <p>1906</p> <p>Feb. 23 Ei.Y. 30.28 29.4 W.</p> <p>Mean..... 30.270 29.77 Mag. corr..... -0.006</p> <p>44 Ursæ Majoris $\alpha = 8^h 56^m$ $\delta = +54^{\circ} 40'$</p> <p>1904</p> <p>Mar. 18 Br. 40.93 41.0 W. Apr. 13 M. 40.93 40.7 W. Nov. 11 Y. 40.93 41.4 E. 21 Br. 40.94 41.6 Dec. 7 Br. 41.04 41.7 E.</p> <p>1905</p> <p>Nov. 20 Br. 40.97 41.0 W.</p>	<p>1906</p> <p>Mar. 22 Bs. 40.96 40.8 W. Apr. 2 Bs. 40.98 40.8 W.</p> <p>1907</p> <p>Nov. 8 P. 40.91 41.5 E. Dec. 6 P. 41.02 41.5 11 Hl. 41.04 41.2 E.</p> <p>Mean..... 40.968 41.20 Mag. corr..... -0.005</p> <p>κ Ursæ Majoris $\alpha = 8^h 56^m 48^s.053$ $\delta = +47^{\circ} 33' 7''.27$</p> <p>1903</p> <p>Oct. 18 L. $[-0.05]$ $[+1.1]$ W. 21 L. $[-0.02]$ $[+0.2]$ 25 L. $[-0.02]$ $[-0.2]$ 28 L. $[-0.01]$ $[0.0]$</p> <p>Nov. 2 Br. -0.05 $+0.3$ 6 R. -0.10 $+0.4$ 8 L. -0.04 $+0.8$ 11 L. 0.00 $+0.1$ 12 Br. 0.00 $+0.1$ Dec. 6 R. -0.07 $+0.4$ W.</p> <p>1907</p> <p>Nov. 13 M. -0.01 $+0.4$ E. 14 Hl. 0.00 $+0.6$ 15 P. $+0.02$ $+0.7$ 29 P. $+0.04$ $+0.2$ Dec. 20 P. -0.04 -0.2 E.</p> <p>Mean..... -0.023 $+0.35$ Mag. corr..... -0.003</p> <p>ν Cancri $\alpha = 8^h 56^m$ $\delta = +24^{\circ} 50'$</p> <p>1904</p> <p>Apr. 2 Ei.Y. 53.58 48.1 W. 3 Ei.Y. 53.56 47.9 11 R. 53.59 W. Nov. 6 M. 53.62 47.6 E. 14 Br. 53.60 48.0 16 Y. 53.57 47.2 Dec. 1 M. 53.59 47.3</p> <p>1905</p> <p>Mar. 13 Ei.Y. 53.56 48.1 E.</p> <p>1906</p> <p>Jan. 6 Ei.Y. 53.59 48.0 W. Mar. 6 Br. 53.55 47.3 21 Bs. 53.54 47.5 23 Br. 53.55 47.3 W.</p> <p>1907</p> <p>Nov. 26 Hl. 53.58 48.0 E.</p> <p>1908</p> <p>Nov. 5 P. 53.61 47.8 W.</p> <p>Mean..... 53.578 47.70 Mag. corr..... -0.003</p> <p>B. D. $+22^{\circ}$ 2039 $\alpha = 8^h 57^m$ $\delta = +21^{\circ} 54'$</p> <p>1904</p> <p>Feb. 6 Ei.Y. 0.26 45.3 W. 8 Ei.Y. 0.26 45.7 W.</p> <p>1905</p> <p>Mar. 16 Ei.Y. 0.24 45.8 E.</p> <p>1906</p> <p>Jan. 10 Ei.Y. 0.21 46.2 W.</p> <p>Mean..... 0.242 45.75 Mag. corr..... $+0.003$</p>	<p>B. D. $+23^{\circ}$ 2035 $\alpha = 8^h 57^m$ $\delta = +23^{\circ} 0'$</p> <p>1904</p> <p>Mar. 25 Ei.Y. 37.30 22.5 W. 29 Ei.Y. 37.39 23.3 W.</p> <p>1905</p> <p>Feb. 17 Ei.Y. 37.40 22.5 E.</p> <p>1906</p> <p>Feb. 13 Ei.Y. 37.32 22.9 W.</p> <p>Mean..... 37.352 22.80 Mag. corr..... -0.001</p> <p>B. D. $+18^{\circ}$ 2114 $\alpha = 8^h 58^m$ $\delta = +18^{\circ} 40'$</p> <p>1904</p> <p>Mar. 4 Ei.Y. 43.65 32.5 W. 22 Ei.Y. 43.65 31.6 W.</p> <p>1905</p> <p>Mar. 25 Ei.M. 43.63 32.2 E.</p> <p>1906</p> <p>Feb. 7 Ei.Y. 43.68 32.4 W.</p> <p>Mean..... 43.652 32.17 Mag. corr..... -0.009</p> <p>B. D. $+12^{\circ}$ 1960 $\alpha = 8^h 59^m$ $\delta = +12^{\circ} 36'$</p> <p>1904</p> <p>Mar. 9 Ei.Y. 1.88 57.2 W. 15 Ei.Y. 1.90 56.8 W.</p> <p>1905</p> <p>Mar. 27 Ei.Y. 1.85 57.2 E.</p> <p>1906</p> <p>Feb. 23 Ei.Y. 1.89 56.7 W.</p> <p>Mean..... 1.880 56.97 Mag. corr..... -0.009</p> <p>B. D. $+19^{\circ}$ 2153 $\alpha = 8^h 59^m$ $\delta = +19^{\circ} 50'$</p> <p>1904</p> <p>Mar. 16 Ei.Y. 48.60 6.0 W. 25 Ei.Y. 48.52 4.8 W.</p> <p>1905</p> <p>Mar. 29 Ei.M. 48.62 5.5 E.</p> <p>1906</p> <p>Jan. 24 Ei.Y. 48.60 5.0 W.</p> <p>Mean..... 48.585 5.32 Mag. corr..... 0.000</p> <p>B. D. $+17^{\circ}$ 2004 $\alpha = 9^h 0^m$ $\delta = +17^{\circ} 47'$</p> <p>1904</p> <p>Jan. 25 Ei.Y. 8.84 21.6 W. Apr. 4 Ei.Y. 8.86 21.3 W.</p> <p>1905</p> <p>Feb. 24 Ei.Y. 8.81 21.5 E.</p> <p>1906</p> <p>Feb. 23 Ei.Y. 8.87 20.6 W.</p> <p>Mean..... 8.845 21.25 Mag. corr..... 0.000</p>
---	---	--	--

145 B. Lyncis			1905			1907			1908		
$\alpha = 9^h 0^m 10^s.215$			Feb. 17 Ei.Y.	48.73	29.1 E.	Apr. 17 Ei.M.	40.87	49.7 E.	Nov. 15 M.	+0.02	+0.3 W.
$\delta = +38^\circ 51' 6''.60$			1906			Mean.....	40.900	49.45	16 P.	+0.05	+0.7
1903			Feb. 13 Ei.Y.	48.68	29.3 W.	Mag. corr.....	+0.008		18 M.	-0.04	+0.3
Oct. 20 R.	[-0.07]	[+1.2] W.	Mean.....	48.705	29.17				20 L.	-0.02	+1.2
1906			Mag. corr.....	0.000					26 P.	-0.06	+0.5
Mar. 20 Br.	-0.01	+0.6				B. D. +23° 2048 (mean)			27 L.	+0.03	+0.1
22 Bs.	0.00	+0.6				$\alpha = 9^h 1^m$			Dec. 1 M.	-0.02	+1.0
Apr. 6 Br.	+0.05	+0.7				$\delta = +23^\circ 22'$			1909		
10 Br.	+0.07	+0.9 W.				1904			Apr. 7 L.	+0.04	-0.4
1907.						Mar. 9 Ei.Y.	41.03	53.5 W.	9 P.	+0.01	+1.7
Nov. 24 M.	+0.03	+0.5 E.				Mag. corr....	+0.02		10 L.	-0.02	+1.4
Dec. 24 P.	-0.01	+1.1							15 M.	-0.03	+0.6 W.
1908									Nov. 4 L.	-0.03	+1.3 E.
Jan. 16 P.	0.00	+1.6							1911		
Feb. 7 P.	-0.06	+1.0							Feb. 12 P.	-0.05	+1.1
20 M.	-0.01	+0.6 E.							Mar. 11 L.	-0.01	+1.1 E.
Mean.....	+0.007	+0.84							Mean.....	0.000	+0.69
Mag. corr.....	+0.004								Mag. corr.....	0.000	
B. D. +16° 1901									B. D. +15° 1984		
$\alpha = 9^h 0^m$									$\alpha = 9^h 2^m$		
$\delta = +16^\circ 15'$									$\delta = +15^\circ 6'$		
1904									1904		
Feb. 6 Ei.Y.	38.51	43.3 W.							Jan. 25 Ei.Y.	36.70	52.5 W.
8 Ei.Y.	38.52	44.0 W.							Mar. 29 Ei.Y.	36.70	52.7 W.
1905									1905		
Mar. 16 Ei.Y.	38.59	43.2 E.							Feb. 24 Ei.Y.	36.65	52.7 E.
1906									1906		
Jan. 10 Ei.Y.	38.53	43.6 W.							Feb. 23 Ei.Y.	36.71	52.2 W.
Mean.....	38.538	43.52							Mean.....	36.690	52.52
Mag. corr.....	+0.008								Mag. corr.....	+0.006	
B. D. +17° 2007									B. D. +17° 2018		
$\alpha = 9^h 0^m$									$\alpha = 9^h 2^m$		
$\delta = +17^\circ 30'$									$\delta = +17^\circ 6'$		
1904									1904		
Apr. 2 Ei.Y.	39.28	47.8 W.							Apr. 2 Ei.Y.	59.00	19.8 W.
1905									3 Ei.Y.	58.97	20.3 W.
Mar. 13 Ei.Y.	39.24	48.1 E.							1905		
1906									Mar. 13 Ei.Y.	59.02	20.6 E.
Jan. 6 Ei.Y.	39.27	47.8 W.							1906		
29 Ei.Y.	39.30	46.9 W.							Jan. 6 Ei.Y.	59.01	20.8 W.
Mean.....	39.272	47.65							Mean.....	59.000	20.37
Mag. corr.....	+0.005								Mag. corr.....	+0.001	
ω Hydrae									B. D. +18° 2129		
$\alpha = 9^h 0^m$									$\alpha = 9^h 3^m$		
$\delta = +5^\circ 29'$									$\delta = +17^\circ 52'$		
1903									1904		
Oct. 27 R.	[42.51]	[31.3] W.							Feb. 6 Ei.Y.	25.96	29.7 W.
1904									8 Ei.Y.	25.97	30.2 W.
Nov. 11 Y.	42.56	31.1 E.							1905		
21 Br.	42.53	31.4							Mar. 16 Ei.Y.	25.98	29.2 E.
Dec. 7 Br.	42.52	31.1 E.							1906		
1905									Jan. 10 Ei.Y.	25.94	30.0 W.
Nov. 22 Hl.	42.55	30.8 W.							Mean.....	25.962	29.77
23 Br.	42.53	31.5							Mag. corr.....	+0.007	
1906											
Apr. 13 Br.	42.54	32.2 W.									
1908											
Mar. 3 Hl.	42.54	30.6 E.									
7 P.	42.57	31.4 E.									
Nov. 11 M.	42.55	30.9 W.									
Mean.....	42.543	31.22									
Mag. corr.....	-0.002										
B. D. +15° 1977									ξ Cancri		
$\alpha = 9^h 0^m$									$\alpha = 9^h 3^m$		
$\delta = +15^\circ 40'$									$\delta = +22^\circ 26'$		
1904									1903		
Mar. 25 Ei.Y.	48.67	28.5 W.							Dec. 6 R.	36.69	59.8 W.
29 Ei.Y.	48.74	29.8 W.							1904		
									Mar. 25 Ei.Y.	36.62	59.5
									29 Ei.Y.	36.69	60.4 W.
									Nov. 6 M.	36.69	60.0 E.
									14 Br.	36.61	61.2
									16 Y.	36.64	60.3
									Dec. 1 M.	36.68	60.2 E.

1905 Feb. 17 Ei.Y. 36.72 59.9 E. Nov. 23 Br. 36.66 60.1 W. 1906 Feb. 13 Ei.Y. 36.67 60.5 22 Hl. 36.66 60.1 Mar. 20 Br. 36.65 60.0 22 Bs. 36.65 60.0 W. 1907 Nov. 24 M. 36.68 60.3 E. Mean..... 36.665 60.16 Mag. corr..... -0.001 B. D. +12° 1979 $\alpha = 9^h 4^m$ $\delta = +11^\circ 58'$ 1904 Mar. 4 Ei.Y. 20.39 19.1 W. 22 Ei.Y. 20.35 17.7 W. 1905 Mar. 25 Ei.M. 20.34 18.4 E. 1906 Feb. 7 Ei.Y. 20.36 18.8 W. Mean..... 20.360 18.50 Mag. corr..... +0.017 B. D. +22° 2063 $\alpha = 9^h 4^m$ $\delta = +22^\circ 24'$ 1904 Mar. 9 Ei.Y. 36.22 10.2 W. 15 Ei.Y. 36.22 9.8 W. 1905 Mar. 27 Ei.Y. 36.19 9.6 E. 1906 Jan. 18 Ei.Y. 36.24 10.1 W. Mean..... 36.218 9.92 Mag. corr..... +0.022 B. D. +19° 2171 $\alpha = 9^h 5^m$ $\delta = +19^\circ 17'$ 1904 Mar. 16 Ei.Y. 14.62 46.2 W. Apr. 4 Ei.Y. 14.61 45.5 W. 1905 Mar. 29 Ei.M. 14.65 45.2 E. 1906 Jan. 24 Ei.Y. 14.66 45.6 W. Mean..... 14.635 45.62 Mag. corr..... -0.001 B. D. +13° 2051 $\alpha = 9^h 5^m$ $\delta = +13^\circ 17'$ 1904 Jan. 25 Ei.Y. 57.32 57.8 W. Mar. 9 Ei.Y. 57.34 58.6 W. 1905 Feb. 24 Ei.Y. 57.34 58.5 E. 1906 Feb. 23 Ei.Y. 57.37 58.0 W. Mean..... 57.342 58.22 Mag. corr..... -0.006 B. D. +20° 2282 $\alpha = 9^h 6^m$ $\delta = +20^\circ 45'$ 1904 Apr. 2 Ei.Y. 4.58 46.3 W. 3 Ei.Y. 4.55 46.2 W.	1905 Mar. 13 Ei.Y. 4.50 47.3 E. 1906 Jan. 6 Ei.Y. 4.54 46.9 W. Mean..... 4.542 46.67 Mag. corr..... -0.010 B. D. +9° 2133 $\alpha = 9^h 6^m$ $\delta = +9^\circ 23'$ 1904 Feb. 6 Ei.Y. 4.95 6.6 W. 8 Ei.Y. 4.93 7.4 W. 1905 Mar. 16 Ei.Y. 4.94 6.8 E. 1906 Jan. 10 Ei.Y. 4.92 7.1 W. Mean..... 4.935 6.97 Mag. corr..... +0.010 B. D. +18° 2138 $\alpha = 9^h 6^m$ $\delta = +18^\circ 27'$ 1904 Mar. 25 Ei.Y. 19.90 13.5 W. 29 Ei.Y. 19.94 14.4 W. 1905 Feb. 17 Ei.Y. 19.96 14.0 E. 1906 Feb. 13 Ei.Y. 19.97 13.8 W. Mean..... 19.942 13.92 Mag. corr..... +0.014 B. D. +15° 2003 $\alpha = 9^h 6^m$ $\delta = +15^\circ 23'$ 1904 Mar. 4 Ei.Y. 49.19 58.6 W. 22 Ei.Y. 49.16 57.8 W. 1905 Mar. 25 Ei.M. 49.12 58.2 E. 1906 Feb. 7 Ei.Y. 49.12 59.3 W. Mean..... 49.148 58.47 Mag. corr..... +0.019 36 Lyncis $\alpha = 9^h 7^m$ $\delta = +43^\circ 37'$ 1903 Oct. 27 R. [15.86] [49.0] W. 1904 Mar. 18 Br. 15.99 48.1 27 Br. 15.93 48.5 Apr. 13 M. 15.96 48.3 1905 Nov. 16 Br. 15.87 48.8 20 Br. 15.87 48.0 W. 1907 Nov. 8 P. 15.96 48.2 E. 14 Hl. 15.93 48.8 26 Hl. 15.89 49.0 29 P. 15.96 48.4 Dec. 6 P. 15.95 48.4 E. Mean..... 15.931 48.45 Mag. corr..... -0.001	B. D. +21° 1991 $\alpha = 9^h 7^m$ $\delta = +21^\circ 41'$ 1904 Mar. 9 Ei.Y. 54.68 43.5 W. 15 Ei.Y. 54.67 42.9 W. 1905 Mar. 27 Ei.Y. 54.62 42.9 E. 1906 Jan. 18 Ei.Y. 54.60 43.6 W. Mean..... 54.642 43.22 Mag. corr..... +0.022 B. D. +10° 1956 $\alpha = 9^h 7^m$ $\delta = +10^\circ 43'$ 1904 Mar. 16 Ei.Y. 59.77 8.0 W. 25 Ei.Y. 59.75 6.6 W. 1905 Mar. 29 Ei.M. 59.82 7.7 E. 1906 Jan. 24 Ei.Y. 59.83 7.7 W. Mean..... 59.792 7.50 Mag. corr..... +0.003 θ Hydræ $\alpha = 9^h 9^m 8.812$ $\delta = +2^\circ 44' 8''.63$ 1903 Oct. 21 L. [-0.01] [+0.4] W. 25 L. [-0.05] [+0.1] 28 L. [+0.01] [+0.7] Nov. 2 Br. [-0.02] [+0.4] 3 R. 0.00 +0.3 6 R. -0.03 +0.6 8 L. +0.03 +1.7 9 Br. +0.05 0.0 10 R. -0.01 +0.8 11 L. +0.07 +0.3 12 Br. +0.03 +0.1 20 Br. 0.00 0.0 Dec. 6 R. 0.00 +0.2 1904 Mar. 23 Ei.Y. +0.05 +0.3 Apr. 11 R. 0.00 +0.5 16 M. +0.03 -0.1 W. Nov. 14 Br. +0.02 +1.1 E. 16 Y. -0.01 +0.3 Dec. 1 M. +0.01 +0.1 1905 Feb. 17 Ei.Y. +0.04 +0.5 Mar. 15 M. +0.03 +0.5 18 M. +0.03 +0.5 28 Br. -0.01 +0.5 Apr. 13 Y. +0.02 +1.6 E. Nov. 22 Hl. -0.04 +0.3 W. 23 Br. +0.02 +0.2 Dec. 4 Br. -0.03 -0.5 1906 Jan. 29 Ei.Y. +0.01 +0.1 Feb. 7 Ei.Y. +0.01 +0.9 13 Ei.Y. +0.04 +0.8 17 Hl. +0.01 +0.5 22 Hl. -0.01 +0.7 24 Ei.Y. +0.01 -0.2 Mar. 4 Hl. +0.03 -0.1 5 Ei.Y. +0.05 +0.4 20 Br. +0.02 +0.2 22 Bs. 0.00 +0.2 Apr. 2 Bs. -0.02 +0.6 6 Br. +0.03 +0.4 10 Br. +0.03 +0.4 13 Br. +0.02 +1.4 17 Br. -0.04 +0.4 W.	1907 Apr. 17 Ei.M. +0.01 +1.7 E. Nov. 24 M. -0.02 +0.6 Dec. 11 Hl. +0.03 +0.5 20 P. -0.02 +0.2 21 Hl. +0.01 +0.6 24 P. -0.01 -0.2 1908 Jan. 16 P. +0.02 +0.3 Mar. 4 P. +0.02 +0.8 7 P. +0.02 +1.0 9 M. 0.00 +0.5 10 Hl. -0.03 +0.4 12 Hl. 0.00 0.0 13 M. -0.03 +0.3 14 P. 0.00 +0.4 21 P. +0.06 +0.3 27 M. -0.02 +0.2 E. Nov. 10 L. +0.02 ... W. 11 M. 0.00 +0.4 12 P. 0.00 +0.8 14 P. +0.01 +0.5 15 M. 0.00 -0.1 16 P. 0.00 +0.9 18 M. -0.05 +0.1 20 L. -0.01 +1.0 26 P. 0.00 +0.8 27 L. +0.03 +0.2 1909 Mar. 30 P. -0.03 +0.5 Apr. 6 P. +0.02 +0.4 7 L. +0.06 -0.2 10 L. -0.02 +0.8 15 M. +0.02 +0.6 17 L. -0.02 ... W. Mean..... +0.008 +0.45 Mag. corr..... -0.004 B. D. +16° 1930 $\alpha = 9^h 9^m$ $\delta = +16^\circ 25'$ 1904 Jan. 25 Ei.Y. 24.50 8.5 W. Feb. 6 Ei.Y. 24.55 8.1 W. 1905 Feb. 24 Ei.Y. 24.57 8.6 E. 1906 Feb. 23 Ei.Y. 24.59 8.4 W. Mean..... 24.552 8.40 Mag. corr..... +0.001 B. D. +15° 2009 $\alpha = 9^h 9^m$ $\delta = +15^\circ 21'$ 1904 Apr. 2 Ei.Y. 42.73 23.7 W. 3 Ei.Y. 42.67 23.6 W. 1905 Mar. 13 Ei.Y. 42.66 24.1 E. 1906 Jan. 6 Ei.Y. 42.65 23.7 W. Mean..... 42.678 23.77 Mag. corr..... -0.006 B. D. +20° 2293 $\alpha = 9^h 10^m$ $\delta = +20^\circ 29'$ 1904 Feb. 6 Ei.Y. 24.15 21.4 W. 8 Ei.Y. 24.15 22.2 W. 1905 Mar. 16 Ei.Y. 24.20 21.3 E.
--	--	--	--

1906			B. D. +8° 2199			1906			1907		
Jan. 10	Ei.Y.	24.14 21.5 W.	$\alpha = 9^h 12^m$			Apr. 10	Br.	-0.05 +0.3 W.	Nov. 29	P.	+0.08 +0.3 E.
Mean.....		24.160 21.60	$\delta = +8^\circ 21'$			12	Bs.	-0.04 +0.6	Dec. 4	M.	+0.08 +0.4
Mag. corr.....		-0.008				13	Br.	-0.08 +1.1 W.	6	P.	+0.04 0.0
B. D. +19° 2187			1904			1907			11	Hi.	-0.02 -0.2
$\alpha = 9^h 10^m$			Apr. 2	Ei.Y.	31.04 54.8 W.	Apr. 17	Ei.M.	-0.11 +1.1 E.	20	P.	+0.01 -0.1 E.
$\delta = +19^\circ 13'$			3	Ei.Y.	30.97 54.8 W.	18	M.	-0.07 +0.5	Mean.....		+0.028 +0.02
1904			1905			Nov. 8	P.	-0.05 +0.8	Mag. corr.....		-0.001
Mar. 25	Ei.Y.	50.32 37.4 W.	Mar. 13	Ei.Y.	30.99 55.0 E.	13	M.	-0.04 -0.1	[+0.008][+0.22]		
29	Ei.Y.	50.34 38.4 W.	1906			14	Hi.	-0.04 +0.3	B. D. +15° 2027		
1905			Jan. 6	Ei.Y.	30.99 55.3 W.	15	P.	0.00 +0.4	$\alpha = 9^h 15^m$		
Feb. 17	Ei.Y.	50.36 37.6 E.	Mean.....		30.998 54.97	Dec. 24	P.	-0.09 +0.3	$\delta = +15^\circ 47'$		
1906			Mag. corr.....		+0.009	1908			1904		
Feb. 13	Ei.Y.	50.34 37.8 W.	38 Lynceis			Jan. 16	P.	-0.03 +0.3	Mar. 4	Ei.Y.	44.22 45.4 W.
Mean.....		50.340 37.80	$\alpha = 9^h 12^m$			Mar. 4	P.	-0.01 +0.6	22	Ei.Y.	44.18 44.6 W.
Mag. corr.....		+0.013	$\delta = +37^\circ 13'$			7	P.	-0.03 +1.0	1905		
B. D. +13° 2066			1904			9	M.	-0.01 +0.6	Mar. 25	Ei.M.	44.15 45.3 E.
$\alpha = 9^h 11^m$			Apr. 13	M.	37.48 32.4 W.	12	Hi.	-0.03 +0.3	1906		
$\delta = +13^\circ 29'$			18	R.	37.48 33.5	13	M.	-0.10 +0.1	Feb. 24	Ei.Y.	44.15 44.4 W.
1904			1905			14	P.	-0.02 +0.6	Mean.....		44.175 44.92
Mar. 4	Ei.Y.	53.64 60.5 W.	Nov. 22	Hi.	37.40 32.4	21	P.	-0.04 +1.0	Mag. corr.....		+0.017
22	Ei.Y.	53.67 59.4 W.	23	Br.	37.32 33.5	27	M.	-0.06 -0.1 E.	B. D. +13° 2074		
1905			Dec. 4	Br.	37.36 32.5 W.	Nov. 11	M.	-0.06 +0.1 W.	$\alpha = 9^h 15^m$		
Mar. 25	Ei.M.	53.62 60.3 E.	1907			12	P.	-0.04 +1.5	$\delta = +13^\circ 32'$		
1906			Nov. 24	M.	37.42 32.2 E.	16	P.	-0.09 +1.0	1904		
Feb. 24	Ei.Y.	53.62 59.7 W.	26	Hi.	37.38 32.1	18	M.	-0.05 +0.6	Mar. 9	Ei.Y.	50.99 17.3 W.
Mean.....		53.638 59.97	Dec. 4	M.	37.47 32.3	20	L.	-0.09 +1.2	15	Ei.Y.	50.95 17.3 W.
Mag. corr.....		-0.008	6	P.	37.40 32.6 E.	26	P.	-0.04 +1.0	1905		
B. D. +23° 2072			Mean.....		37.421 32.62	27	L.	-0.01 +0.2	Mar. 27	Ei.Y.	50.96 17.2 E.
$\alpha = 9^h 12^m$			Mag. corr.....		-0.004	1909			1906		
$\delta = +23^\circ 29'$			83 Cancri			Apr. 6	P.	-0.06 +1.1	Jan. 29	Ei.Y.	50.95 16.4 W.
1904			$\alpha = 9^h 13^m 24^s.054$			7	L.	-0.03 +0.3	Mean.....		50.962 17.05
Mar. 9	Ei.Y.	0.67 51.6 W.	$\delta = +18^\circ 7' 44''.82$			10	L.	-0.09 +1.0	Mag. corr.....		+0.016
15	Ei.Y.	0.66 51.4 W.	1904			15	M.	-0.04 +0.6	B. D. +17° 2065		
1905			Feb. 6	Ei.Y.	-0.05 0.0 W.	17	L.	-0.10 ... W.	$\alpha = 9^h 15^m$		
Mar. 27	Ei.Y.	0.65 51.2 E.	8	Ei.Y.	-0.01 +1.0	B. D. +10° 1972			$\delta = +17^\circ 1'$		
1906			22	Ei.M.	-0.08 +0.2	$\alpha = 9^h 14^m$			1904		
Jan. 29	Ei.Y.	0.58 51.5 W.	Mar. 18	Br.	-0.01 +0.3	$\delta = +10^\circ 12'$			Mar. 16	Ei.Y.	52.20 26.9 W.
Mean.....		0.640 51.42	27	Br.	-0.01 +0.3	1904			25	Ei.Y.	52.16 26.0 W.
Mag. corr.....		+0.010	Apr. 11	R.	-0.02 +1.1	Mar. 25	Ei.Y.	7.86 42.0 W.	1905		
B. D. +17° 2053			16	M.	-0.04 +0.2 W.	29	Ei.Y.	7.90 42.5 W.	Mar. 29	Ei.M.	52.24 26.3 E.
$\alpha = 9^h 12^m$			Nov. 11	Y.	-0.04 -0.5 E.	1905			1906		
$\delta = +17^\circ 7'$			14	Br.	-0.08 +1.2	Feb. 17	Ei.Y.	7.93 42.0 E.	Jan. 24	Ei.Y.	52.16 27.0 W.
1904			16	Y.	-0.03 -0.1	1906			Mean.....		52.190 26.55
Mar. 16	Ei.Y.	4.08 25.2 W.	21	Br.	-0.07 +0.0	Feb. 13	Ei.Y.	7.91 42.2 W.	Mag. corr.....		+0.014
29	Ei.Y.	4.04 25.1 W.	30	Br.	-0.08 +0.6	Mean.....			B. D. +19° 2201		
1905			Dec. 1	M.	-0.05 ...	7.900		42.17	$\alpha = 9^h 16^m$		
Mar. 29	Ei.M.	4.10 24.8 E.	7	Br.	-0.04 +0.2	Mag. corr.....		+0.007	$\delta = +19^\circ 10'$		
1906			1905			40 Lynceis			1904		
Jan. 24	Ei.Y.	4.02 25.5 W.	Feb. 24	Ei.Y.	-0.08 +0.8	$\alpha = 9^h 14^m 57^s.797$			Jan. 25	Ei.Y.	10.62 27.6 W.
Mean.....		4.060 25.15	Mar. 16	Ei.Y.	-0.06 +0.3	$\delta = +34^\circ 48' 55''.95$			Feb. 6	Ei.Y.	10.60 27.2 W.
Mag. corr.....		+0.001	17	Y.	-0.02 +0.5	1903			1905		
B. D. +12° 2009			25	Ei.M.	-0.04 +0.7	Oct. 18	L.	[+0.03] [+0.5] W.	Feb. 24	Ei.Y.	10.60 28.2 E.
$\alpha = 9^h 12^m$			27	Ei.Y.	-0.05 +0.4 E.	21	L.	[-0.01] [+0.5]	1906		
$\delta = +11^\circ 55'$			Nov. 16	Br.	-0.04 +0.2 W.	25	L.	[0.00] [-0.3]	Feb. 23	Ei.Y.	10.58 27.4 W.
1904			20	Br.	-0.03 +0.4	26	Br.	[+0.03] [+0.4]	Mean.....		10.600 27.60
Jan. 25	Ei.Y.	25.85 12.6 W.	Dec. 1	M.	-0.05 ...	27	R.	[-0.08] [+0.2]	Mag. corr.....		+0.003
Feb. 8	Ei.Y.	25.91 13.1 W.	7	Br.	-0.06 0.0	28	L.	[+0.04] [+0.3]	B. D. +22° 2082		
1905			16	Hi.	-0.10 +0.5	Nov. 2	Br.	[+0.01] [+0.6]	$\alpha = 9^h 16^m$		
Feb. 24	Ei.Y.	25.87 12.7 E.	1906			3	R.	[+0.04] [-0.4]	$\delta = +21^\circ 55'$		
1906			Jan. 10	Ei.Y.	-0.07 +0.3	8	L.	+0.03 +1.3	1904		
Feb. 23	Ei.Y.	25.88 12.8 W.	Feb. 7	Ei.Y.	0.00 +0.6	9	Br.	+0.05 -0.4	Apr. 2	Ei.Y.	17.64 27.0 W.
Mean.....		25.878 12.80	17	Hi.	-0.03 +0.4	10	R.	0.00 +0.5	3	Ei.Y.	17.64 26.2 W.
Mag. corr.....		+0.020	22	Hi.	-0.09 +0.5	11	L.	+0.01 -0.2	1905		
			24	Ei.Y.	-0.06 -0.1	12	Br.	+0.06 -0.6	Mar. 13	Ei.Y.	17.63 27.2 E.
			Mar. 5	Ei.Y.	-0.04 +0.8	20	Br.	0.00 -0.6			
			20	Br.	-0.08 +0.8	Dec. 6	R.	-0.01 -0.2 W.			
			21	Bs.	-0.09 +0.3						
			22	Bs.	-0.08 +0.8						
			23	Br.	-0.07 +0.7						
			Apr. 2	Bs.	-0.03 +1.0						
			6	Br.	-0.06 +0.1 W.						

1906 Jan. 6 Ei.Y. 17.60 26.3 W. Mean..... 17.628 26.67 Mag. corr..... -0.003	1905 Mar. 27 Ei.Y. 7.71 9.6 E. 1906 Jan. 29 Ei.Y. 7.63 9.2 W. Mean..... 7.692 9.47 Mag. corr..... +0.015	1903 Oct. 21 L. [-0.06] [+0.4] W. 25 L. [-0.03] [-0.1] 26 Br. [+0.01] [+0.1] 27 R. [-0.10] [-1.2] Nov. 2 Br. [+0.01] [+1.6] 3 R. [-0.02] [+0.1] 9 Br. +0.07 -0.1	1905 Dec. 5 Bs. -0.16 -0.1 W. 6 Ill. -0.35 +0.9 1906 Mar. 4 Hl. -0.19 -1.0 Apr. 2 Bs. -0.08 -0.2 6 Br. -0.22 -0.3 10 Br. +0.09 +0.9 13 Br. -0.25 +0.2 16 Bs. -0.07 -0.8 20 Br. -0.05 +0.2 W.
h Mali $\alpha = 9^h 17^m 3^s.782$ $\delta = -25^\circ 32' 24''.50$	B. D. +11° 2035 $\alpha = 9^h 19^m$ $\delta = +10^\circ 50'$	1904 Feb. 22 Ei.M. +0.03 +0.3 Apr. 16 M. 0.00 +0.4 W.	1907 Nov. 10 M. +0.04 ... E. 13 M. -0.44 +0.6 15 P. -0.47 +0.7 24 M. -0.18 +0.1 29 P. +0.16 +0.7 Dec. 4 M. +0.09 -0.3 6 P. +0.02 +0.4 11 Hl. -0.02 +0.6 20 P. -0.26 +0.3 24 P. -0.16 0.0
1903 Nov. 6 R. +0.13 +2.1 W.	1904 Mar. 16 Ei.Y. 39.34 46.3 W. 29 Ei.Y. 39.30 45.9 W.	1905 Mar. 17 Y. +0.02 -0.3 E. Nov. 22 Hl. +0.05 +0.2 W. 23 Br. +0.08 +0.6 26 Hl. -0.03 ... Dec. 16 Hl. 0.00 -0.2	1908 Jan. 16 P. -0.06 0.0 Mar. 7 P. 0.00 +0.3 21 P. -0.18 ... Apr. 6 M. -0.06 ... 9 M. +0.06 ... 13 M. -0.14 ... E. Nov. 6 L. +0.02 +0.1 W. 11 M. -0.18 +0.0 12 P. -0.08 0.0 15 M. -0.16 -1.2 16 P. +0.31 -0.1 18 M. -0.19 +0.1 20 L. +0.13 +0.5 26 P. +0.01 -0.5 27 L. -0.02 -0.3 Dec. 2 P. -0.25 -0.4
1905 Nov. 23 Br. +0.22 +1.1	1905 Mar. 29 Ei.M. 39.34 45.6 E.	1906 Feb. 13 Ei.Y. -0.01 +0.1 22 Hl. -0.03 -0.1 W.	1909 Mar. 30 P. +0.02 +0.9 Apr. 7 L. +0.07 +0.5 W. Nov. 4 L. +0.01 +0.5 E. 10 M. +0.02 +0.4 11 L. +0.03 +0.7 19 L. +0.05 +0.6 Dec. 5 M. +0.04 +0.4
1906 Mar. 20 Br. +0.19 +1.6 22 Bs. +0.17 +1.8 Apr. 13 Br. +0.20 +3.0 W.	1906 Jan. 24 Ei.Y. 39.30 46.0 W. Mean..... 39.320 45.95 Mag. corr..... -0.005	1907 Apr. 17 Ei.M. +0.02 +1.1 E. 20 P. +0.04 -0.6 Nov. 26 Hl. +0.03 0.0	1910 Feb. 22 P. +0.07 +0.1 Mar. 21 M. +0.02 +0.7 22 P. +0.05 -0.3 23 L. +0.08 +1.0 Apr. 28 M. [0.00] [+1.1] Nov. 22 L. +0.07 +0.2
1907 Apr. 18 M. +0.17 +1.8 E. Nov. 13 M. +0.16 +1.4 15 P. +0.26 +1.5 24 M. +0.29 +1.4 Dec. 24 P. +0.15 +1.7 E.	B. D. +17° 2078 $\alpha = 9^h 20^m$ $\delta = +17^\circ 1'$	1908 Mar. 4 P. +0.06 ... 13 M. -0.05 -0.2 24 Fk. +0.12 -0.3 E. Nov. 10 L. +0.01 +0.5 W. Dec. 1 M. +0.11 +0.2 3 M. +0.07 +0.1 7 P. +0.04 +0.2 8 L. +0.12 -0.7 28 P. +0.04 -0.2	May 11 P. [+0.01] [+0.4] E. 12 L. [-0.61] [+0.3] 13 M. +0.07 [+1.4] 15 L. [+0.21] [+0.3] 17 M. -0.10 0.0 18 P. -0.27 +0.4 29 L. [-0.13] [-0.7] Oct. 31 M. 0.00 0.0 Nov. 3 M. [+0.04] [+0.3] 10 M. +0.01 +0.5 11 L. +0.16 +1.2 12 M. +0.09 +0.4 19 L. -0.08 +0.8 25 P. +0.13 +0.2 26 L. +0.07 +0.6 29 P. -0.25 +0.2 30 L. -0.15 +0.1 Dec. 1 M. +0.12 -0.4
Mean..... +0.194 +1.74 Mag. corr..... +0.002	1904 Jan. 25 Ei.Y. 0.15 1.2 W. Feb. 8 Ei.Y. 0.17 1.4 W.	1909 Apr. 7 L. +0.07 +0.5 W. Nov. 4 L. +0.01 +0.5 E. 10 M. +0.02 +0.4 11 L. +0.03 +0.7 19 L. +0.05 +0.6 Dec. 5 M. +0.04 +0.4	1910 Apr. 30 L. [-0.13] [+0.4] May 4 L. [-0.08] 0.0 5 M. [-0.34] [+0.4] 6 P. [-0.34] [-0.4] 14 L. [+0.08] [-0.1] 15 P. +0.03 0.0 19 M. [-0.41] [+1.5] 23 P. [-0.19] [+0.6] E.
B. D. +20° 2314 $\alpha = 9^h 18^m$ $\delta = +20^\circ 47'$	1905 Feb. 24 Ei.Y. 0.23 2.1 E.	1910 Feb. 22 P. +0.07 +0.1 Mar. 21 M. +0.02 +0.7 22 P. +0.05 -0.3 23 L. +0.08 +1.0 Apr. 28 M. [0.00] [+1.1] Nov. 22 L. +0.07 +0.2	Mean..... -0.070 +0.17 Mag. corr..... +0.003 [-0.102][+0.29]
1904 Feb. 6 Ei.Y. 8.72 29.7 W. 8 Ei.Y. 8.74 30.4 W.	1906 Feb. 23 Ei.Y. 0.19 1.8 W. Mean..... 0.185 1.62 Mag. corr..... +0.020	1911 Mar. 29 L. +0.04 +1.0 30 M. -0.04 +1.6 Apr. 1 L. +0.05 +0.8 E.	
1905 Mar. 16 Ei.Y. 8.71 30.1 E.	28 Hydræ $\alpha = 9^h 20^m$ $\delta = -4^\circ 41'$	Mean..... +0.037 +0.29 Mag. corr..... +0.004 [-0.013][+0.27]	
1906 Jan. 10 Ei.Y. 8.68 29.8 W.	1904 Apr. 11 R. 24.09 9.7 W. 13 M. 24.10 9.8 18 R. 24.12 9.2 W. Nov. 11 Y. 24.07 10.1 E. 16 Y. 24.06 9.8 21 Br. 24.05 9.0 Dec. 7 Br. 24.06 9.7 E.		
Mean..... 8.712 30.00 Mag. corr..... +0.002	1905 Nov. 16 Br. 24.16 9.3 W. 20 Br. 24.07 9.7 W.		
B. D. +11° 2027 $\alpha = 9^h 18^m$ $\delta = +11^\circ 29'$	1907 Nov. 14 Hl. 23.95 10.4 E. Mean..... 24.073 9.67 Mag. corr..... -0.005		
1904 Mar. 25 Ei.Y. 16.85 27.6 W. 29 Ei.Y. 16.90 28.3 W.	B. D. +14° 2095 $\alpha = 9^h 21^m$ $\delta = +14^\circ 44'$		
1905 Feb. 17 Ei.Y. 16.90 28.0 E.	1904 Apr. 2 Ei.Y. 27.77 15.0 W. 3 Ei.Y. 27.81 14.9 W.		
1906 Feb. 13 Ei.Y. 16.88 28.4 W. Mean..... 16.882 28.07 Mag. corr..... -0.010	1905 Mar. 13 Ei.Y. 27.77 15.2 E.		
B. D. +18° 2182 $\alpha = 9^h 18^m$ $\delta = +18^\circ 34'$	1906 Jan. 6 Ei.Y. 27.80 15.1 W. Mean..... 27.788 15.05 Mag. corr..... +0.010		
1904 Mar. 4 Ei.Y. 55.90 18.0 W. Apr. 2 Ei.Y. 55.90 18.3 W.	α Hydræ $\alpha = 9^h 22^m 40^s.413$ $\delta = -8^\circ 13' 29''.73$		
1905 Mar. 25 Ei.M. 55.95 18.4 E.	1903 Oct. 14 L. [+0.03] [-0.4] W. 18 L. [+0.04] [+0.8] W.		
1906 Feb. 24 Ei.Y. 55.85 17.6 W. Mean..... 55.900 18.08 Mag. corr..... +0.010			
B. D. +20° 2318 $\alpha = 9^h 19^m$ $\delta = +20^\circ 13'$			
1904 Mar. 9 Ei.Y. 7.72 9.8 W. 15 Ei.Y. 7.71 9.3 W.			

1 H. Draconis s. p.			
$\alpha = 9^h 22^m 51^s.215$ $\delta = +81^\circ 46' 6''.71$			
1904			
June 20 Br.	+0.15	-0.3	W.
July 7 Br.	-0.16	-0.8	
10 R.	+0.08	-0.3	W.
Sept. 21 M.	-0.17	+0.3	E.
23 M.	-0.20	0.0	
26 M.	-0.10	-0.7	
Oct. 7 Br.	-0.10	+0.4	
16 Br.	-0.37	+0.8	
19 M.	+0.04	-0.5	
27 Y.	-0.09	+0.7	
31 M.	-0.24	0.0	
Nov. 1 Br.	+0.06	-0.1	
2 M.	-0.21	...	
3 Y.	-0.34	0.0	
7 M.	-0.18	+0.3	
14 M.	-0.02	+1.1	E.
1905			
Sept. 15 Hl.	+0.23	-0.4	W.
18 Hl.	+0.04	-0.7	
22 Hl.	+0.27	-0.6	
25 Bs.	-0.29	0.0	
26 Hl.	-0.38	-0.3	
29 Bs.	+0.14	-0.6	
30 Hl.	-0.12	-0.3	
Oct. 7 Bs.	+0.14	-0.5	
1906			
July 2 Br.	...	+0.4	
6 Bs.	+0.66	+0.3	
9 Hl.	-0.01	...	
Aug. 4 Hl.	-0.24	...	
11 Hl.	-0.03	...	
15 Hl.	-0.14	...	
Sept. 3 Hl.	-0.25	+0.5	
Oct. 15 Hl.	+0.20	+0.2	
23 Hl.	-0.04	...	W.
1907			
Sept. 20 P.	+0.21	+0.2	E.
Oct. 8 P.	-0.18	0.0	E.
1908			
Sept. 6 P.	+0.04	-0.2	W.
Nov. 3 P.	-0.06	-0.3	
5 M.	+0.03	0.0	
11 P.	+0.03	+0.6	
7 L.	+0.03	-0.2	
10 P.	-0.13	+0.6	
12 M.	-0.25	+0.2	
16 M.	-0.12	-0.8	
17 P.	-0.14	+0.3	
18 L.	+0.18	+0.2	
20 P.	-0.34	+1.1	
21 L.	+0.12	+0.5	W.
1909			
May 11 L.	[+0.31]	[+1.2]	E.
12 M.	[+0.15]	[+0.4]	
28 L.	[-0.24]	[+1.0]	
31 P.	[-0.06]	[+0.5]	
June 1 L.	[+0.14]	[+1.8]	
6 M.	[+0.14]	[+1.0]	
Nov. 4 M.	-0.08	+0.4	
10 L.	+0.01	+0.6	
11 M.	+0.14	+0.4	
12 L.	+0.20	+1.0	
13 M.	-0.10	+0.3	
20 L.	+0.09	+0.4	
22 M.	-0.06	+0.2	
26 P.	+0.28	+0.5	
27 L.	+0.08	0.0	
29 M.	[+0.03]	[+0.2]	
30 P.	[0.00]	[+0.8]	
1910			
May 4 M.	[-0.05]	[+0.5]	
5 P.	[-0.24]	[+0.7]	
12 P.	[-0.07]	[-0.2]	
16 P.	[+0.19]	[+0.2]	E.

1910			
May 27 L.	[-0.01]	[+0.7]	E.
June 3 L.	[+0.06]	[+0.9]	
7 L.	[+0.32]	[+1.2]	
8 M.	[+0.37]	[0.0]	E.
Mean.....	-0.028	+0.11	
Mag. corr.....	+0.003	[+0.060][+0.68]	
B. D. +9° 2188			
$\alpha = 9^h 23^m$			
$\delta = +9^\circ 29'$			
1904			
Feb. 6 Ei.Y.	6.14	33.7	W.
8 Ei.Y.	6.20	33.1	W.
1905			
Mar. 16 Ei.Y.	6.21	33.0	E.
1906			
Jan. 10 Ei.Y.	6.19	33.0	W.
Mean.....	6.185	33.20	
Mag. corr.....	-0.005		
B. D. +13° 2096			
$\alpha = 9^h 23^m$			
$\delta = +12^\circ 49'$			
1904			
Mar. 25 Ei.Y.	8.03	16.3	W.
29 Ei.Y.	8.09	16.9	W.
1905			
Feb. 17 Ei.Y.	8.02	16.9	E.
1906			
Mar. 5 Ei.Y.	8.09	16.4	W.
Mean.....	8.058	16.62	
Mag. corr.....	+0.013		
B. D. +8° 2226			
$\alpha = 9^h 23^m$			
$\delta = +8^\circ 37'$			
1904			
Mar. 4 Ei.Y.	9.75	30.0	W.
22 Ei.Y.	9.77	28.8	W.
1905			
Mar. 25 Ei.M.	9.81	29.0	E.
1906			
Feb. 24 Ei.Y.	9.74	28.8	W.
Mean.....	9.768	29.15	
Mag. corr.....	-0.009		
B. D. +19° 2218			
$\alpha = 9^h 23^m$			
$\delta = +19^\circ 43'$			
1904			
Mar. 9 Ei.Y.	23.80	25.6	W.
15 Ei.Y.	23.77	25.7	W.
1905			
Mar. 27 Ei.Y.	23.69	25.9	E.
1906			
Jan. 29 Ei.Y.	23.72	25.4	W.
Mean.....	23.745	25.65	
Mag. corr.....	-0.002		
h Ursae Majoris			
$\alpha = 9^h 23^m 39^s.199$			
$\delta = +63^\circ 29' 57''.25$			
1903			
Dec. 6 R.	-0.07	+0.3	W.
1906			
Mar. 20 Br.	-0.16	-0.4	
22 Bs.	-0.17	-0.5	W.

1907			
Apr. 18 M.	-0.07	+0.2	E.
21 Hl.	-0.18	-0.2	
1908			
Mar. 9 M.	-0.08	-0.1	
10 Hl.	-0.15	+0.3	
12 Hl.	-0.20	+0.5	E.
Dec. 9 M.	-0.09	+0.4	W.
27 M.	-0.14	+0.4	W.
Mean.....	-0.131	+0.09	
Mag. corr.....	-0.005		
B. D. +21° 2036			
$\alpha = 9^h 23^m$			
$\delta = +21^\circ 21'$			
1904			
Mar. 16 Ei.Y.	43.71	5.4	W.
Apr. 3 Ei.Y.	43.73	5.3	W.
1905			
Mar. 29 Ei.M.	43.76	4.7	E.
1906			
Jan. 24 Ei.Y.	43.72	4.9	W.
Mean.....	43.730	5.07	
Mag. corr.....	+0.001		
B. D. +18° 2207			
$\alpha = 9^h 23^m$			
$\delta = +18^\circ 5'$			
1904			
Jan. 25 Ei.Y.	59.02	20.4	W.
Feb. 22 Ei.M.	59.11	20.5	W.
1905			
Feb. 24 Ei.Y.	59.08	20.5	E.
1906			
Feb. 23 Ei.Y.	59.04	20.0	W.
Mean.....	59.062	20.35	
Mag. corr.....	+0.006		
B. D. +22° 2100			
$\alpha = 9^h 24^m$			
$\delta = +22^\circ 15'$			
1904			
Apr. 2 Ei.Y.	43.26	6.0	W.
3 Ei.Y.	43.17	5.4	W.
1905			
Mar. 13 Ei.Y.	43.18	6.1	E.
1906			
Jan. 6 Ei.Y.	43.18	5.9	W.
Mean.....	43.198	5.85	
Mag. corr.....	+0.014		
B. D. +14° 2101			
$\alpha = 9^h 25^m$			
$\delta = +13^\circ 56'$			
1904			
Feb. 6 Ei.Y.	14.39	8.6	W.
8 Ei.Y.	14.42	8.6	W.
1905			
Mar. 16 Ei.Y.	14.34	8.6	E.
1906			
Jan. 10 Ei.Y.	14.35	9.0	W.
Mean.....	14.375	8.70	
Mag. corr.....	+0.005		
d Ursae Majoris			
$\alpha = 9^h 25^m 38^s.776$			
$\delta = +70^\circ 16' 12''.51$			
1905			
Apr. 13 Y.	-0.07	+0.4	E.

1907			
Dec. 8 M.	-0.07	-0.2	E.
1908			
Mar. 13 M.	-0.08	+0.7	
25 P.	-0.15	+0.4	
27 M.	-0.08	+0.5	E.
Dec. 1 M.	-0.02	0.0	W.
3 M.	-0.06	+0.3	
7 P.	-0.08	+0.1	
8 L.	-0.06	+0.4	
28 P.	0.00	+0.4	W.
Mean.....	-0.067	+0.30	
Mag. corr.....	+0.004		
d Ursae Majoris s. p.			
$\alpha = 9^h 25^m 38^s.793$			
$\delta = +70^\circ 16' 12''.40$			
1905			
Sept. 21 Bs.	+0.09	+0.6	W.
27 Bs.	-0.12	-0.8	
28 Hl.	-0.02	-0.6	
Oct. 4 Bs.	-0.04	+0.5	
5 Hl.	+0.05	0.0	W.
1907			
Oct. 2 P.	-0.04	+0.4	E.
3 P.	0.00	+0.5	
5 P.	-0.02	+0.1	
9 M.	-0.11	-0.2	
12 M.	-0.04	+0.3	E.
Mean.....	-0.025	+0.08	
Mag. corr.....	+0.004		
B. D. +23° 2107			
$\alpha = 9^h 26^m$			
$\delta = +23^\circ 24'$			
1904			
Feb. 22 Ei.M	0.96	33.0	W.
Apr. 4 Ei.Y.	0.98	32.9	W.
1905			
Feb. 17 Ei.Y.	1.00	33.0	E.
1906			
Mar. 5 Ei.Y.	0.97	33.5	W.
Mean.....	0.978	33.10	
Mag. corr.....	+0.007		
B. D. +20° 2332			
$\alpha = 9^h 26^m$			
$\delta = +20^\circ 26'$			
1904			
Mar. 4 Ei.Y.	6.82	54.7	W.
22 Ei.Y.	6.84	53.9	W.
1905			
Mar. 25 Ei.M.	6.81	54.7	E.
1906			
Feb. 24 Ei.Y.	6.80	54.1	W.
Mean.....	6.818	54.35	
Mag. corr.....	+0.007		
B. D. +16° 1984			
$\alpha = 9^h 26^m$			
$\delta = +16^\circ 12'$			
1904			
Mar. 9 Ei.Y.	8.38	38.3	W.
15 Ei.Y.	8.41	37.7	W.
1905			
Mar. 27 Ei.Y.	8.37	38.1	E.
1906			
Jan. 29 Ei.Y.	8.39	37.4	W.
Mean.....	8.388	37.87	
Mag. corr.....	+0.002		

θ Ursae Majoris			1910			1907			1905		
$\alpha = 9^h 26^m 9^s.463$			May 4 L.	$[-0.02]$	$[+0.9]$ E.	Apr. 20 P.	36.23	23.2 E.	Mar. 27 Ei.Y.	25.27	30.9 E.
$\delta = +52^\circ 7' 55''.09$			Dec. 19 P.	$+0.04$	$+0.2$	Nov. 13 M.	36.18	22.6	1906		
1903			1911			Dec. 4 M.	36.17	22.0 E.	Jan. 29 Ei.Y.	25.28	30.6 W.
Oct. 25 L.	$[+0.04]$	$[-0.2]$ W.	Jan. 15 M.	$+0.01$	$+0.3$	Mean.....	36.219	22.39	Mean.....	25.282	30.92
1908			Feb. 12 P.	$+0.03$	$+0.7$	Mag. corr.....	-0.001		Mag. corr.....	+0.009	
Mar. 4 P.	$+0.01$	$+0.4$ E.	Mar. 27 M.	$+0.07$	$+1.9$	B. D. $+8^\circ 2243$			B. D. $+10^\circ 2026$		
9 M.	0.00	-0.2	29 L.	$+0.01$	$+1.2$	$\alpha = 9^h 29^m$			$\alpha = 9^h 30^m$		
12 Hl.	-0.05	-0.2	30 M.	0.00	$+1.2$	$\delta = +8^\circ 37'$			$\delta = +10^\circ 18'$		
14 P.	-0.01	$+0.3$	Apr. 1 L.	-0.01	$+0.9$ E.	1904			1904		
24 Fk.	$+0.03$	$+0.1$ E.	Mean.....	$+0.015$	$+0.54$	Feb. 6 Ei.Y.	22.25	55.8 W.	Mar. 16 Ei.Y.	27.04	57.7 W.
Nov. 20 L.	$+0.01$	0.0 W.	Mag. corr.....	0.000		8 Ei.Y.	22.17	56.8 W.	Apr. 2 Ei.Y.	27.08	57.9 W.
26 P.	0.00	-0.4	B. D. $+10^\circ 2014$			1905			1905		
Dec. 9 M.	$+0.02$	-0.3	$\alpha = 9^h 26^m$			Mar. 16 Ei.Y.	22.24	56.3 E.	Mar. 29 Ei.M.	27.10	56.8 E.
27 M.	$+0.02$	-0.2 W.	$\delta = +10^\circ 9'$			1906			1906		
Mean.....	$+0.003$	-0.06	1904			Jan. 10 Ei.Y.	22.20	56.5 W.	Jan. 24 Ei.Y.	27.09	57.1 W.
Mag. corr.....	-0.001		Mar. 25 Ei.Y.	35.99	24.5 W.	Mean.....	22.215	56.35	Mean.....	27.078	57.37
ξ Leonis			29 Ei.Y.	35.99	25.7 W.	Mag. corr.....	-0.001		Mag. corr.....	-0.006	
$\alpha = 9^h 26^m 33^s.361$			1905			A Hydræ			B. D. $+19^\circ 2355$		
$\delta = +11^\circ 44' 33''.32$			Feb. 24 Ei.Y.	36.01	25.1 E.	$\alpha = 9^h 29^m$			$\alpha = 9^h 30^m$		
1903			1906			$\delta = -5^\circ 28'$			$\delta = +19^\circ 22'$		
Oct. 26 Br.	$[+0.07]$	$[+0.6]$ W.	Feb. 23 Ei.Y.	36.08	25.1 W.	1903			1904		
Nov. 9 Br.	0.00	$+0.7$	Mean.....	36.018	25.10	Nov. 8 L.	33.26	5.6 W.	Mar. 25 Ei.Y.	51.10	32.4 W.
11 L.	-0.06	-0.4	Mag. corr.....	-0.002		12 Br.	33.36	6.8	29 Ei.Y.	51.21	33.2 W.
12 Br.	$+0.02$	$+0.8$	B. D. $+7^\circ 2147$			22 L.	33.31	7.2	1905		
1904			$\alpha = 9^h 27^m$			Dec. 6 R.	33.31	7.3	Feb. 24 Ei.Y.	51.18	33.0 E.
Jan. 25 Ei.Y.	0.00	$+0.2$	$\delta = +7^\circ 30'$			1906			1906		
Feb. 23 Ei.R.	$+0.04$	$+0.2$	1904			Mar. 21 Bs.	33.41	7.2 W.	Feb. 23 Ei.Y.	51.23	34.0 W.
24 Ei.M.	$+0.03$	0.0	Apr. 2 Ei.Y.	14.74	20.6 W.	1907			Mean.....	51.180	33.15
Mar. 16 Ei.Y.	$+0.04$	$+1.4$	3 Ei.Y.	14.67	19.9 W.	Apr. 18 M.	33.28	6.7 E.	Mag. corr.....	-0.003	
Apr. 4 Ei.Y.	0.00	$+0.4$	1905			Nov. 24 M.	33.27	6.9	B. D. $+17^\circ 2109$		
11 R.	$+0.03$	$+0.5$	Mar. 13 Ei.Y.	14.68	20.2 E.	Dec. 24 P.	33.24	7.1	$\alpha = 9^h 31^m$		
16 M.	-0.02	$+1.0$	1906			Mean.....	33.310	6.76	$\delta = +16^\circ 53'$		
18 R.	$+0.05$	$+1.0$ W.	Jan. 6 Ei.Y.	14.72	19.0 W.	Mag. corr.....	-0.004		1904		
Nov. 11 Y.	$+0.03$	$+0.2$ E.	Mean.....	14.702	19.92	B. D. $+13^\circ 2117$			Apr. 2 Ei.Y.	31.66	10.6 W.
21 Br.	0.00	$+1.3$	Mag. corr.....	$+0.006$		$\alpha = 9^h 29^m$			3 Ei.Y.	31.64	10.4 W.
30 Br.	-0.03	$+1.2$	10 Leonis Minoris			$\delta = +13^\circ 6'$			1905		
Dec. 1 M.	0.00	$+0.4$	$\alpha = 9^h 28^m 5^s.979$			1904			Mar. 13 Ei.Y.	31.59	10.9 E.
7 Br.	-0.01	0.0	$\delta = +36^\circ 50' 29''.88$			Feb. 22 Ei.M.	34.04	2.1 W.	1906		
1905			1905			23 Ei.R.	34.06	1.7 W.	Jan. 6 Ei.Y.	31.60	11.2 W.
Mar. 17 Y.	$+0.01$	$+0.6$	Mar. 28 Br.	-0.02	0.0 E.	1905			Mean.....	31.622	10.77
29 Ei.M.	$+0.04$	$+0.4$	Nov. 16 Br.	$+0.03$	$+0.2$ W.	Feb. 17 Ei.Y.	34.14	1.0 E.	Mag. corr.....	-0.009	
30 Ei.Y.	$+0.07$	$+0.3$ E.	20 Br.	$+0.01$	-0.6	1906			10 Leonis		
Nov. 26 Hl.	$+0.04$	... W.	Dec. 7 Br.	-0.06	0.0	Mar. 5 Ei.Y.	34.11	1.4 W.	$\alpha = 9^h 31^m$		
1906			1906			Mean.....	34.083	1.55	$\delta = +7^\circ 17'$		
Jan. 24 Ei.Y.	-0.03	$+1.2$	Mar. 20 Br.	-0.03	$+0.1$	B. D. $+15^\circ 2077$			1903		
30 Ei.Y.	$+0.02$	-0.1	22 Bs.	-0.05	$+0.4$ W.	$\alpha = 9^h 30^m$			Oct. 28 L.	$[55.99]$	$[4.1]$ W.
Feb. 13 Ei.Y.	$+0.03$	$+0.1$	1907			$\delta = +14^\circ 49'$			Nov. 6 R.	$[55.90]$	$[3.9]$
22 Hl.	$+0.04$	0.0 W.	Nov. 26 Hl.	-0.02	$+0.3$ E.	1904			10 R.	55.91	3.5
1907			Dec. 6 P.	$+0.03$	-1.0	Mar. 4 Ei.Y.	25.08	35.1 W.	29 L.	55.99	3.4
Apr. 17 Ei.M.	$+0.02$	$+0.8$ E.	20 P.	-0.05	-0.4 E.	22 Ei.Y.	25.08	33.3 W.	1904		
Nov. 14 Hl.	-0.01	$+0.4$ E.	Mean.....	-0.018	-0.11	1905			Feb. 6 Ei.Y.	55.97	4.0
1908			Mag. corr.....	$+0.004$		Mar. 25 Ei.M.	25.01	34.0 E.	8 Ei.Y.	55.96	4.0 W.
Dec. 2 P.	0.00	-0.3 W.	160 G. Hydræ			1906			1905		
1909			$\alpha = 9^h 28^m$			Feb. 24 Ei.Y.	25.00	33.9 W.	Mar. 16 Ei.Y.	55.97	2.7 E.
Mar. 17 L.	$+0.02$	-0.4	$\delta = -20^\circ 40'$			Mean.....	25.042	34.07	1906		
20 L.	-0.01	$+0.5$	1904			Mag. corr.....	$+0.021$		Jan. 10 Ei.Y.	55.91	3.3 W.
25 M.	$+0.04$	$+0.4$	Nov. 14 Br.	36.20	22.8 E.	B. D. $+20^\circ 2340$			Mar. 21 Bs.	55.94	3.2
30 P.	$+0.01$	$+0.8$	16 Y.	36.25	22.1 E.	$\alpha = 9^h 30^m$			22 Bs.	55.96	3.4
Apr. 7 L.	$+0.04$	$+0.1$	1905			$\delta = +20^\circ 29'$			Apr. 6 Br.	55.94	3.2 W.
12 M.	0.00	-0.2	Nov. 22 Hl.	36.23	22.7 W.	1904			1907		
15 M.	-0.01	$+0.4$	23 Br.	36.22	22.2	Mar. 9 Ei.Y.	25.31	31.1 W.	Nov. 15 P.	55.94	4.2 E.
16 P.	-0.01	$+0.2$	1906			15 Ei.Y.	25.27	31.1 W.	29 P.	55.96	3.6
17 L.	-0.01	... W.	Apr. 2 Bs.	36.23	21.7	B. D. $+20^\circ 29'$			Dec. 4 M.	55.95	3.6
Nov. 4 L.	$[+0.05]$	$[+0.2]$ E.	10 Br.	36.22	22.4	B. D. $+20^\circ 29'$			6 P.	55.95	3.4
15 M.	$+0.02$	$+1.2$	16 Bs.	36.26	22.2 W.	B. D. $+20^\circ 29'$			11 Hl.	55.88	2.8 E.
19 L.	$+0.04$	$+0.2$									
Dec. 1 M.	$+0.03$	0.0									
3 L.	$+0.03$	$+0.6$									
1910											
Feb. 22 P.	$+0.04$	$+0.9$									
Mar. 21 M.	-0.02	$+0.8$									
22 P.	$+0.03$	$+0.4$									
23 L.	$+0.04$	$+1.8$									
Apr. 30 L.	$[0.00]$	$[+0.6]$ E.									

1908 Mar. 13 M.	s 55.87	" 3.5 E.
Mean.....	55.940	3.45
Mag. corr.....	0.000	
B. D. +18° 2232		
$\alpha = 9^h 32^m$ $\delta = +17^\circ 48'$		
1904 Feb. 22 Ei.M.	s 32.23	" 23.2 W.
23 Ei.R.	32.29	22.8 W.
1905 Feb. 17 Ei.Y.	32.28	22.8 E.
1906 Mar. 5 Ei.Y.	32.30	23.1 W.
Mean.....	32.275	22.97
Mag. corr.....	+0.002	
B. D. +15° 2087		
$\alpha = 9^h 32^m$ $\delta = +14^\circ 47'$		
1904 Mar. 4 Ei.Y.	s 33.87	" 57.6 W.
22 Ei.Y.	33.90	56.2 W.
1905 Mar. 25 Ei.M.	33.91	56.5 E.
1906 Feb. 24 Ei.Y.	33.86	56.4 W.
Mean.....	33.885	56.67
Mag. corr.....	+0.016	
2 Sextantis		
$\alpha = 9^h 33^m$ $\delta = +5^\circ 6'$		
1904 Mar. 27 Br.	s 14.35	" 3.8 W.
Apr. 18 R.	14.36	4.0 W.
Nov. 21 Br.	14.27	4.2 E.
30 Br.	14.32	4.2
Dec. 7 Br.	14.26	3.1
1905 Apr. 25 Br.	[14.29]	[3.4] E.
Nov. 23 Br.	14.31	4.0 W.
1906 Apr. 17 Br.	14.32	3.9 W.
1907 Dec. 20 P.	14.25	3.3 E.
1908 Nov. 14 P.	14.27	4.2 W.
Mean.....	14.301	3.86
Mag. corr.....	+0.002	
B. D. +20° 2351		
$\alpha = 9^h 33^m$ $\delta = +20^\circ 44'$		
1904 Mar. 9 Ei.Y.	s 18.07	" 55.6 W.
15 Ei.Y.	18.12	55.8 W.
1905 Mar. 27 Ei.Y.	18.07	55.7 E.
1906 Jan. 29 Ei.Y.	18.05	55.0 W.
Mean.....	18.078	55.52
Mag. corr.....	+0.014	
B. D. +11° 2071		
$\alpha = 9^h 33^m$ $\delta = +11^\circ 13'$		
1904 Mar. 16 Ei.Y.	s 23.61	" 49.0 W.
Apr. 3 Ei.Y.	23.58	48.4 W.
1905 Mar. 29 Ei.M.	23.56	48.2 E.
1906 Jan. 24 Ei.Y.	23.59	48.6 W.
Mean.....	23.585	48.55
Mag. corr.....	+0.005	
89 B. Ursæ Majoris		
$\alpha = 9^h 33^m$ $\delta = +69^\circ 41'$		
1904 Nov. 14 Br.	s 41.61	" 34.0 E.
16 Y.	41.55	33.7 E.
1906 Mar. 23 Br.	41.43	33.2 W.
Apr. 12 Bs.	41.52	32.8 W.
1907 Dec. 8 M.	41.51	33.2 E.
1908 Mar. 7 P.	41.49	33.9
21 P.	41.43	33.3 E.
Nov. 18 M.	41.43	32.9 W.
26 P.	41.48	32.6
27 L.	41.58	32.5 W.
Mean.....	41.503	33.21
Mag. corr.....	-0.005	
89 B. Ursæ Majoris s. p.		
$\alpha = 9^h 33^m$ $\delta = +69^\circ 41'$		
1903 Oct. 22 L.	s 41.65	" 34.5 W.
27 Br.	41.52	34.7
Nov. 3 Br.	41.48	35.0
4 R.	41.50	34.1
1905 Sept. 8 Hl.	41.72	33.8 W.
1907 July 7 Hl.	41.42	32.5 E.
8 M.	41.48	33.0
Sept. 23 M.	41.57	32.6
25 P.	41.63	34.5
26 M.	41.42	33.5 E.
Mean.....	41.539	33.82
Mag. corr.....	-0.003	
B. D. +12° 2075		
$\alpha = 9^h 34^m$ $\delta = +12^\circ 37'$		
1904 Mar. 25 Ei.Y.	s 10.36	" 6.2 W.
29 Ei.Y.	10.39	7.4 W.
1905 Feb. 24 Ei.Y.	10.41	6.6 E.
1906 Feb. 23 Ei.Y.	10.41	6.9 W.
Mean.....	10.392	6.77
Mag. corr.....	-0.006	
Hydræ		
$\alpha = 9^h 34^m$ $\delta = -0^\circ 41'$		
1905 Mar. 28 Br.	s 44.94	" 18.7 E.
Apr. 13 Y.	45.00	18.2 E.
1905		
$\alpha = 9^h 35^m$ $\delta = +13^\circ 30'$		
Nov. 16 Br.	s 45.02	" 19.5 W.
20 Br.	45.00	19.0
Dec. 5 Bs.	44.94	20.1
7 Br.	44.97	19.8
27 Hl.	45.01	19.7 W.
1907 Nov. 26 Hl.	45.05	19.3 E.
1908 Mar. 9 M.	45.03	19.1
12 Hl.	45.03	19.7 E.
Mean.....	44.999	19.31
Mag. corr.....	+0.007	
B. D. +13° 2136		
$\alpha = 9^h 35^m$ $\delta = +13^\circ 30'$		
1904 Apr. 2 Ei.Y.	s 9.45	" 36.9 W.
3 Ei.Y.	9.42	36.3 W.
1905 Mar. 30 Ei.Y.	9.46	36.4 E.
1906 Jan. 30 Ei.Y.	9.51	35.4 W.
Mean.....	9.460	36.25
Mag. corr.....	+0.014	
Hydræ		
$\alpha = 9^h 35^m$ δ		

B. D. +59° 1257			θ Antliae			1911			B. D. +9° 2239		
$\alpha = 9^h 36^m$			$\alpha = 9^h 39^m$			Jan. 15 M.	+0.01	+0.3 E.	$\alpha = 9^h 41^m$		
$\delta = +59^\circ 47'$			$\delta = -27^\circ 18'$			16 P.	-0.07	+0.5 E.	$\delta = +9^\circ 2'$		
1907	s	"	1906	s	"	Mean.....	+0.032	+0.77	1904	s	"
Nov. 15 P.	25.83	17.1 E.	Mar. 22 Bs.	44.61	41.4 W.	Mag. corr.....	0.000		Mar. 9 Ei.Y.	58.22	2.6 W.
Dec. 4 M.	25.95	16.5 E.	Apr. 2 Bs.	44.69	40.4				15 Ei.Y.	58.21	2.2 W.
			6 Br.	44.66	39.8				1905		
Mean.....	25.890	16.80	10 Br.	44.64	40.4				Mar. 10 Ei.Y.	58.21	2.3 E.
Mag. corr.....	-0.012		13 Br.	44.64	40.0 W.				1906		
									Jan. 29 Ei.Y.	58.19	1.9 W.
B. D. +17° 2120			1907			14 Leonis Minoris			Mean.....	58.208	2.25
$\alpha = 9^h 36^m$			Dec. 6 P.	44.75	41.4 E.	$\alpha = 9^h 40^m$			Mag. corr.....	+0.015	
$\delta = +17^\circ 32'$			8 M.	44.66	41.4	$\delta = +45^\circ 34'$					
1904	s	"	11 Hl.	44.66	40.5	1904	s	"			
Mar. 9 Ei.Y.	47.72	16.2 W.	12 M.	44.60	40.3	Nov. 14 Br.	18.81	44.5 E.			
15 Ei.Y.	47.67	15.6 W.	24 P.	44.70	41.7 E.	16 Y.	18.83	43.7 E.			
1905			Mean.....	44.661	40.73	1906					
Mar. 10 Ei.Y.	47.62	15.6 E.	Mag. corr.....	+0.001		Apr. 16 Bs.	18.85	43.3 W.			
1906						1907					
Jan. 29 Ei.Y.	47.67	15.0 W.				Dec. 20 P.	18.76	43.8 E.	B. D. +12° 2095		
Mean.....	47.670	15.60				1908			$\alpha = 9^h 42^m$		
Mag. corr.....	-0.001					Jan. 16 P.	18.85	43.5	$\delta = +12^\circ 1'$		
B. D. +20° 2366			ϵ Leonis			Mar. 4 P.	18.79	43.7 E.	1904	s	"
$\alpha = 9^h 37^m$			$\alpha = 9^h 40^m$	$10^s.565$		Nov. 18 M.	18.78	43.6 W.	Mar. 16 Ei.Y.	3.47	51.4 W.
$\delta = +20^\circ 39'$			$\delta = +24^\circ 14'$	$4''.97$		26 P.	18.85	42.4	29 Ei.Y.	3.41	51.6 W.
1904	s	"	1903	s	"	27 L.	18.86	42.6	1905		
Mar. 16 Ei.Y.	46.63	2.2 W.	Oct. 26 Br.	[+0.04]	[+1.3] W.	Dec. 1 M.	18.75	43.9	Mar. 29 Ei.M.	3.46	50.8 E.
25 Ei.Y.	46.67	0.5 W.	28 L.	[+0.03]	[+0.2]	2 P.	18.80	43.4 W.	1906		
1905			Nov. 6 R.	[-0.01]	[+1.0]	Mean.....	18.812	43.49	Jan. 24 Ei.Y.	3.40	51.5 W.
Mar. 29 Ei.M.	46.65	1.7 E.	29 L.	0.00	+1.4	Mag. corr.....	+0.008		Mean.....	3.435	51.32
1906			30 Br.	....	+0.5				Mag. corr.....	+0.019	
Jan. 24 Ei.Y.	46.68	1.2 W.	1904			B. D. +14° 2139					
Mean.....	46.658	1.40	Mar. 4 Ei.Y.	+0.04	+1.8	$\alpha = 9^h 40^m$					
Mag. corr.....	+0.012		22 Ei.Y.	+0.06	+0.1	$\delta = +13^\circ 54'$					
ψ Leonis			23 Ei.Y.	+0.08	+0.6	1904	s	"	B. D. +12° 2096		
$\alpha = 9^h 38^m$			27 Br.	+0.04	+0.8	Feb. 6 Ei.Y.	37.44	38.9 W.	$\alpha = 9^h 42^m$		
$\delta = +14^\circ 28'$			Apr. 11 R.	+0.05	+1.0	8 Ei.Y.	37.37	40.0 W.	$\delta = +11^\circ 53'$		
1904	s	"	13 M.	+0.07	+1.3	1905			1904	s	"
Apr. 2 Ei.Y.	17.22	46.5 W.	18 R.	+0.03	+1.3 W.	1906			Apr. 2 Ei.Y.	10.89	34.8 W.
3 Ei.Y.	17.28	46.2 W.	1905			Jan. 10 Ei.Y.	37.39	39.3 W.	3 Ei.Y.	10.86	34.8 W.
Nov. 21 Br.	17.16	46.1 E.	Jan. 21 Br.	+0.03	+0.4 E.	Mean.....	37.418	39.50	1905		
30 Br.	17.27	46.0	Mar. 13 Ei.Y.	+0.02	+1.4	Mag. corr.....	-0.010		Feb. 24 Ei.Y.	10.90	33.9 E.
Dec. 7 Br.	17.24	45.6	16 Ei.Y.	-0.02	+0.5				1906		
1905			17 Y.	+0.03	+0.5				Feb. 23 Ei.Y.	10.84	33.9 W.
Feb. 24 Ei.Y.	17.19	45.8	28 Br.	+0.01	+1.0				Mean.....	10.872	34.35
Apr. 25 Br.	17.26	46.0 E.	29 Ei.M.	+0.05	+1.0				Mag. corr.....	-0.007	
Nov. 23 Br.	17.26	46.1 W.	30 Ei.Y.	+0.04	+0.8						
Dec. 6 Hl.	17.14	46.6	Apr. 13 Y.	-0.04	+1.5 E.						
1906			Nov. 16 Br.	+0.06	+0.8 W.						
Feb. 23 Ei.Y.	17.25	45.6 W.	20 Br.	+0.05	+0.3						
1907			26 Hl.	+0.01	....					
Nov. 29 P.	17.29	46.2 E.	Dec. 5 Bs.	+0.03	+0.4						
1908			7 Br.	+0.01	+0.3						
Nov. 14 P.	17.25	46.2 W.	27 Hl.	+0.05	+0.4						
16 P.	17.16	46.7	29 Hl.	+0.05	+0.7						
20 L.	17.23	46.2 W.	1906								
Mean.....	17.229	46.13	Jan. 6 Ei.Y.	0.00	+1.0						
Mag. corr.....	-0.004		Mar. 6 Ei.Y.	+0.01	+0.2						
B. D. +19° 2251			23 Br.	+0.03	-0.4						
$\alpha = 9^h 38^m$			Apr. 12 Bs.	+0.05	+0.4						
$\delta = +19^\circ 19'$			17 Br.	+0.02	+1.3 W.						
1904	s	"	1907								
Feb. 23 Ei.R.	56.46	24.1 W.	Apr. 17 Ei.M.	+0.07	+1.2 E.						
24 Ei.M.	56.45	24.5 W.	Nov. 24 M.	+0.03	+0.5						
1905			Dec. 21 Hl.	+0.04	+0.6						
Mar. 30 Ei.Y.	56.48	25.2 E.	1908								
1906			Feb. 26 P.	+0.10	....					
Jan. 30 Ei.Y.	56.44	24.3 W.	Mar. 7 P.	+0.03	+1.3						
Mean.....	56.458	24.52	21 P.	+0.05	+1.0						
Mag. corr.....	+0.016		24 Fk.	+0.04	+0.8						
			25 P.	+0.05	+1.0						
			27 M.	+0.01	+1.1 E.						
			Dec. 27 M.	+0.03	+0.2 W.						
			1909								
			Apr. 12 M.	+0.03	....					
			17 L.	+0.12	.... W.						
			Nov. 10 M.	+0.02	+0.5 E.						
			1910								
			Nov. 22 L.	-0.03	+1.3 E.						

B. D. +15° 2115			23 Leonis			1903			B. D. +11° 2117		
$\alpha = 9^h 43^m$ $\delta = +15^\circ 25'$			$\alpha = 9^h 45^m$ $\delta = +13^\circ 32'$			$\alpha = 9^h 47^m$ $\delta = +11^\circ 38'$			$\alpha = 9^h 48^m$ $\delta = +6^\circ 25'$		
1904			1904			1904			1904		
Feb. 22	Ei.M.	45.42 22.8 W.	Mar. 27	Br.	37.40 2.5 W.	Nov. 26	Br.	+0.10 -0.8 W.	Feb. 22	Ei.M.	59.22 31.4 W.
24	Ei.M.	45.47 22.5 W.	Apr. 2	Ei.Y.	37.37 2.7	29	L.	+0.06	23	Ei.R.	59.33 30.6 W.
1905			1905			1905			1905		
Mar. 13	Ei.Y.	45.44 23.2 E.	11	R.	37.39 2.4	Nov. 21	Br.	+0.06 +0.6 E.	Feb. 17	Ei.Y.	59.32 31.3 E.
1906			1906			1906			1906		
Mar. 6	Ei.Y.	45.48 22.2 W.	13	M.	37.44 2.3 W.	Dec. 7	Br.	+0.08 0.0	Feb. 24	Ei.Y.	59.31 30.7 W.
Mean.....		45.452 22.67	Nov. 14	Br.	37.37 2.8 E.	Feb. 17	Ei.Y.	+0.07 -0.2	Mean.....		59.295 31.00
Mag. corr.....		-0.001	16	Y.	37.42 1.6	Mar. 25	Ei.M.	+0.04 +0.4	Mag. corr.....		-0.008
v Ursae Majoris			1906			1907			B. D. +6° 2224		
$\alpha = 9^h 43^m 52^s.716$ $\delta = +59^\circ 30' 32''.04$			1907			1907			$\alpha = 9^h 48^m$ $\delta = +8^\circ 32'$		
1903			1907			1907			1904		
Oct. 28	L.	[-0.02] [+0.1] W.	Apr. 20	P.	37.39 1.7 E.	Feb. 23	Ei.Y.	+0.09 +0.1	Mar. 25	Ei.Y.	27.86 45.7 W.
Dec. 6	R.	-0.04 +0.3	Dec. 11	Hl.	37.42 2.6	Mar. 5	Ei.Y.	+0.03 +1.0	29	Ei.Y.	27.90 46.9 W.
1905			20	R.	37.33 2.5	6	Ei.Y.	+0.04 +0.4 W.	1905		
Nov. 22	Hl.	-0.09 -0.5	21	Hl.	37.36 2.5 E.	18	M.	+0.08 +0.7 E.	Mar. 25	Ei.M.	27.92 47.3 E.
1906			Mean.....		37.393 2.45	20	P.	+0.10 +0.7	1906		
Mar. 22	Bs.	-0.18 -0.9	Mag. corr.....		+0.009	24	M.	+0.07 +0.3	Mar. 5	Ei.Y.	27.91 47.3 W.
Apr. 6	Br.	-0.05 +0.4 W.	B. D. +16° 2039			24	M.	+0.08 -0.2	Mean.....		27.898 46.80
1907			$\alpha = 9^h 45^m$ $\delta = +16^\circ 47'$			Dec. 8	M.	+0.05 0.0	Mag. corr.....		+0.020
Nov. 15	P.	-0.02 +0.8 E.	1904			12	M.	+0.11 +0.1	B. D. +8° 2285		
24	M.	+0.02 -0.1	Feb. 23	Ei.R.	44.84 16.5 W.	24	Fk.	+0.06 +0.1	$\alpha = 9^h 48^m$ $\delta = +8^\circ 32'$		
29	P.	+0.18 +0.7	24	Ei.M.	44.84 17.0 W.	25	P.	+0.08 -0.7	1904		
Dec. 4	M.	-0.03 -0.5	1905			27	M.	0.00 -0.1 E.	Mar. 9	Ei.Y.	49.04 48.6 W.
6	P.	+0.12 +0.4 E.	Mar. 30	Ei.Y.	44.91 16.9 E.	27	L.	+0.02 +0.7 W.	15	Ei.Y.	49.02 47.9 W.
Mean.....		-0.010 +0.07	1906			27	L.	+0.11 0.0	1905		
Mag. corr.....		-0.005	Jan. 30	Ei.Y.	44.86 16.5 W.	Dec. 2	P.	+0.08 +0.3	Mar. 10	Ei.Y.	49.04 48.4 E.
B. D. +21° 2113			Mean.....		44.862 16.72	1908			1906		
$\alpha = 9^h 44^m$ $\delta = +21^\circ 38'$			Mag. corr.....		-0.006	Feb. 26	P.	+0.12	Jan. 29	Ei.Y.	49.02 48.1 W.
1904			6 Sextantis			Mar. 7	P.	+0.07 +0.7	Mean.....		49.030 48.25
Mar. 25	Ei.Y.	14.32 42.8 W.	$\alpha = 9^h 46^m 11^s.725$ $\delta = -3^\circ 46' 28''.62$			9	M.	+0.05 -0.2	Mag. corr.....		+0.010
Apr. 2	Ei.Y.	14.39 44.3 W.	1904			12	Hl.	+0.02 0.0	B. D. +5° 2248		
1905			1904			13	M.	+0.02 -0.1	$\alpha = 9^h 48^m$ $\delta = +5^\circ 25'$		
Mar. 25	Ei.M.	14.41 44.7 E.	Apr. 18	R.	+0.03 +0.9 W.	14	P.	+0.04 +0.3	1904		
1906			1905			21	P.	+0.06 +0.7	Mar. 16	Ei.Y.	53.12 0.3 W.
Mar. 5	Ei.Y.	14.39 45.1 W.	Apr. 13	Y.	+0.02 +1.6 E.	24	Fk.	+0.06 +0.1	Apr. 2	Ei.Y.	53.17 0.2 W.
Mean.....		14.378 44.22	1906			25	P.	+0.08 -0.7	1905		
Mag. corr.....		-0.010	Apr. 12	Bs.	0.00 +0.3 W.	27	M.	0.00 -0.1 E.	Mar. 29	Ei.M.	53.13 0.0 E.
B. D. +19° 2270			16	Bs.	+0.10 -0.2	Dec. 2	P.	+0.08 +0.3	1906		
$\alpha = 9^h 45^m$ $\delta = +19^\circ 47'$			17	Br.	-0.02 +0.3 W.	1909			Jan. 24	Ei.Y.	53.09 0.8 W.
1904			1907			1910			Mean.....		53.128 0.32
Mar. 9	Ei.Y.	19.97 27.0 W.	Apr. 21	Hl.	+0.07 -0.1 E.	Nov. 22	L.	+0.03 +0.6 E.	Mag. corr.....		+0.012
15	Ei.Y.	19.91 27.1 W.	Dec. 24	P.	-0.03 +0.1	Dec. 19	P.	+0.05 +0.1	109 B. Ursae Majoris		
1905			1908			1911			$\alpha = 9^h 49^m 26^s.892$ $\delta = +73^\circ 21' 17''.93$		
Mar. 10	Ei.Y.	19.93 27.2 E.	Jan. 16	P.	+0.04 +1.2	Mar. 11	L.	+0.12 -0.3 E.	1905		
1906			Mar. 4	P.	+0.07 +1.2 E.	Mean.....		+0.065 +0.24	1906		
Jan. 29	Ei.Y.	19.92 26.9 W.	Nov. 18	M.	-0.03 -0.2 W.	Mag. corr.....		+0.007	1907		
Mean.....		19.932 27.05	Mean.....		+0.025 +0.51	[+0.055][+0.38]			1907		
Mag. corr.....		0.000	Mag. corr.....		-0.007	B. D. +10° 2065			1907		
B. D. +12° 2105			μ Leonis			$\alpha = 9^h 47^m$ $\delta = +10^\circ 4'$			1907		
$\alpha = 9^h 45^m$ $\delta = +12^\circ 18'$			1903			1904			1907		
1904			1903			1904			1907		
Mar. 22	Ei.Y.	26.54 34.3 W.	Oct. 26	Br.	[+0.09] [0.0] W.	Feb. 6	Ei.Y.	51.16 43.4 W.	1907		
25	Ei.Y.	26.44 34.0 W.	28	L.	[+0.05] [+0.4]	8	Ei.Y.	51.15 44.3 W.	1908		
1905			Nov. 6	R.	[+0.03] [+0.7]	1905			1908		
Mar. 29	Ei.M.	26.51 34.1 E.	8	L.	[+0.04] [+0.8]	Mar. 31	Ei.Y.	51.18 43.6 E.	1908		
1906			9	Br.	[+0.07] [-0.3]	1906			1908		
Jan. 24	Ei.Y.	26.49 34.7 W.	10	R.	[+0.05] [+0.7]	Jan. 10	Ei.Y.	51.16 43.5 W.	1908		
Mean.....		26.495 34.27	11	L.	+0.05 +0.4	Mean.....		51.162 43.70	1908		
Mag. corr.....		+0.015	12	Br.	+0.07 +0.3	Mag. corr.....		-0.010	1908		
			20	Br.	+0.06 +0.1				1908		
			22	L.	+0.05 -0.1 W.				1908		

109 B. Ursæ Majoris s. p.			19 Leonis Minoris			B. D. +15° 2141			1904		
$\alpha = 9^h 49^m 26^s.929$			$\alpha = 9^h 51^m 33^s.645$			$\alpha = 9^h 52^m$			Feb. 22	Ei.M.	+0.05
$\delta = +73^\circ 21' 18''.04$			$\delta = +41^\circ 31' 54''.95$			$\delta = +15^\circ 41'$			23	Ei.R.	+0.03
1904			1903			1904			Apr. 5	Ei.Y.	+0.01
Sept. 21 M.	-0.16	+1.0 E.	Nov. 8 L.	[-0.01]	[+2.4] W.	Mar. 16	Ei.Y.	45.57	14	Ei.Y.	+0.03
23 M.	-0.01	+0.8	9 Br.	[0.00]	[-0.5]	25	Ei.Y.	45.57	15	Ei.Y.	+0.04
26 M.	-0.20	-1.8	10 R.	[-0.04]	[+0.2]	1905			Nov. 16	Y.	+0.02
Oct. 7 Br.	+0.03	-0.1	11 L.	[-0.02]	[+0.2]	Mar. 29	Ei.M.	45.60	1905		
16 Br.	-0.07	+0.8 E.	12 Br.	+0.05	-0.2	Jan. 24	Ei.Y.	45.56	Jan. 21	Br.	+0.09
1905			20 Br.	+0.06	-0.3	1906			Feb. 17	Ei.Y.	+0.05
Sept. 15 Hl.	+0.15	... W.	22 L.	+0.13	-0.1	Jan. 24	Ei.Y.	45.56	Mar. 28	Br.	+0.05
18 Hl.	0.00	+1.6	30 Br.	+0.02	-0.4	Mean	45.575	54.22	30	Ei.Y.	+0.04
22 Hl.	+0.12	-0.4	Dec. 7 Br.	+0.04	... W.	Mag. corr.	+0.005		Apr. 1	Ei.M.	+0.02
25 Bs.	-0.22	+0.6	1908			B. D. +9° 2269			8	Ei.Y.	+0.03
26 Hl.	-0.07	-1.6	Mar. 7 P.	+0.01	+0.5 E.	$\alpha = 9^h 52^m$			13	Y.	-0.01
29 Bs.	-0.05	-0.4 W.	9 M.	+0.02	+0.1	$\delta = +8^\circ 47'$			Dec. 4	Br.	0.00
Mean	-0.044	+0.05	12 Hl.	+0.03	-0.3	1904			26	Br.	+0.04
Mag. corr.	-0.006		14 P.	0.00	+0.4	Apr. 2	Ei.Y.	49.86	29	Hl.	+0.04
B. D. +18° 2291			21 P.	0.00	-0.2 E.	3	Ei.Y.	49.80	1906		
$\alpha = 9^h 50^m$			Mean	+0.036	-0.06	Feb. 24	Ei.Y.	49.82	Feb. 24	Ei.Y.	+0.03
$\delta = +18^\circ 0'$			Mag. corr.	0.000		1905			Apr. 6	Br.	+0.03
1904			B. D. +19° 2284			Feb. 24	Ei.Y.	49.82	7	Bs.	+0.07
Apr. 2	Ei.Y.	26.24	$\alpha = 9^h 51^m$			1906			10	Br.	+0.04
3	Ei.Y.	26.28	$\delta = +19^\circ 45'$			Feb. 23	Ei.Y.	49.86	12	Bs.	0.00
1905			1904			Mean	49.835	29.40	13	Br.	+0.04
Feb. 24	Ei.Y.	26.28	Feb. 22	Ei.M.	51.36	Mag. corr.	+0.020		16	Bs.	+0.08
1906			Mar. 16	Ei.Y.	51.39	ν Leonis			24	Br.	+0.06
Feb. 23	Ei.Y.	26.29	1905			$\alpha = 9^h 52^m$			1907		
Mean	26.272	59.00	Feb. 17	Ei.Y.	51.33	$\delta = +12^\circ 55'$			Apr. 21	Hl.	+0.05
Mag. corr.	+0.003		1906			1903			25	M.	-0.02
B. D. +18° 2291			Feb. 24	Ei.Y.	51.39	Nov. 6	R.	[50.58] [19.7] W.	Nov. 24	M.	+0.02
$\alpha = 9^h 51^m$			Mean	51.368	54.50	1904			29	P.	+0.08
$\delta = +9^\circ 24'$			Mag. corr.	0.000		Feb. 23	Ei.R.	50.65	Dec. 4	M.	-0.01
1904			B. D. +59° 1275			24	Ei.M.	50.74	6	P.	+0.01
Feb. 23	Ei.R.	7.94	$\alpha = 9^h 52^m$			Nov. 21	Br.	50.63	8	M.	+0.06
24	Ei.M.	7.94	$\delta = +59^\circ 13'$			30	Br.	50.71	12	M.	+0.02
Mar. 27	Br.	7.98	1908			Dec. 7	Br.	50.66	24	P.	+0.02
Apr. 11	R.	7.99	Mar. 13	M.	5.02	1905			1908		
13	M.	7.97	24	Fk.	5.06	Mar. 30	Ei.Y.	50.73	Feb. 26	P.	+0.04
18	R.	7.94	Mean	5.040	59.85	Apr. 25	Br.	50.76	Mar. 27	M.	0.00
19	Br.	7.89	Mag. corr.	-0.001		Nov. 16	Br.	50.66	Nov. 18	M.	+0.04
22	Br.	7.91	B. D. +17° 2156			20	Br.	50.71	26	P.	+0.02
Mean	7.932	26.15	$\alpha = 9^h 52^m$			Dec. 5	Bs.	50.72	27	L.	+0.05
Mag. corr.	-0.005		$\delta = +16^\circ 56'$			27	Hl.	50.74	Dec. 2	P.	+0.05
B. D. +15° 2136			1904			1906			1909		
$\alpha = 9^h 51^m$			Mar. 25	Ei.Y.	5.77	Jan. 30	Ei.Y.	50.70	Apr. 16	P.	+0.04
$\delta = +15^\circ 12'$			29	Ei.Y.	5.78	1908			17	L.	+0.06
1904			1905			Mar. 4	P.	50.71	25	P.	+0.01
Feb. 6	Ei.Y.	11.41	Mar. 25	Ei.M.	5.84	Mean	50.702	19.34	26	M.	+0.05
8	Ei.Y.	11.44	1906			Mag. corr.	-0.001		1910		
1905			Mar. 5	Ei.Y.	5.77	B. D. +11° 2136			Apr. 28	M.	+0.02
Mar. 31	Ei.Y.	11.42	Mean	5.790	6.70	$\alpha = 9^h 53^m$			Nov. 24	P.	0.00
1906			Mag. corr.	+0.007		$\delta = +10^\circ 56'$			1911		
Jan. 10	Ei.Y.	11.38	B. D. +14° 2170			1904			Feb. 12	P.	+0.03
Mean	11.412	7.82	$\alpha = 9^h 52^m$			Feb. 6	Ei.Y.	25.47	Mar. 27	M.	+0.08
Mag. corr.	+0.006		$\delta = +14^\circ 4'$			8	Ei.Y.	25.42	Mean	+0.033	+0.47
B. D. +15° 2136			1904			1905			Mag. corr.	+0.002	
$\alpha = 9^h 51^m$			Mar. 9	Ei.Y.	28.66	Mar. 31	Ei.Y.	25.38	B. D. +6° 2240		
$\delta = +15^\circ 12'$			15	Ei.Y.	28.62	1906			$\alpha = 9^h 54^m$		
1904			1905			Jan. 10	Ei.Y.	25.42	$\delta = +6^\circ 43'$		
Feb. 6	Ei.Y.	11.41	Mar. 10	Ei.Y.	28.60	Mean	25.422	7.60	1904		
8	Ei.Y.	11.44	1906			Mag. corr.	+0.008		Mar. 25	Ei.Y.	58.81
1905			Jan. 29	Ei.Y.	28.56	π Leonis			29	Ei.Y.	58.82
Mar. 31	Ei.Y.	11.42	Mean	28.610	59.72	$\alpha = 9^h 54^m 55^s.763$			1905		
1906			Mag. corr.	-0.006		$\delta = +8^\circ 31' 26''.60$			Mar. 25	Ei.M.	58.87
Jan. 10	Ei.Y.	11.38	B. D. +18° 2303			1903			1906		
Mean	11.412	7.82	$\alpha = 9^h 55^m$			Nov. 8	L.	[+0.02] [+1.4] W.	Mar. 5	Ei.Y.	58.85
Mag. corr.	+0.006		$\delta = +18^\circ 2'$			11	L.	[+0.06] [+1.0]	Mean	58.838	46.62
B. D. +15° 2136			1904			22	L.	+0.02 +0.2	Mag. corr.	+0.001	
$\alpha = 9^h 51^m$			Mar. 9	Ei.Y.	13.19	26	Br.	0.00 -0.1 W.	B. D. +18° 2303		
$\delta = +15^\circ 12'$			15	Ei.Y.	13.09	Mean	25.422	7.60	$\alpha = 9^h 55^m$		
1904			Mean	28.610	59.72	Mag. corr.	+0.008		$\delta = +18^\circ 2'$		
Feb. 6	Ei.Y.	11.41	B. D. +14° 2170			$\alpha = 9^h 52^m$			1904		
8	Ei.Y.	11.44	$\alpha = 9^h 52^m$			$\delta = +14^\circ 4'$			Mar. 9	Ei.Y.	13.19
1905			$\delta = +14^\circ 4'$			1904			15	Ei.Y.	13.09
Mar. 31	Ei.Y.	11.42	1904			Feb. 6	Ei.Y.	25.47	Mean	58.838	46.62
1906			Mar. 9	Ei.Y.	28.66	8	Ei.Y.	25.42	Mag. corr.	+0.002	
Jan. 10	Ei.Y.	11.38	15	Ei.Y.	28.62	1905			B. D. +6° 2240		
Mean	11.412	7.82	1905			Mar. 31	Ei.Y.	25.38	$\alpha = 9^h 54^m$		
Mag. corr.	+0.006		Mar. 10	Ei.Y.	28.60	1906			$\delta = +6^\circ 43'$		
B. D. +15° 2136			1906			Jan. 10	Ei.Y.	25.42	1904		
$\alpha = 9^h 51^m$			Jan. 29	Ei.Y.	28.56	Mean	25.422	7.60	Mar. 25	Ei.M.	58.87
$\delta = +15^\circ 12'$			Mean	28.610	59.72	Mag. corr.	+0.008		1906		
1904			B. D. +18° 2303			$\alpha = 9^h 52^m$			Mar. 5	Ei.Y.	58.85
Feb. 6	Ei.Y.	11.41	$\alpha = 9^h 55^m$			$\delta = +18^\circ 2'$			Mean	58.838	46.62
8	Ei.Y.	11.44	$\delta = +18^\circ 2'$			1904			Mag. corr.	+0.001	
1905			1904			Mar. 9	Ei.Y.	13.19	B. D. +18° 2303		
Mar. 31	Ei.Y.	11.42	Mar. 9	Ei.Y.	13.19	15	Ei.Y.	13.09	$\alpha = 9^h 55^m$		
1906			15	Ei.Y.	13.09	Mean	25.422	7.60	$\delta = +18^\circ 2'$		
Jan. 10	Ei.Y.	11.38	Mean	28.610	59.72	Mag. corr.	+0.008		1904		
Mean	11.412	7.82	B. D. +14° 2170			$\alpha = 9^h 52^m$			Mar. 9	Ei.Y.	13.19
Mag. corr.	+0.006		$\alpha = 9^h 52^m$			$\delta = +14^\circ 4'$			15	Ei.Y.	13.09
B. D. +15° 2136			$\delta = +14^\circ 4'$			1904			Mean	58.838	46.62
$\alpha = 9^h 51^m$			1904			Feb. 6	Ei.Y.	25.47	Mag. corr.	+0.002	
$\delta = +15^\circ 12'$			Mar. 9	Ei.Y.	28.66	8	Ei.Y.	25.42	B. D. +6° 2240		
1904			15	Ei.Y.	28.62	1905			$\alpha = 9^h 54^m$		
Feb. 6	Ei.Y.	11.41	1905			Mar. 31	Ei.Y.	25.38	$\delta = +6^\circ 43'$		
8	Ei.Y.	11.44	Mar. 10	Ei.Y.	28.60	1906			1904		
1905			1906			Jan. 10	Ei.Y.	25.42	Mar. 25	Ei.M.	58.87
Mar. 31	Ei.Y.	11.42	Jan. 29	Ei.Y.	28.56	Mean	25.422	7.60	1906		
1906			Mean	28.610	59.72	Mag. corr.	+0.008		Mar. 5	Ei.Y.	58.85
Jan. 10	Ei.Y.	11.38	B. D. +18° 2303			$\alpha = 9^h 52^m$			Mean	58.838	46.62
Mean	11.412	7.82	$\alpha = 9^h 55^m$			$\delta = +18^\circ 2'$			Mag. corr.	+0.001	
Mag. corr.	+0.006		$\delta = +18^\circ 2'$			1904			B. D. +18° 2303		
B. D. +15° 2136			1904			Mar. 9	Ei.Y.	13.19	$\alpha = 9^h 55^m$		
$\alpha = 9^h 51^m$			Mar. 9	Ei.Y.	13.19	15	Ei.Y.	13.09	$\delta = +18^\circ 2'$		
$\delta = +15^\circ 12'$			15	Ei.Y.	13.09	Mean	25.422	7.60	1904		
1904			Mean	28.610	59.72	Mag. corr.	+0.008		Mar. 9	Ei.Y.	13.19
Feb. 6	Ei.Y.	11.41	B. D. +14° 2170			$\alpha = 9^h 52^m$			15	Ei.Y.	13.09
8	Ei.Y.	11.44	$\alpha = 9^h 52^m$			$\delta = +14^\circ 4'$			Mean	58.838	46.62
1905			$\delta = +14^\circ 4'$			1904			Mag. corr.	+0.002	
Mar. 31	Ei.Y.	11.42	1904			Feb. 6	Ei.Y.	25.47	B. D. +6° 2240		
1906			Mar. 9	Ei.Y.	28.66	8	Ei.Y.	25.42	$\alpha = 9^h 54^m$		
Jan. 10	Ei.Y.	11.38	15	Ei.Y.	28.62	1905			$\delta = +6^\circ 43'$		
Mean	11.412	7.82	1905			Mar. 31	Ei.Y.	25.38	1904		
Mag. corr.	+0.006		Mar. 10	Ei.Y.	28.60	1906			Mar. 25	Ei.M.	58.87
B. D. +15° 2136			1906			Jan. 10	Ei.Y.	25.42	1906		
$\alpha = 9^h 51^m$			Jan. 29	Ei.Y.	28.56	Mean	25.422	7.60	Mar. 5	Ei.Y.	58.85
$\delta = +15^\circ 12'$			Mean	28.610	59.72	Mag. corr.	+0.008		Mean	58.838	46.62
1904			B. D. +18° 2303			$\alpha = 9^h 52^m$			Mag. corr.	+0.001	
Feb. 6	Ei.Y.	11.41	$\alpha = 9^h 55^m$			$\delta = +18^\circ 2'$					

1905 Mar. 10 Ei.Y. 13.10 46.2 E.	1906 Feb. 24 Ei.Y. 23.79 9.8 W.	1905 Apr. 13 Y. -0.01 +1.5 E.	B. D. +14° 2202 $\alpha = 10^h 1^m$ $\delta = +14^\circ 38'$
1906 Jan. 29 Ei.Y. 13.14 45.7 W.	Mean..... 23.800 10.30	Dec. 29 Hl. -0.03 +1.0 W.	1904 Mar. 29 Ei.Y. 38.48 44.7 W.
Mean..... 13.130 46.10	Mag. corr..... +0.001	1906 Apr. 7 Bs. -0.02 +1.4	Apr. 4 Ei.Y. 38.50 45.1 W.
Mag. corr..... +0.001	B. D. +12° 2138 $\alpha = 9^h 58^m$ $\delta = +12^\circ 6'$	12 Bs. 0.00 +0.8	1905 Apr. 1 Ei.M. 38.48 44.4 E.
B. D. +9° 2280 $\alpha = 9^h 55^m$ $\delta = +9^\circ 25'$	1904 Mar. 25 Ei.Y. 47.14 44.1 W.	16 Bs. +0.02 +1.2	1906 Mar. 5 Ei.Y. 38.51 45.7 W.
1904 Mar. 16 Ei.Y. 42.86 54.7 W.	29 Ei.Y. 47.16 44.9 W.	17 Br. -0.02 +0.6	Mean..... 38.492 44.97
29 Ei.Y. 42.87 54.6 W.	1905 Mar. 25 Ei.M. 47.19 44.8 E.	24 Br. +0.01 +1.8 W.	Mag. corr..... -0.012
1905 Mar. 29 Ei.M. 42.90 53.7 E.	1906 Mar. 5 Ei.Y. 47.26 45.6 W.	1907 Nov. 29 P. +0.05 +0.9 E.	
1906 Jan. 24 Ei.Y. 42.86 54.6 W.	Mean..... 47.188 44.85	Dec. 4 M. 0.00 +1.1	
Mean..... 42.872 54.40	Mag. corr..... +0.012	6 P. -0.02 -0.2 E.	
Mag. corr..... 0.000	B. D. +5° 2280 $\alpha = 9^h 59^m$ $\delta = +5^\circ 29'$	Mean..... -0.003 +0.98	
B. D. +5° 2269 $\alpha = 9^h 55^m$ $\delta = +5^\circ 28'$	1904 Mar. 9 Ei.Y. 34.34 20.9 W.	Mag. corr..... +0.004	
1904 Apr. 2 Ei.Y. 44.48 33.9 W.	15 Ei.Y. 34.28 20.4 W.	B. D. +16° 2077 $\alpha = 10^h 0^m$ $\delta = +16^\circ 14'$	η Leonis $\alpha = 10^h 1^m 52^s.830$ $\delta = +17^\circ 15' 1''.44$
3 Ei.Y. 44.48 34.6 W.	1905 Mar. 10 Ei.Y. 34.31 20.8 E.	1904 Apr. 2 Ei.Y. 15.42 38.1 W.	1903 Nov. 6 R. [-0.01] [+0.8] W.
1905 Feb. 24 Ei.Y. 44.48 34.6 E.	1906 Jan. 29 Ei.Y. 34.30 20.5 W.	3 Ei.Y. 15.39 38.2 W.	8 L. [+0.04] [+1.5]
1906 Feb. 23 Ei.Y. 44.50 34.2 W.	Mean..... 34.308 20.65	1905 Feb. 24 Ei.Y. 15.44 38.3 E.	9 Br. [+0.13] [-0.1]
Mean..... 44.485 34.32	Mag. corr..... 0.000	1906 Feb. 23 Ei.Y. 15.43 38.0 W.	10 R. [+0.02] [+0.2]
Mag. corr..... -0.001	193 G. Hydræ $\alpha = 9^h 59^m$ $\delta = -23^\circ 48'$	Mean..... 15.420 38.15	11 L. [+0.07] [+0.9]
B. D. +14° 2186 $\alpha = 9^h 55^m$ $\delta = +14^\circ 24'$	1905 Jan. 21 Br. 43.85 4.8 E.	Mag. corr..... +0.020	12 Br. [+0.08] [0.0]
1904 Feb. 23 Ei.R. 57.95 28.9 W.	Nov. 23 Br. 43.85 6.6 W.	B. D. +13° 2206 $\alpha = 10^h 1^m$ $\delta = +13^\circ 16'$	20 Br. +0.09 +0.2
24 Ei.M. 57.96 29.2 W.	Dec. 19 Bs. 43.76 4.8	1904 Feb. 23 Ei.R. 14.86 10.7 W.	22 L. +0.14 +0.3
1905 Mar. 30 Ei.Y. 57.97 29.3 E.	1906 Apr. 6 Br. 43.79 4.1	24 Ei.M. 14.86 10.4 W.	26 Br. +0.12 +0.4
1906 Jan. 30 Ei.Y. 58.01 28.6 W.	10 Br. 43.79 4.7	1905 Mar. 30 Ei.Y. 14.89 11.6 E.	30 Br. +0.09 +0.6
Mean..... 57.972 29.00	13 Br. 43.77 3.9 W.	1906 Jan. 30 Ei.Y. 14.87 10.6 W.	Dec. 7 Br. +0.14 0.0
Mag. corr..... -0.003	1907 Nov. 24 M. 43.78 4.7 E.	Mean..... 14.870 10.82	1904 Mar. 9 Ei.Y. +0.08 +0.6
B. D. +10° 2100 $\alpha = 9^h 58^m$ $\delta = +10^\circ 22'$	Dec. 11 Hl. 43.77 4.0	Mag. corr..... +0.007	15 Ei.Y. +0.10 +0.8
1904 Feb. 6 Ei.Y. 14.16 57.7 W.	12 M. 43.81 5.0	B. D. +4° 2291 $\alpha = 10^h 1^m$ $\delta = +3^\circ 57'$	16 Ei.Y. +0.09 +0.6
8 Ei.Y. 14.26 58.7 W.	24 P. 43.81 4.1 E.	1904 Feb. 6 Ei.Y. 19.57 47.8 W.	Apr. 7 Ei.Y. +0.10 -0.1
1905 Mar. 31 Ei.Y. 14.20 58.3 E.	Mean..... 43.798 4.67	8 Ei.Y. 19.56 49.0 W.	15 Ei.Y. +0.10 +0.6 W.
1906 Jan. 10 Ei.Y. 14.21 57.9 W.	Mag. corr..... -0.006	1905 Mar. 31 Ei.Y. 19.53 49.0 E.	1907 Apr. 20 P. +0.06 -0.3 E.
Mean..... 14.208 58.15	B. D. +8° 2316 $\alpha = 9^h 59^m$ $\delta = +8^\circ 28'$	1906 Jan. 10 Ei.Y. 19.62 49.3 W.	21 Hl. +0.14 +0.2
Mag. corr..... +0.010	1904 Mar. 16 Ei.Y. 47.56 33.3 W.	Mean..... 19.570 48.77	25 M. +0.10 +1.0
B. D. +19° 2297 $\alpha = 9^h 58^m$ $\delta = +19^\circ 26'$	Apr. 4 Ei.Y. 47.48 33.4 W.	Mag. corr..... 0.000	Nov. 27 M. +0.09 +0.2
1904 Feb. 22 Ei.M. 23.79 10.2 W.	1905 Mar. 29 Ei.M. 47.53 33.0 E.	B. D. +6° 2259 $\alpha = 10^h 1^m$ $\delta = +6^\circ 5'$	Dec. 20 P. +0.12 +0.2
23 Ei.R. 23.78 10.7 W.	1906 Jan. 24 Ei.Y. 47.53 33.6 W.	1904 Feb. 22 Ei.M. 33.67 57.4 W.	21 Hl. +0.05 +0.2
1905 Feb. 17 Ei.Y. 23.84 10.5 E.	Mean..... 47.525 33.32	Apr. 5 Ei.Y. 33.73 57.7 W.	1908 Jan. 16 P. +0.14 +0.2
Mag. corr..... +0.009	Mag. corr..... +0.009	1905 Apr. 8 Ei.Y. 33.67 57.9 E.	Mar. 4 P. +0.11 +0.6
ν^2 Hydræ $\alpha = 10^h 0^m 15^s.309$ $\delta = -12^\circ 34' 47''.19$	1903 Dec. 6 R. -0.01 +1.0 W.	1906 Feb. 24 Ei.Y. 33.69 57.1 W.	7 P. +0.06 +0.7
1905 Mar. 28 Br. -0.01 +0.6 E.	1905 Mar. 28 Br. -0.01 +0.6 E.	Mean..... 33.690 57.52	9 M. +0.12 +0.7
		Mag. corr..... +0.020	12 Hl. +0.02 +0.7
			13 M. +0.05 +0.6
			14 P. +0.10 +0.7
			15 Hl. +0.11 -0.2
			21 P. +0.11 +0.6
			24 Fk. +0.07 +0.5
			25 P. +0.10 +0.4 E.
			1909 Mar. 26 P. +0.08 +1.2 W.
			30 P. +0.16 +1.0
			31 L. +0.12 +0.6
			Apr. 16 P. +0.12 +0.5
			17 L. +0.10 +0.5
			25 P. +0.08 -0.3
			26 M. +0.12 +0.4 W.
			1910 Dec. 19 P. +0.12 +0.3 E.

1911 Feb. 12 P.	s +0.12	" +0.7 E.	1909 Nov. 12 M.	s +0.01	" +0.5 E.	B. D. +8° 2327 $\alpha = 10^h 5^m$ $\delta = +8^\circ 11'$	1910 Dec. 8 P.	s +0.06	" -0.6 E.		
Mean.....	+0.100	+0.44	19 L.	+0.02	-0.4		19 P.	+0.02	-0.4		
Mag. corr.....	-0.003		25 P.	+0.05	+0.6		22 P.	+0.05	-0.6		
	[+0.055][+0.55]		29 P.	+0.07	+0.6	1904 Apr. 5 Ei.Y.	38.66	14.7 W.	1911 Mar. 27 M.	+0.07	+1.2 E.
B. D. +15° 2167			Dec. 1 M.	+0.05	+1.1	14 Ei.Y.	38.66	14.8 W.	Mean.....	+0.027	+0.15
$\alpha = 10^h 2^m$			4 P.	+0.06	+0.8	1905 Mar. 29 Ei.M.	38.66	13.7 E.	Mag. corr.....	-0.005	
$\delta = +15^\circ 38'$			5 M.	+0.04	+0.3	1906 Jan. 24 Ei.Y.	38.58	14.4 W.	B. D. +14° 2217		
1904	s	"	1910 Jan. 26 M.	+0.03	-0.2	Mean.....	38.640	14.40	$\alpha = 10^h 6^m$		
Apr. 5 Ei.Y.	14.70	54.7 W.	May 4 L.	+0.05	+1.4	Mag. corr.....	-0.006		$\delta = +13^\circ 50'$		
14 Ei.Y.	14.62	54.7 W.	Nov. 24 P.	+0.10	+0.8				1904	s	"
1905 Mar. 29 Ei.M.	14.62	53.5 E.	1911 Feb. 12 P.	+0.02	+1.0	λ Hydræ $\alpha = 10^h 5^m 42^s.678$ $\delta = -11^\circ 51' 35''.51$	15.60	56.4 W.	Apr. 2 Ei.Y.	15.58	56.3 W.
1906 Jan. 24 Ei.Y.	14.64	53.7 W.	13 P.	-0.01	+0.6	1903 Nov. 12 Br.	[+0.01]	[+0.5] W.	3 Ei.Y.		
Mean.....	14.645	54.15	Apr. 9 L.	+0.03	+0.3 E.	1905 Jan. 21 Br.	-0.02	-0.3 E.	1905 Feb. 24 Ei.Y.	15.56	56.5 E.
Mag. corr.....	+0.009		Mean.....	+0.043	+0.63	Mar. 28 Br.	+0.07	+0.3 E.	1906 Feb. 23 Ei.Y.	15.63	55.9 W.
B. D. +10° 2112			Mag. corr.....	-0.009		Nov. 20 Br.	-0.01	+0.6 W.	Mean.....	15.592	56.27
$\alpha = 10^h 2^m$			B. D. +19° 2307			23 Br.	+0.04	0.0	Mag. corr.....	+0.019	
$\delta = +10^\circ 29'$			$\alpha = 10^h 3^m$			Dec. 4 Br.	+0.02	+0.2	B. D. +17° 2180		
1904	s	"	$\delta = +19^\circ 1'$			5 Bs.	+0.05	+0.2	$\alpha = 10^h 6^m$		
Apr. 2 Ei.Y.	35.92	16.8 W.	1904 Feb. 6 Ei.Y.	39.18	19.8 W.	7 Br.	+0.04	0.0	$\delta = +17^\circ 46'$		
3 Ei.Y.	35.88	16.3 W.	8 Ei.Y.	39.15	20.0 W.	19 Bs.	-0.06	-0.1	1904	s	"
1905 Feb. 24 Ei.Y.	35.88	16.5 E.	1905 Mar. 31 Ei.Y.	39.20	20.1 E.	21 Bs.	0.00	-0.4	Feb. 23 Ei.R.	21.03	8.1 W.
1906 Feb. 23 Ei.Y.	35.90	16.0 W.	1906 Jan. 10 Ei.Y.	39.16	20.1 W.	29 Hl.	-0.01	+0.1	24 Ei.M.	21.06	7.9 W.
Mean.....	35.895	16.40	Mean.....	39.172	20.00	1906 Feb. 24 Ei.Y.	+0.01	-0.2	1905 Mar. 30 Ei.Y.	21.09	7.8 E.
Mag. corr.....	+0.006		Mag. corr.....	+0.010		Apr. 6 Br.	-0.04	+1.0	1906 Jan. 30 Ei.Y.	21.06	7.1 W.
α Leonis			B. D. +6° 2265			7 Bs.	0.00	0.0	Mean.....	21.060	7.72
$\alpha = 10^h 3^m 2^s.715$			$\alpha = 10^h 4^m$			10 Br.	+0.04	+0.5	Mag. corr.....	-0.007	
$\delta = +12^\circ 27' 21''.71$			$\delta = +6^\circ 39'$			12 Bs.	+0.04	+0.1	B. D. +5° 2301		
1903	s	"	1904 Feb. 22 Ei.M.	0.49	40.3 W.	13 Br.	-0.01	+0.6	$\alpha = 10^h 7^m$		
Nov. 29 L.	+0.01	+0.5 W.	Apr. 4 Ei.Y.	0.46	40.6 W.	16 Bs.	-0.02	+0.2	$\delta = +5^\circ 6'$		
1904 Feb. 23 Ei.R.	+0.03	+1.3	1905 Apr. 8 Ei.Y.	0.48	40.5 E.	17 Br.	+0.01	+0.4	1904	s	"
24 Ei.M.	+0.09	+0.8	1906 Feb. 24 Ei.Y.	0.51	40.5 W.	20 Br.	-0.02	+0.4	Feb. 6 Ei.Y.	36.16	31.7 W.
Mar. 9 Ei.Y.	+0.07	+0.7	Mean.....	0.485	40.47	24 Br.	+0.02	+0.3 W.	8 Ei.Y.	36.14	32.9 W.
15 Ei.Y.	+0.03	+1.0	Mag. corr.....	+0.014		1907 Apr. 21 Hl.	+0.06	-0.4 E.	1905 Mar. 31 Ei.Y.	36.12	33.1 E.
16 Ei.Y.	+0.08	+0.9	B. D. +18° 2326			25 M.	-0.02	+0.6	1906 Jan. 10 Ei.Y.	36.14	32.9 W.
27 Br.	+0.03	+0.3	$\alpha = 10^h 4^m$			Nov. 24 M.	+0.03	+0.2	Mean.....	36.140	32.65
Apr. 11 R.	+0.02	+0.3	$\delta = +18^\circ 41'$			26 Hl.	-0.02	+0.5	Mag. corr.....	-0.009	
13 M.	+0.02	+0.5	1904 Mar. 25 Ei.Y.	39.43	5.0 W.	27 M.	+0.08	...	B. D. +3° 2334		
18 R.	+0.03	+0.9	29 Ei.Y.	39.45	5.8 W.	29 P.	+0.13	0.0	$\alpha = 10^h 8^m$		
19 Br.	-0.02	+1.2	1905 Apr. 1 Ei.M.	39.44	5.7 E.	Dec. 4 M.	+0.04	+0.3	$\delta = +3^\circ 34'$		
22 Br.	+0.03	+0.5 W.	1906 Mar. 5 Ei.Y.	39.44	5.6 W.	6 P.	+0.05	...	1904	s	"
Nov. 21 Br.	+0.04	+1.0 E.	Mean.....	39.440	5.52	11 Hl.	+0.01	...	Feb. 22 Ei.M.	2.94	5.2 W.
30 Br.	+0.06	+1.6	Mag. corr.....	-0.001		12 M.	+0.06	+0.4	23 Ei.R.	2.93	5.5 W.
Dec. 7 Br.	+0.05	-0.1	B. D. +15° 2171			1908 Jan. 19 Hl.	+0.04	...	1905 Apr. 8 Ei.Y.	2.97	6.1 E.
1905 Feb. 17 Ei.Y.	+0.09	+1.0	$\alpha = 10^h 5^m$			Mar. 4 P.	+0.11	+0.2	1906 Feb. 24 Ei.Y.	3.00	4.8 W.
Mar. 30 Ei.Y.	+0.09	+0.4	$\delta = +14^\circ 58'$			7 P.	+0.04	+0.3	Mean.....	2.960	5.40
Apr. 25 Br.	+0.05	+0.6 E.	1904 Apr. 7 Ei.Y.	32.79	30.7 W.	15 Hl.	+0.07	-0.6	Mag. corr.....	+0.008	
1906 Jan. 30 Ei.Y.	+0.08	+0.1 W.	15 Ei.Y.	32.79	31.3 W.	21 P.	-0.03	-0.3	B. D. +9° 2317		
1907 Nov. 27 M.	+0.07	... E.	1905 Mar. 10 Ei.Y.	32.81	30.8 E.	24 Fk.	+0.06	0.0	$\alpha = 10^h 8^m$		
1908 Nov. 26 P.	+0.07	+0.5 W.	1906 Jan. 29 Ei.Y.	32.78	30.6 W.	25 P.	+0.02	+0.5 E.	$\delta = +9^\circ 40'$		
27 L.	+0.08	+1.2	Mean.....	32.792	30.85	25 P.	+0.02	+0.6 W.	1904	s	"
Dec. 1 M.	-0.05	+1.0	Mag. corr.....	-0.006		2 P.	-0.02	+0.1	Mar. 25 Ei.Y.	12.48	51.6 W.
2 P.	+0.06	-0.1	B. D. +15° 2171			3 M.	+0.02	0.0	29 Ei.Y.	12.46	51.9 W.
3 M.	0.00	+0.6	$\alpha = 10^h 5^m$			7 P.	-0.04	+0.2	1905 Apr. 1 Ei.M.	12.41	52.1 E.
7 P.	+0.02	+0.6	$\delta = +14^\circ 58'$			8 L.	+0.07	0.0			
8 L.	+0.07	+0.9	1904 Apr. 7 Ei.Y.	32.79	30.7 W.	9 M.	-0.01	+0.5			
9 M.	+0.06	+0.2	15 Ei.Y.	32.79	31.3 W.	1909 Mar. 25 M.	+0.06	+1.0			
27 M.	+0.03	+0.1	1905 Mar. 10 Ei.Y.	32.81	30.8 E.	26 P.	+0.07	+0.2			
28 P.	+0.01	+0.5	1906 Jan. 29 Ei.Y.	32.78	30.6 W.	31 L.	-0.02	+0.4			
1909 Mar. 25 M.	+0.06	+0.7 W.	Mean.....	32.792	30.85	Apr. 16 P.	+0.05	-0.4			
Nov. 10 M.	[+0.02][+0.4] E.		Mag. corr.....	-0.006		25 P.	-0.02	-0.9			

1906 Mar. 5 Ei.Y. 12.46 53.4 W. Mean..... 12.452 52.25 Mag. corr..... +0.006 B. D. +11° 2190 $\alpha = 10^h 8^m$ $\delta = +11^\circ 20'$ 1904 Apr. 7 Ei.Y. 31.03 14.1 W. 15 Ei.Y. 31.08 14.3 W. 1905 Mar. 10 Ei.Y. 31.08 14.0 E. 1906 Jan. 29 Ei.Y. 31.03 14.4 W. Mean..... 31.055 14.20 Mag. corr..... -0.001 B. D. +16° 2098 $\alpha = 10^h 9^m$ $\delta = +16^\circ 38'$ 1904 Apr. 5 Ei.Y. 6.51 5.5 W. 14 Ei.Y. 6.55 5.9 W. 1905 Mar. 29 Ei.M. 6.52 4.1 E. 1906 Jan. 24 Ei.Y. 6.50 4.8 W. Mean..... 6.520 5.07 Mag. corr..... +0.008 B. D. +6° 2276 $\alpha = 10^h 9^m$ $\delta = +6^\circ 14'$ 1904 Apr. 2 Ei.Y. 29.90 47.0 W. 3 Ei.Y. 29.85 47.1 W. 1905 Feb. 24 Ei.Y. 29.85 47.6 E. 1906 Feb. 23 Ei.Y. 29.88 47.4 W. Mean..... 29.870 47.27 Mag. corr..... -0.001 B. D. +12° 2177 $\alpha = 10^h 9^m$ $\delta = +12^\circ 10'$ 1904 Feb. 23 Ei.R. 49.80 15.9 W. 24 Ei.M. 49.73 15.2 W. 1905 Mar. 30 Ei.Y. 49.80 15.9 E. 1906 Jan. 30 Ei.Y. 49.83 15.7 W. Mean..... 49.790 15.67 Mag. corr..... +0.008 B. D. +7° 2266 $\alpha = 10^h 10^m$ $\delta = +7^\circ 25'$ 1904 Feb. 6 Ei.Y. 27.89 23.3 W. 8 Ei.Y. 27.86 24.9 W. 1905 Mar. 31 Ei.Y. 27.94 24.5 E. 1906 Jan. 29 Ei.Y. 27.86 24.3 W. Mean..... 27.888 24.25 Mag. corr..... -0.010	32 Ursae Majoris $\alpha = 10^h 10^m 46^s.530$ $\delta = +65^\circ 36' 26''.20$ 1905 Nov. 20 Br. +0.05 +0.2 W. Dec. 5 Bs. -0.02 +0.5 7 Br. -0.06 +0.6 21 Bs. -0.07 +0.2 27 Hl. -0.02 -0.7 W. 1907 Apr. 18 M. +0.03 -0.2 E. 20 P. -0.05 +0.5 Dec. 12 M. +0.09 +0.3 1908 Mar. 7 P. -0.06 +0.4 13 M. +0.01 0.0 E. Mean..... -0.010 +0.18 Mag. corr..... -0.006 32 Ursae Majoris s. p. $\alpha = 10^h 10^m 46^s.555$ $\delta = +65^\circ 36' 26''.23$ 1903 Nov. 4 R. -0.11 ... W. 1904 Sept. 23 M. -0.05 +0.4 E. 26 M. -0.09 -0.5 Oct. 7 Br. -0.04 +0.9 27 Y. -0.02 -0.1 29 Y. -0.02 -0.5 31 M. -0.02 -0.2 E. 1905 Sept. 25 Bs. -0.23 +0.2 W. 29 Bs. -0.28 -1.3 Oct. 13 Br. +0.08 +0.4 23 Hl. -0.06 +0.6 W. Mean..... -0.076 -0.01 Mag. corr..... -0.006 B. D. +18° 2338 $\alpha = 10^h 10^m$ $\delta = +18^\circ 14'$ 1904 Feb. 22 Ei.M. 49.29 17.2 W. 24 Ei.M. 49.36 17.4 W. 1905 Apr. 8 Ei.Y. 49.36 16.7 E. 1906 Feb. 24 Ei.Y. 49.31 16.9 W. Mean..... 49.330 17.05 Mag. corr..... +0.016 λ Ursae Majoris $\alpha = 10^h 11^m 4^s.033$ $\delta = +43^\circ 24' 49''.71$ 1903 Nov. 10 R. [-0.03] [+0.5] W. 11 L. [-0.09] [-0.1] 22 L. -0.09 0.0 29 L. -0.03 +0.5 1906 Apr. 13 Br. -0.01 +0.1 W. 1907 Apr. 25 M. -0.08 -0.2 E. Nov. 26 Hl. -0.07 +0.8 29 P. +0.08 +0.7 Dec. 6 P. +0.05 -0.2 11 Hl. -0.03 +0.3 E. Mean..... -0.022 +0.25 Mag. corr..... -0.001	ζ Leonis $\alpha = 10^h 11^m 7^s.812$ $\delta = +23^\circ 54' 56''.59$ 1903 Nov. 20 Br. 0.00 -0.4 W. 1904 Mar. 1 Ei.M. +0.04 +0.4 27 Br. +0.09 +0.2 Apr. 2 Ei.Y. +0.02 +0.4 3 Ei.Y. -0.02 +0.5 11 R. +0.01 -0.2 16 Ei.Y. 0.00 +0.6 20 Ei.Y. -0.01 +0.4 May 2 Ei.Y. +0.01 +0.5 W. Dec. 19 Br. +0.01 0.0 E. 1905 Jan. 21 Br. +0.02 -0.5 Apr. 13 Ei.Y. -0.03 +1.1 E. 1906 Jan. 10 Ei.Y. +0.01 +0.2 W. Feb. 23 Ei.Y. +0.06 +0.1 Apr. 7 Bs. +0.04 +0.5 12 Bs. +0.05 +0.7 17 Br. -0.01 +0.2 24 Br. +0.02 +0.6 W. 1907 Apr. 21 Hl. +0.02 -0.4 E. Nov. 24 M. +0.05 +0.2 27 M. +0.06 ... Dec. 8 M. 0.00 ... 1908 Jan. 19 Hl. 0.00 ... E. 1909 Mar. 17 L. +0.04 -0.2 W. 20 L. +0.06 +0.3 26 P. 0.00 +1.2 30 P. +0.01 +0.9 31 L. 0.00 +0.6 Apr. 16 P. +0.06 0.0 25 P. +0.02 -0.3 26 M. -0.01 +0.7 30 P. +0.02 0.0 W. Nov. 10 M. [+0.02] [-0.5] E. 12 M. [0.00] [-0.4] 19 L. -0.01 -0.9 25 P. -0.02 +0.2 29 P. -0.02 -0.2 Dec. 1 M. -0.02 +0.4 2 P. -0.03 -0.2 1910 Feb. 22 P. 0.00 -0.2 Mar. 22 P. +0.02 -0.1 23 L. +0.04 +0.5 Apr. 30 L. 0.00 +0.1 May 4 L. -0.02 +1.0 Nov. 22 L. 0.00 +0.2 Dec. 20 L. +0.01 -0.3 1911 Feb. 13 P. -0.01 0.0 Mar. 27 M. +0.06 +0.9 Apr. 9 L. +0.10 +0.6 E. Mean..... +0.016 +0.23 Mag. corr..... -0.004 B. D. +14° 2228 $\alpha = 10^h 11^m$ $\delta = +14^\circ 13'$ 1904 Mar. 25 Ei.Y. 18.74 36.9 W. 29 Ei.Y. 18.70 38.0 W. 1905 Apr. 1 Ei.M. 18.71 38.0 E. 1906 Mar. 5 Ei.Y. 18.79 38.9 W. Mean..... 18.735 37.95 Mag. corr..... -0.007	B. D. +8° 2336 $\alpha = 10^h 11^m$ $\delta = +8^\circ 44'$ 1904 Apr. 7 Ei.Y. 39.51 40.1 W. 15 Ei.Y. 39.52 39.9 W. 1905 Mar. 10 Ei.Y. 39.49 40.0 E. 1906 Jan. 29 Ei.Y. 39.46 40.1 W. Mean..... 39.495 40.02 Mag. corr..... -0.010 22 Sextantis $\alpha = 10^h 12^m 39^s.595$ $\delta = -7^\circ 34' 10''.13$ 1906 Apr. 16 Bs. -0.02 +1.2 W. 20 Br. +0.03 +1.7 23 Bs. -0.04 +0.6 W. 1907 Dec. 20 P. -0.01 +0.7 E. 24 P. -0.11 -0.1 1908 Jan. 19 Hl. -0.01 +0.5 Mar. 4 P. +0.01 +2.4 E. Nov. 26 P. +0.03 +0.8 W. 27 L. +0.03 +1.4 Dec. 1 M. +0.02 +1.5 W. Mean..... -0.007 +1.07 Mag. corr..... -0.002 B. D. +13° 2237 $\alpha = 10^h 13^m$ $\delta = +13^\circ 7'$ 1904 Apr. 5 Ei.Y. 2.33 21.5 W. 14 Ei.Y. 2.34 21.7 W. 1905 Mar. 29 Ei.M. 2.36 21.0 E. 1906 Jan. 24 Ei.Y. 2.36 20.8 W. Mean..... 2.348 21.25 Mag. corr..... +0.010 B. D. +13° 2345 $\alpha = 10^h 13^m$ $\delta = +13^\circ 12'$ 1904 Apr. 16 Ei.Y. 31.50 26.6 W. 20 Ei.Y. 31.48 26.7 W. 1905 Feb. 24 Ei.Y. 31.50 26.1 E. 1906 Feb. 23 Ei.Y. 31.49 25.9 W. Mean..... 31.492 26.32 Mag. corr..... +0.016 138 B. Ursae Majoris $\alpha = 10^h 14^m$ $\delta = +54^\circ 43'$ 1904 Nov. 21 Br. 3.09 9.4 E. 30 Br. 3.17 8.6 Dec. 7 Br. 3.20 8.3 1905 Apr. 25 Br. 3.07 8.7 E. Nov. 23 Br. 3.03 8.2 W. Dec. 4 Br. 3.07 7.4 19 Bs. 3.06 8.1 W.
--	--	---	--

1908			1910			1908			1904		
Mar. 15 Hl.	3.13	7.9 E.	Jan. 26 M.	+0.08	-0.2 E.	Nov. 6 P.	+0.30	+0.1 W.	Mar. 1 Ei.M.	27.73	47.9 W.
Dec. 3 M.	3.11	7.6 W.	27 P.	+0.06	-0.9				Apr. 16 Ei.Y.	27.72	48.3
7 P.	3.06	7.8 W.				Mean.....	+0.005	+0.27	20 Ei.Y.	27.68	48.1 W.
Mean.....	3.099	8.20	Apr. 9 L.	+0.05	+0.8 E.	Mag. corr.....	-0.005		Dec. 19 Br.	27.66	48.0 E.
Mag. corr.....	+0.015		Mean.....	+0.038	+0.20				1905		
B. D. +10° 2139			Mag. corr.....	+0.004		B. D. +4° 2313			Jan. 21 Br.	27.71	47.9
$\alpha = 10^h 14^m$						$\alpha = 10^h 15^m$			Feb. 24 Ei.Y.	27.72	48.0 E.
$\delta = +10^\circ 25'$			B. D. +8° 2348			$\delta = +4^\circ 7'$			Dec. 5 Bs.	27.68	47.2 W.
			$\alpha = 10^h 15^m$						7 Br.	27.68	48.3
			$\delta = +8^\circ 11'$						21 Bs.	27.59	47.8
									1906		
1904			1904			1904			Mar. 10 Ei.Y.	27.69	48.2 W.
Feb. 23 Ei.R.	10.10	19.6 W.	Feb. 6 Ei.Y.	3.96	29.3 W.	Mar. 29 Ei.Y.	19.73	32.8 W.	1907		
24 Ei.M.	10.09	19.8 W.	8 Ei.Y.	3.90	30.3 W.	Apr. 3 Ei.Y.	19.76	33.4 W.	Apr. 24 P.	27.73	47.4 E.
1905						1905			1908		
Mar. 30 Ei.Y.	10.14	19.5 E.	1905			Apr. 1 Ei.M.	19.74	32.8 E.	Mar. 13 M.	27.65	47.3
1906			Mar. 31 Ei.Y.	3.88	30.8 E.	1906			14 P.	27.64	47.8 E.
Jan. 30 Ei.Y.	10.08	19.0 W.	1906			Mar. 5 Ei.Y.	19.75	33.4 W.	Mean.....	27.686	47.82
Mean.....	10.102	19.47	Jan. 29 Ei.Y.	3.86	30.3 W.	Mean.....	19.745	33.10	Mag. corr.....	+0.020	
Mag. corr.....	+0.001		Mean.....	3.900	30.17	Mag. corr.....	-0.006				
γ Leonis (pr.)			Mag. corr.....	-0.008							
$\alpha = 10^h 14^m 27^s.771$						B. D. +5° 2321					
$\delta = +20^\circ 20' 49''.84$			B. D. +12° 2193			$\alpha = 10^h 15^m$					
			$\alpha = 10^h 15^m$			$\delta = +5^\circ 9'$					
			$\delta = +11^\circ 51'$								
1903											
Nov. 11 L.	[+0.07]	[+0.2] W.	1904			1904					
12 Br.	[+0.05]	[+0.7]	Feb. 22 Ei.M.	7.27	19.1 W.	Apr. 7 Ei.Y.	30.46	2.0 W.	1904		
20 Br.	+0.03	-0.3	Apr. 2 Ei.Y.	7.33	19.8 W.	15 Ei.Y.	30.43	1.8 W.	Feb. 23 Ei.R.	35.14	15.8 W.
22 L.	+0.02	0.0	1905			1905			24 Ei.M.	35.08	15.6 W.
26 Br.	+0.01	+0.4	Apr. 8 Ei.Y.	7.32	19.5 E.	Mar. 10 Ei.Y.	30.45	2.2 E.	1905		
29 L.	+0.04	+0.6	1906			Feb. 23 Ei.Y.	30.38	2.7 W.	Mar. 30 Ei.Y.	35.15	16.3 E.
30 Br.	+0.07	-0.3	Feb. 24 Ei.Y.	7.33	19.2 W.	Mean.....	30.430	2.17	1906		
Dec. 7 Br.	+0.08	-0.2	Mean.....	7.312	19.40	Mag. corr.....	-0.002		Jan. 30 Ei.Y.	35.10	15.0 W.
9 Br.	+0.02	-0.3	Mag. corr.....	0.000					Mean.....	35.118	15.67
1904						B. D. +3° 2352			Mag. corr.....	+0.001	
Mar. 1 Ei.M.	+0.06	+0.6	29 H. Camelopardalis			$\alpha = 10^h 15^m$					
27 Br.	+0.03	+0.3	$\alpha = 10^h 15^m 8^s.522$			$\delta = +2^\circ 47'$					
28 Ei.Y.	+0.04	+0.3	$\delta = +84^\circ 45' 36''.64$								
Apr. 2 Ei.Y.	+0.05	+0.7	1906								
3 Ei.Y.	+0.06	+0.6	Apr. 7 Bs.	-0.54	(-1.9) W.	1904					
11 R.	+0.05	+0.3	12 Bs.	-0.30	+0.1	Apr. 5 Ei.Y.	52.21	35.0 W.	1906		
13 M.	-0.01	+0.2	17 Br.	-0.66	+0.4	14 Ei.Y.	52.24	35.4 W.	Apr. 13 Br.	-0.37	+0.4 W.
18 R.	+0.05	+0.4	24 Br.	-0.44	+0.4 W.	1905			16 Bs.	-0.32	-0.7
19 Br.	-0.04	+0.8	1907			Mar. 29 Ei.M.	52.26	34.4 E.	23 Bs.	-0.33	-0.5
22 Br.	+0.01	-0.3	Apr. 25 M.	-0.41	0.0 E.	1906			30 Bs.	-0.41	-0.5 W.
May 2 Ei.Y.	+0.12	+0.2 W.	Nov. 24 M.	-0.28	+0.3	Jan. 24 Ei.Y.	52.15	35.2 W.	1907		
1905			1908			Mean.....	52.215	35.00	Dec. 12 M.	-0.27	-0.1 E.
Apr. 13 Ei.Y.	+0.02	+1.6 E.	Mar. 7 P.	-0.14	+1.2	Mag. corr.....	+0.017		20 P.	-0.40	-0.6
1906			21 P.	+0.09	+0.5				24 P.	-0.36	0.0
Jan. 10 Ei.Y.	+0.06	0.0 W.	27 M.	-0.22	+0.6 E.	μ Ursæ Majoris			1908		
Mar. 6 Ei.Y.	+0.06	+0.1	Dec. 2 P.	-0.37	-0.5 W.	$\alpha = 10^h 16^m 22^s.391$			Mar. 15 Hl.	-0.32	+0.1
10 Ei.Y.	+0.08	+0.4 W.	Mean.....	-0.327	+0.33	$\delta = +42^\circ 0' 9''.36$			24 Fk.	-0.41	-0.3 E.
1907			Mag. corr.....	-0.005					Dec. 3 M.	-0.39	0.0 W.
Apr. 18 M.	+0.02	+0.7 E.				1903			Mean.....	-0.358	-0.22
Nov. 27 M.	+0.02	...	29 H. Camelopardalis s. p.			Nov. 10 R.	[-0.01]	[+0.9] W.	Mag. corr.....	+0.002	
Dec. 8 M.	+0.09	...	$\alpha = 10^h 15^m 8^s.611$			1905					
1908			$\delta = +84^\circ 45' 36''.70$			Dec. 29 Hl.	-0.04	0.0 W.			
Mar. 9 M.	+0.03	0.0	1904			1907					
12 Hl.	+0.01	+0.3	Nov. 23 M.	-0.32	+0.3 E.	Apr. 20 P.	-0.08	-0.2 E.			
14 P.	+0.02	+0.8 E.	28 M.	-0.11	+0.7	Nov. 26 Hl.	-0.02	+0.5			
Dec. 8 L.	+0.08	+0.4 W.	30 M.	-0.04	+1.2 E.	29 P.	+0.15	+0.5			
9 M.	-0.05	0.0	1905			Dec. 4 M.	0.00	+0.2			
28 P.	+0.01	+0.4	Sept. 27 Bs.	-0.96	-0.2 W.	6 P.	+0.09	+0.2 E.			
1909			Oct. 12 Bs.	-0.55	+0.5						
Apr. 16 P.	+0.02	-0.2	21 Bs.	+0.18	+0.7	1908					
25 P.	+0.03	-0.4	1906			Nov. 26 P.	0.00	+0.2 W.			
26 M.	0.00	+0.4	July 6 Bs.	+1.16	-0.3 W.	27 L.	+0.01	-0.1			
28 L.	+0.04	+0.1	1907			Dec. 1 M.	-0.02	+1.2 W.			
30 P.	+0.09	-0.3 W.	Oct. 14 M.	-0.10	+0.4 E.	Mean.....	+0.010	+0.28			
Nov. 10 M.	[+0.04]	[+0.2] E.	15 Hl.	+0.33	-0.3	Mag. corr.....	0.000				
12 M.	[+0.03]	[-0.1] E.	16 P.	+0.17	-0.1 E.						
19 L.	+0.02	0.0				42 Leonis					
25 P.	0.00	+0.3				$\alpha = 10^h 16^m$					
29 P.	0.00	-0.3				$\delta = +15^\circ 28'$					
Dec. 1 M.	+0.04	+0.1									
2 P.	+0.11	+0.4				1903					
3 L.	+0.02	+0.1 E.				Dec. 6 R.	27.73	47.3 W.			

B. D. +9° 2344				30 H. Camelopardalis				B. D. +13° 2252				1907			
$\alpha = 10^h 16^m$ $\delta = +9^\circ 28'$				$\alpha = 10^h 18^m$ $\delta = +83^\circ 4'$				$\alpha = 10^h 19^m$ $\delta = +13^\circ 14'$				$\alpha = 10^h 21^m$ $\delta = +11^\circ 49'$			
1904				1903				1904				1904			
Feb. 6 Ei.Y. 57.79 7.8 W.				Nov. 11 L. [54.92] [2.5] W.				Apr. 16 Ei.Y. 38.91 15.1 W.				Apr. 21 Hl. +0.08 -0.2 E.			
8. Ei.Y. 57.86 8.3 W.				20 Br. 54.96 2.6				20 Ei.Y. 38.90 15.2 W.				24 P. +0.04 +2.4			
1905				22 L. 54.89 2.9				1905				Nov. 29 P. +0.08 +0.2			
Mar. 31 Ei.Y. 57.81 8.5 E.				30 Br. 54.54 2.8				Feb. 24 Ei.Y. 38.93 14.7 E.				Dec. 4 M. -0.02 +0.9			
1906				Dec. 7 Br. 55.23 2.5				1906				6 P. +0.08 -0.7			
Jan. 29 Ei.Y. 57.79 8.0 W.				1904				Jan. 29 Ei.Y. 38.86 14.2 W.				8 M. -0.02 ...			
Mean..... 57.812 8.15				Apr. 13 M. 54.88 2.5				Mean..... 38.900 14.80				11 Hl. +0.08 +0.2			
Mag. corr..... +0.012				18 R. 54.60 2.8				Mag. corr..... +0.001				24 P. +0.03 ... E.			
1907				19 Br. 54.47 1.2				B. D. +9° 2351				1908			
Apr. 13 M. 54.88 2.5				22 Br. 54.62 2.5 W.				$\alpha = 10^h 19^m$ $\delta = +9^\circ 17'$				Dec. 28 P. +0.02 0.0 W.			
1908				Apr. 18 M. 54.29 2.8 E.				1904				1909			
Feb. 17 Hl. 55.21 2.5				Mar. 4 P. 54.10 3.3				Feb. 23 Ei.R. 59.06 35.9 W.				Feb. 13 M. +0.06 +1.0			
Mar. 4 P. 54.10 3.3				12 Hl. 54.30 3.4				24 Ei.M. 58.99 35.9 W.				18 P. -0.02 -0.5			
13 M. 54.45 3.5				1909				1905				24 M. +0.02 +1.2			
Nov. 19 L. 54.63 3.4				Nov. 19 L. 54.63 3.4				Mar. 30 Ei.Y. 59.04 36.2 E.				25 P. +0.01 +0.2			
25 P. 54.93 2.9				26 L. 54.71 3.4				1906				27 L. +0.07 +0.3			
26 L. 54.71 3.4				29 P. 55.09 2.9				Jan. 30 Ei.Y. 59.01 35.5 W.				Mar. 2 P. +0.02 -0.2			
29 P. 55.09 2.9				30 L. 54.85 3.1				Mean..... 59.025 35.87				17 L. 0.00 +0.3			
Dec. 1 M. 54.66 3.3				3 L. 54.94 3.1				Mag. corr..... +0.024				20 L. +0.02 +1.0			
3 L. 54.94 3.1				4 P. 55.47 3.5				B. D. +5° 2331				25 M. +0.01 +0.3			
4 P. 55.47 3.5				5 M. 54.80 3.2				$\alpha = 10^h 20^m$ $\delta = +5^\circ 41'$				26 P. -0.01 +0.7			
5 M. 54.80 3.2				10 M. 54.76 3.5				1904				26 M. -0.01 +0.8			
10 M. 54.76 3.5				Nov. 24 P. 54.80 3.4				Feb. 6 Ei.Y. 9.04 3.0 W.				30 P. -0.02 -0.3 W.			
Nov. 24 P. 54.80 3.4				Dec. 2 L. 54.79 3.1				8 Ei.Y. 9.00 3.9 W.				Nov. 10 M. [+0.03] [-0.2] E.			
Dec. 2 L. 54.79 3.1				7 M. 54.90 2.9				1905				12 M. [+0.05] [-0.1]			
7 M. 54.90 2.9				14 M. 54.90 3.8				Mar. 31 Ei.Y. 9.00 4.3 E.				Dec. 17 M. 0.00 +0.8			
14 M. 54.90 3.8				16 L. 55.00 2.4 E.				1906				Nov. 22 L. +0.08 0.0			
16 L. 55.00 2.4 E.				Mean..... 54.777 2.97				Mar. 6 Ei.Y. 8.98 4.0 W.				29 L. +0.04 +1.2			
Mean..... 54.777 2.97				Mag. corr..... -0.001				Mean..... 9.005 3.80				Dec. 8 P. -0.02 +0.6			
Mag. corr..... -0.001				30 H. Camelopardalis s. p.				Mag. corr..... -0.007				22 P. +0.02 -0.4 E.			
30 H. Camelopardalis s. p.				$\alpha = 10^h 18^m$ $\delta = +83^\circ 4'$				B. D. +4° 2328				Mean..... +0.023 +0.27			
1907				1910				$\alpha = 10^h 20^m$ $\delta = +4^\circ 26'$				Mag. corr..... +0.006			
July 8 M. 54.74 2.8 E.				Nov. 24 P. 54.80 3.4				1904				B. D. +12° 2211			
25 Hl. 54.52 3.1				Dec. 2 L. 54.79 3.1				Feb. 22 Ei.M. 57.89 26.7 W.				$\alpha = 10^h 21^m$ $\delta = +11^\circ 49'$			
30 P. 54.63 2.5				7 M. 54.90 2.9				23 Ei.R. 57.85 27.0 W.				1904			
Oct. 30 P. 54.63 1.8				14 M. 54.90 3.8				1905				Mar. 29 Ei.Y. 54.08 33.9 W.			
Nov. 7 M. 54.56 3.1 E.				16 L. 55.00 2.4 E.				Apr. 8 Ei.Y. 57.86 27.3 E.				Apr. 4 Ei.Y. 54.07 34.4 W.			
1908				Mean..... 54.777 2.97				1906				1905			
July 16 P. 54.65 3.8 W.				Mag. corr..... -0.001				Feb. 24 Ei.Y.				Apr. 1 Ei.M. 54.09 33.4 E.			
20 P. 54.29 4.1								Mean..... 57.865 27.00				1906			
Aug. 9 P. 54.73 3.1								Mag. corr..... +0.016				Mar. 5 Ei.Y. 54.10 34.3 W.			
Sept. 15 P. 54.38 3.4												Mean..... 54.085 34.00			
Nov. 13 P. 54.72 2.8 W.												Mag. corr..... +0.016			
1909															
Nov. 22 M. 54.64 2.6 E.															
26 P. 54.55 3.5															
27 L. 54.56 3.4															
29 M. 54.59 3.3															
30 P. 54.37 3.3															
Dec. 1 L. 54.40 3.4															
3 P. 54.42 3.2															
4 L. 54.31 2.8															
8 M. 54.36 3.2															
9 L. 54.40 2.9															
1910															
Nov. 26 L. 54.24 3.5															
Dec. 3 L. 54.55 3.7															
8 M. 54.67 2.7															
12 P. [54.40] [2.8]															
22 M. [54.68] [2.9] E.															
Mean..... 54.518 3.13															
Mag. corr..... -0.001															

B. D. +7° 2306 $\alpha = 10^h 22^m$ $\delta = +7^\circ 43'$			B. D. +17° 2231 $\alpha = 10^h 23^m$ $\delta = +17^\circ 38'$			1908 Nov. 27 L. 0.00 +0.3 W. Dec. 1 M. +0.03 +1.2 W. Mean..... +0.011 +0.09 Mag. corr..... -0.001			9 H. Draconis $\alpha = 10^h 26^m 36^s.267$ $\delta = +76^\circ 13' 41''.46$		
1904			1904			B. D. +8° 2369 $\alpha = 10^h 24^m$ $\delta = +8^\circ 33'$			1903		
Apr. 7 Ei.Y.	11.59	34.5 W.	Feb. 8 Ei.Y.	19.67	38.7 W.	1904			Nov. 11 L.	[-0.06]	[-0.4] W.
15 Ei.Y.	11.60	33.9 W.	Apr. 21 Ei.Y.	19.66	39.2 W.	Apr. 7 Ei.Y.	35.81	23.6 W.	22 L.	-0.08	-0.1
1905			1905			15 Ei.Y.	35.86	23.3 W.	27 R.	-0.05	-0.1
Mar. 10 Ei.Y.	11.58	34.4 E.	Mar. 31 Ei.Y.	19.72	39.6 E.	1905			30 Br.	-0.04	-0.8
1906			1906			Mar. 10 Ei.Y.	35.88	23.2 E.	Dec. 3 R.	-0.18	-0.2
Jan. 29 Ei.Y.	11.53	34.0 W.	Mar. 5 Ei.Y.	19.64	39.4 W.	1906			7 Br.	-0.15	-0.2
Mean.....	11.575	34.20	Mean.....	19.672	39.22	Mar. 6 Ei.Y.	35.84	23.0 W.	9 Br.	-0.13	+0.1 W.
Mag. corr.....	-0.006		Mag. corr.....	+0.010		Mean.....	35.848	23.27	1907		
B. D. +10° 2152 $\alpha = 10^h 22^m$ $\delta = +10^\circ 16'$			B. D. +15° 2206 $\alpha = 10^h 23^m$ $\delta = +14^\circ 51'$			B. D. +7° 2314 $\alpha = 10^h 25^m$ $\delta = +7^\circ 34'$			Apr. 25 M.	-0.20	+0.1 E.
1904			1904			1904			Nov. 24 M.	-0.12	-0.3
Apr. 5 Ei.Y.	22.17	20.8 W.	Feb. 22 Ei.M.	27.80	17.0 W.	Mar. 10 Ei.Y.	35.88	23.2 E.	29 P.	+0.14	+0.3
14 Ei.Y.	22.17	21.8 W.	May 2 Ei.Y.	27.87	17.4 W.	1906			Dec. 4 M.	-0.02	+0.4
1905			1905			Mean.....	35.848	23.27	6 P.	+0.17	+0.4 E.
Mar. 29 Ei.M.	22.15	20.0 E.	Apr. 8 Ei.Y.	27.81	17.2 E.	Mag. corr.....	-0.006		Mean.....	-0.060	-0.03
1906			1906			B. D. +15° 2314 $\alpha = 10^h 25^m$ $\delta = +15^\circ 34'$			Mag. corr.....	+0.001	
Jan. 24 Ei.Y.	22.12	21.0 W.	Feb. 24 Ei.Y.	27.81	17.1 W.	1904			9 H. Draconis s. p. $\alpha = 10^h 26^m 36^s.270$ $\delta = +76^\circ 13' 41''.46$		
Mean.....	22.152	20.90	Mean.....	27.822	17.17	Apr. 5 Ei.Y.	13.75	18.4 W.	1904		
Mag. corr.....	-0.009		Mag. corr.....	+0.010		14 Ei.Y.	13.71	18.9 W.	Sept. 23 M.	-0.14	-0.3 E.
α Antliae $\alpha = 10^h 22^m 34^s.460$ $\delta = -30^\circ 33' 31''.64$			B. D. +3° 2371 $\alpha = 10^h 23^m$ $\delta = +3^\circ 9'$			1905			Oct. 16 Br.	-0.22	+0.3
1906			1904			Mar. 29 Ei.M.	13.66	17.5 E.	27 Y.	0.00	+0.7
Apr. 7 Bs.	+0.07	+1.4 W.	Mar. 29 Ei.Y.	48.48	33.7 W.	1906			29 Y.	-0.14	-0.1
12 Bs.	+0.01	+1.5	Apr. 4 Ei.Y.	48.50	33.6 W.	Jan. 24 Ei.Y.	13.66	18.8 W.	31 M.	-0.14	-0.1 E.
17 Br.	+0.05	+1.8	1905			Mean.....	13.695	18.40	1905		
24 Br.	+0.10	+2.5 W.	Apr. 1 Ei.M.	48.55	33.4 E.	Mag. corr.....	+0.007		Sept. 25 Bs.	-0.21	+0.8 W.
1907			1906			B. D. +2° 2325 $\alpha = 10^h 25^m$ $\delta = +2^\circ 39'$			Oct. 7 Bs.	+0.21	(-3.0)
Dec. 12 M.	-0.01	+1.7 E.	Jan. 29 Ei.Y.	48.50	32.8 W.	1904			13 Br.	-0.02	-0.5
1908			Mean.....	48.508	33.37	Apr. 16 Ei.Y.	21.14	50.6 W.	23 Hl.	-0.32	-0.3
Mar. 14 P.	+0.02	+1.7	Mag. corr.....	+0.005		20 Ei.Y.	21.05	49.6 W.	Dec. 4 Hl.	+0.01	0.0 W.
24 Fk.	+0.04	+1.4	36 Ursae Majoris $\alpha = 10^h 24^m 13^s.709$ $\delta = +56^\circ 29' 35''.91$			1905			Mean.....	-0.097	+0.06
26 M.	+0.04	+1.0	1906			Feb. 24 Ei.Y.	21.10	50.2 E.	Mag. corr.....	+0.001	
Apr. 11 P.	+0.04	+2.3 E.	Apr. 16 Bs.	+0.06	-0.8 W.	1906			B. D. +14° 2255 $\alpha = 10^h 26^m$ $\delta = +14^\circ 39'$		
Dec. 28 P.	+0.09	+1.6 W.	23 Bs.	0.00	-0.4	Mar. 10 Ei.Y.	21.14	50.2 W.	1904		
Mean.....	+0.045	+1.69	30 Bs.	0.00	+0.2	Mean.....	21.108	50.15	Feb. 22 Ei.M.	51.56	2.9 W.
Mag. corr.....	+0.007		May 1 Br.	-0.07	+0.6 W.	Mag. corr.....	+0.010		23 Ei.R.	51.53	2.6 W.
B. D. +15° 2205 $\alpha = 10^h 23^m$ $\delta = +15^\circ 15'$			1908			B. D. +6° 2316 $\alpha = 10^h 25^m$ $\delta = +5^\circ 51'$			1905		
1904			Mar. 13 M.	-0.12	+0.2 E.	1904			Apr. 8 Ei.Y.	51.60	3.3 E.
Apr. 16 Ei.Y.	3.88	53.0 W.	21 P.	-0.04	+0.5	Feb. 23 Ei.R.	48.66	16.5 W.	1906		
20 Ei.Y.	3.88	52.7 W.	25 P.	-0.11	-0.1	24 Ei.M.	48.60	16.3 W.	Feb. 24 Ei.Y.	51.54	2.5 W.
1905			Apr. 11 P.	-0.04	0.0	1905			Mean.....	51.558	2.82
Feb. 24 Ei.Y.	3.84	52.3 E.	12 Fk.	+0.04	-0.1 E.	Mar. 30 Ei.Y.	48.60	16.7 E.	Mag. corr.....	-0.007	
1906			Dec. 3 M.	-0.03	+0.4 W.	1906			B. D. +13° 2271 $\alpha = 10^h 26^m$ $\delta = +13^\circ 25'$		
Mar. 10 Ei.Y.	3.89	52.4 W.	Mean.....	-0.031	+0.05	Jan. 30 Ei.Y.	48.66	16.1 W.	1904		
Mean.....	3.872	52.60	Mag. corr.....	+0.003		Mean.....	48.630	16.40	Apr. 21 Ei.Y.	58.14	60.8 W.
Mag. corr.....	+0.005		29 Sextantis $\alpha = 10^h 24^m 23^s.985$ $\delta = -2^\circ 13' 37''.13$			Mag. corr.....	0.000		May 2 Ei.Y.	58.21	61.2 W.
B. D. +16° 2123 $\alpha = 10^h 23^m$ $\delta = +16^\circ 15'$			1904			B. D. +11° 2239 $\alpha = 10^h 26^m$ $\delta = +11^\circ 40'$			1905		
1904			Apr. 13 M.	+0.03	0.0 W.	1904			Apr. 13 Ei.Y.	58.18	61.2 E.
Feb. 23 Ei.R.	4.64	58.3 W.	19 Br.	-0.07	+0.2	Feb. 6 Ei.Y.	14.87	54.8 W.	1906		
24 Ei.M.	4.56	58.7 W.	22 Br.	+0.04	-0.2 W.	8 Ei.Y.	14.90	54.7 W.	Jan. 29 Ei.Y.	58.16	59.5 W.
1905			1907			1905			Mean.....	58.172	60.68
Mar. 30 Ei.Y.	4.60	58.4 E.	Apr. 18 M.	+0.01	-0.2 E.	Mar. 31 Ei.Y.	14.89	55.4 E.	Mag. corr.....	+0.001	
1906			1908			1906			B. D. +5° 2347 $\alpha = 10^h 27^m$ $\delta = +5^\circ 9'$		
Jan. 30 Ei.Y.	4.56	57.9 W.	Feb. 16 M.	+0.01	0.0	Mar. 5 Ei.Y.	14.90	55.9 W.	1904		
Mean.....	4.590	58.32	Mar. 4 P.	+0.04	-0.3	Mean.....	14.890	55.20	Apr. 7 Ei.Y.	6.86	32.0 W.
Mag. corr.....	+0.009		7 P.	+0.01	+0.5	Mag. corr.....	-0.006		15 Ei.Y.	6.83	31.5 W.
			14 P.	+0.01	-0.6 E.				Mar. 10 Ei.Y.	6.87	31.8 E.

1906			37 Ursae Majoris			1908			37 Leonis Minoris			
Mar. 6	Ei. Y.	6.85 32.0 W.	$\alpha = 10^h 28^m$	Dec. 6	R.	43.44 52.2 W.	$\alpha = 10^h 33^m$	Dec. 1	M.	35.01 8.6 W.	$\delta = +32^\circ 29'$	5 ^h .656 45 ^m .22
Mean.....	6.852	31.82	$\delta = +57^\circ 35'$	1903				Mean.....	35.036	7.96		
Mag. corr.....	+0.009			Dec. 6	R.	43.44 52.2 W.		Mag. corr.....	-0.001			
ρ Leonis				1904				B. D. +9° 2374				
$\alpha = 10^h 27^m 32^s.800$				Dec. 19	Br.	43.61 52.2 E.		$\alpha = 10^h 29^m$				
$\delta = +9^\circ 49' 16''.66$				1905				$\delta = +9^\circ 10'$				
1903				Jan. 21	Br.	43.41 52.7 E.		1904				
Nov. 10	R.	[-0.05] [+0.5] W.		Dec. 5	Bs.	43.47 52.0 W.		Feb. 6	Ei. Y.	47.38 1.5 W.		
12	Br.	[+0.03] [+0.8]		7	Br.	43.42 52.1		8	Ei. Y.	47.42 2.8 W.		
20	Br.	+0.05 -0.1		21	Bs.	43.44 52.8		1905				
29	L.	-0.01 ...		27	Hi.	43.45 51.6		Mar. 31	Ei. Y.	47.39 2.3 E.		
1904				29	Hi.	43.43 52.1 W.		1906				
Mar. 1	Ei. M.	+0.03 +0.5		1907				Mar. 5	Ei. Y.	47.45 2.6 W.		
25	Ei. Y.	-0.02 -0.9		Dec. 11	Hi.	43.51 52.6 E.		Mean.....	47.410	2.30		
27	Br.	0.00 +0.3		25	M.	43.52 51.0 E.		Mag. corr.....	-0.007			
28	Ei. Y.	+0.05 +0.8		Mean.....	43.470 52.13			B. D. +2° 2334				
29	Ei. Y.	+0.01 +0.1		Mag. corr.....	-0.001			$\alpha = 10^h 29^m$				
Apr. 2	Ei. Y.	+0.01 +0.3		B. D. +4° 2351				$\delta = +2^\circ 43'$				
3	Ei. Y.	+0.07 +0.2		$\alpha = 10^h 29^m$				1904				
4	Ei. Y.	+0.04 +0.5		$\delta = +4^\circ 37'$				Feb. 22	Ei. M.	56.79 16.9 W.		
5	Ei. Y.	+0.07 +0.6		1904				Mar. 29	Ei. Y.	56.80 17.0 W.		
11	R.	+0.04 ...		Apr. 16	Ei. Y.	7.45 41.1 W.		1905				
14	Ei. Y.	+0.04 +1.2		20	Ei. Y.	7.34 40.8 W.		Apr. 8	Ei. Y.	56.78 17.0 E.		
16	Ei. Y.	+0.09 +1.0		Feb. 24	Ei. Y.	7.39 40.5 E.		1906				
20	Ei. Y.	+0.01 +0.5 W.		1906				Feb. 24	Ei. Y.	56.76 16.6 W.		
1905				Mar. 10	Ei. Y.	7.43 40.1 W.		Mean.....	56.782 16.87			
Feb. 24	Ei. Y.	+0.04 +0.6 E.		Mean.....	7.402 40.62			Mag. corr.....	+0.015			
Mar. 27	Ei. Y.	-0.04 +0.6		Mag. corr.....	-0.012			B. D. +11° 2252				
29	Ei. M.	+0.05 +0.1		44 Hydræ				$\alpha = 10^h 31^m$				
30	Ei. Y.	+0.03 +1.0 E.		$\alpha = 10^h 29^m$				$\delta = +11^\circ 32'$				
Nov. 23	Br.	-0.03 0.0 W.		$\delta = -23^\circ 13'$				1904				
Dec. 4	Br.	-0.02 +0.9		1904				Apr. 21	Ei. Y.	25.08 33.4 W.		
19	Bs.	-0.04 0.0		Apr. 18	R.	15.51 47.3 W.		May 2	Ei. Y.	25.09 33.2 W.		
1906				19	Br.	15.46 46.6		1905				
Jan. 24	Ei. Y.	+0.03 +0.5		22	Br.	15.49 46.9 W.		Apr. 8	Ei. Y.	25.06 33.6 E.		
Mar. 10	Ei. Y.	+0.08 +0.2		1907				1906				
Apr. 7	Bs.	+0.05 +0.5		Apr. 18	M.	15.48 46.7 E.		Jan. 29	Ei. Y.	25.11 32.8 W.		
12	Bs.	+0.05 +0.6		1908				Mean.....	25.085 33.25			
17	Br.	+0.03 +0.4		Mar. 7	P.	15.54 46.4		Mag. corr.....	-0.008			
19	Bs.	+0.12 +0.4		9	M.	15.50 46.2		B. D. +13° 2280				
24	Br.	-0.03 +0.6 W.		12	Hi.	15.56 45.8		$\alpha = 10^h 31^m$				
1907				21	P.	15.49 46.8 E.		$\delta = +13^\circ 23'$				
Apr. 19	Hi.	+0.01 -0.3 E.		Dec. 2	P.	15.43 46.8 W.		1904				
21	Hi.	0.00 +0.1		7	P.	15.42 45.8 W.		Apr. 7	Ei. Y.	43.14 8.5 W.		
Nov. 26	Hi.	-0.05 +0.1		Mean.....	15.488 46.53			15	Ei. Y.	43.13 7.4 W.		
Dec. 8	M.	+0.01 ...		Mag. corr.....	-0.001			1905				
1908				48 Leonis				Mar. 10	Ei. Y.	43.13 7.2 E.		
Jan. 19	Hi.	+0.04 ...		$\alpha = 10^h 28^m$				1906				
Feb. 17	Hi.	-0.03 +0.6		$\delta = +7^\circ 28'$				Mar. 6	Ei. Y.	43.16 7.3 W.		
Mar. 26	M.	+0.04 -0.6 E.		1904				Mean.....	43.140 7.60			
Dec. 8	L.	-0.01 -0.4 W.		Feb. 23	Ei. R.	35.07 8.4 W.		Mag. corr.....	+0.006			
9	M.	-0.03 -0.1		24	Ei. M.	35.04 7.9 W.		B. D. +10° 2176				
1909				Nov. 30	Br.	35.09 8.8 E.		$\alpha = 10^h 31^m$				
Apr. 25	P.	+0.06 -0.8		Dec. 7	Br.	34.96 7.2		$\delta = +9^\circ 53'$				
28	L.	-0.01 0.0		20	M.	35.09 7.4		1904				
30	P.	-0.01 -0.1 W.		1905				Apr. 5	Ei. Y.	56.93 39.8 W.		
Nov. 25	P.	-0.01 -0.3 E.		Mar. 30	Ei. Y.	35.04 7.7		14	Ei. Y.	56.91 40.0 W.		
29	P.	+0.05 -0.1		Apr. 25	Br.	35.05 8.0 E.		1905				
Dec. 3	L.	-0.01 +0.3		Jan. 30	Ei. Y.	35.02 7.4 W.		Mar. 29	Ei. M.	56.91 39.1 E.		
4	P.	-0.04 +0.4		May 2	Bs.	35.09 8.1		1906				
5	M.	-0.05 -0.4		4	Br.	34.97 7.4 W.		Jan. 24	Ei. Y.	56.90 39.5 W.		
1910				1908				Mean.....	56.912 39.60			
Jan. 26	M.	+0.06 -0.2		Mar. 4	P.	35.02 8.5 E.		Mag. corr.....	-0.006			
Feb. 22	P.	0.00 +0.3		Nov. 26	P.	35.01 8.0 W.		B. D. +15° 2232				
25	P.	-0.01 +0.2		27	L.	35.04 8.1 W.		$\alpha = 10^h 33^m$				
Apr. 30	L.	+0.02 +0.1						$\delta = +15^\circ 15'$				
May 4	L.	+0.02 +0.9						1904				
Dec. 20	L.	+0.03 -0.3						Feb. 6	Ei. Y.	49.96 10.1 W.		
1911								8	Ei. Y.	50.00 10.7 W.		
Feb. 13	P.	-0.04 +0.6 E.						1905				
Mean.....	+0.016	+0.23						Mar. 31	Ei. Y.	49.99 10.9 E.		
Mag. corr.....	-0.005							1906				
								Mar. 5	Ei. Y.	50.05 11.2 W.		
								Mean.....	50.000 10.72			
								Mag. corr.....	+0.001			

B. D. +5° 2374			B. D. +9° 2388			39 Ursae Majoris			1911		
$\alpha = 10^h 35^m$			$\alpha = 10^h 36^m$			$\alpha = 10^h 37^m$			s		
$\delta = +5^\circ 3'$			$\delta = +9^\circ 5'$			$\delta = +57^\circ 43'$			Apr. 9 L. -0.04 -0.2 E.		
10 M. -0.02 -0.3 E.											
Mean..... -0.017 +0.03									Mag. corr..... +0.012		
1904			1904			1904			41 Leonis Minoris		
Feb. 22 Ei.M. 9.45 41.7 W.			Apr. 5 Ei.Y. 9.14 7.1 W.			Mar. 27 Br. 24.68 27.0 W.			$\alpha = 10^h 37^m 58^s.760$		
23 Ei.R. 9.42 42.1 W.			14 Ei.Y. 9.11 7.8 W.			Nov. 30 Br. 24.64 28.2 E.			$\delta = +23^\circ 42' 43''.25$		
1905			1905			Dec. 7 Br. 24.73 27.7			1903		
Apr. 8 Ei.Y. 9.47 42.0 E.			Mar. 10 Ei.Y. 9.15 7.6 E.			20 M. 24.80 27.1			s		
1906			1906			1905			Nov. 10 R. [-0.01] [+0.3] W.		
Feb. 24 Ei.Y. 9.51 41.8 W.			Mar. 6 Ei.Y. 9.14 7.1 W.			Apr. 25 Br. 24.64 27.4			11 L. [-0.03] [-0.3]		
Mean..... 9.462 41.90			Mean..... 9.135 7.40			1908			20 Br. [+0.08] [0.0]		
Mag. corr..... -0.005			Mag. corr..... -0.001			Mar. 24 Fk. 24.74 26.5			27 R. +0.01 +0.3		
						25 P. 24.67 27.4 E.			29 L. +0.04 +0.8		
						Nov. 26 P. 24.68 26.7 W.			30 Br. 0.00 +0.2		
						27 L. 24.66 27.9			Dec. 3 R. 0.00 0.0		
						Dec. 2 P. 24.59 26.5			7 Br. +0.04 -0.2		
						3 M. 24.77 27.2 W.			9 Br. +0.04 -0.2		
						Mean..... 24.691 27.24			1904		
						Mag. corr..... -0.005			Feb. 6 Ei.Y. 0.00 -0.2		
									8 Ei.Y. -0.01 +0.2		
									Mar. 1 Ei.M. +0.03 -0.4		
									4 Ei.Y. +0.04 +0.4		
									Apr. 2 Ei.Y. +0.08 +0.4		
									3 Ei.Y. 0.00 +0.9		
									21 Ei.Y. -0.05 +0.3 W.		
									1905		
									Mar. 25 Ei.M. +0.04 +0.2 E.		
									Dec. 4 Br. +0.03 +0.4 W.		
									19 Br. +0.04 -0.2		
									26 Br. -0.03 +0.2		
									1906		
									Mar. 21 Ei.Y. -0.01 -0.4		
									Apr. 7 Bs. +0.04 +0.5		
									12 Bs. +0.02 +0.2		
									17 Br. -0.02 +0.1		
									19 Bs. +0.03 -0.1		
									24 Br. +0.03 +0.8 W.		
									1907		
									Apr. 21 Hl. -0.03 +0.5 E.		
									24 P. 0.00 +0.8		
									25 M. +0.01 0.0		
									Nov. 26 Hl. -0.08 +0.4		
									29 P. +0.11 +0.7		
									Dec. 4 M. +0.04 +0.4		
									6 P. +0.04 -0.4		
									1908		
									Feb. 17 Hl. -0.03 +0.2		
									Mar. 26 M. +0.04 -0.6 E.		
									1909		
									Apr. 28 L. +0.02 +0.2 W.		
									Dec. 2 P. +0.02 -0.3 E.		
									1910		
									Jan. 26 M. +0.06 +0.2		
									27 P. +0.04 -0.3		
									Feb. 25 P. -0.04 +0.6		
									Mar. 22 P. +0.01 +0.3		
									23 L. +0.01 +0.6		
									Dec. 20 L. -0.02 +0.2		
									1911		
									Feb. 13 P. 0.00 +0.1 E.		
									Mean..... +0.014 +0.17		
									Mag. corr..... +0.001		
									B. D. +5° 2384 (fol.)		
									$\alpha = 10^h 38^m$		
									$\delta = +5^\circ 16'$		
									1904		
									Feb. 22 Ei.M. 9.54 21.9 W.		
									24 Ei.M. 9.47 21.9 W.		
									1905		
									Apr. 8 Ei.Y. 9.53 21.6 E.		

1906 Feb. 24 Ei.Y. 9.49 21.1 W.			1906 Jan. 24 Ei.Y. 1.43 41.8 W.			B. D. +8° 2418 $\alpha = 10^h 43^m$ $\delta = +8^\circ 44'$			1906 Mar. 10 Ei.Y. -0.01 +1.0 W.		
Mean..... 9.508 21.62			Mean..... 1.455 41.67			1904 Apr. 21 Ei.Y. 30.40 56.8 W.			21 Ei.Y. +0.02 -0.1		
Mag. corr..... +0.020			Mag. corr..... -0.010			May 2 Ei.Y. 30.49 57.1 W.			Apr. 2 Ei.Y. -0.03 +1.5		
B. D. +3° 2408 $\alpha = 10^h 40^m$ $\delta = +3^\circ 0'$			B. D. +13° 2302 $\alpha = 10^h 41^m$ $\delta = +13^\circ 16'$			1905 Mar. 10 Ei.Y. 30.49 57.2 E.			16 Bs. +0.06 +1.0		
1904 Apr. 5 Ei.Y. 0.34 50.8 W.			1904 Apr. 7 Ei.Y. 1.90 30.9 W.			1906 Mar. 20 Ei.Y. 30.46 56.7 W.			18 Bs. 0.00 +1.0		
14 Ei.Y. 0.28 51.1 W.			15 Ei.Y. 1.97 30.2 W.			Mean..... 30.460 56.95			23 Bs. 0.00 +0.7		
1905 Apr. 1 Ei.M. 0.30 50.6 E.			1905 Feb. 24 Ei.Y. 1.94 30.2 E.			Mag. corr..... -0.001			27 Br. -0.01 +0.8		
1906 Jan. 29 Ei.Y. 0.27 50.2 W.			1906 Mar. 10 Ei.Y. 1.95 30.7 W.			B. D. +2° 2359 $\alpha = 10^h 43^m$ $\delta = +1^\circ 55'$			30 Bs. -0.01 +0.6		
Mean..... 0.298 50.67			Mean..... 1.940 30.50			1904 Apr. 7 Ei.Y. 40.36 51.9 W.			May 1 Br. -0.01 +1.0 W.		
Mag. corr..... +0.016			Mag. corr..... +0.014			15 Ei.Y. 40.34 53.6 W.			1907 Apr. 19 Hl. -0.01 0.0 E.		
42 Leonis Minoris $\alpha = 10^h 40^m 18^s.349$ $\delta = +31^\circ 12' 32''.37$			B. D. +14° 2294 $\alpha = 10^h 41^m$ $\delta = +14^\circ 43'$			1905 Mar. 27 Ei.Y. 40.40 53.0 E.			20 P. -0.02 +0.5		
1905 Apr. 16 Br. -0.02 +0.3 E.			1904 Feb. 24 Ei.M. 7.49 21.9 W.			1906 Jan. 24 Ei.Y. 40.35 54.3 W.			21 Hl. -0.03 +0.2		
Dec. 5 Bs. +0.05 -0.5 W.			Mar. 4 Ei.Y. 7.56 W.			Mean..... 40.362 53.20			May 4 P. 0.00 -0.2		
7 Br. +0.01 0.0			1905 Mar. 30 Ei.Y. 7.55 22.1 E.			/ Leonis $\alpha = 10^h 44^m 0^s.119$ $\delta = +11^\circ 4' 27''.47$			1908 Jan. 19 Hl. -0.02 +0.4		
21 Bs. -0.01 0.0			1906 Jan. 30 Ei.Y. 7.52 22.0 W.			1903 Nov. 20 Br. [-0.02] [+0.7] W.			Mar. 9 M. -0.02 ...		
1906 May 2 Bs. -0.05 0.0			Mean..... 7.530 22.00			26 Br. +0.03 +1.5			12 Hl. -0.06 ...		
4 Br. -0.06 +0.5 W.			B. D. +11° 2277 $\alpha = 10^h 41^m$ $\delta = +11^\circ 42'$			27 R. -0.02 +1.0			14 P. -0.02 +0.3		
1907 Apr. 19 Hl. +0.02 +0.2 E.			1904 Apr. 5 Ei.Y. 20.67 52.1 W.			29 L. -0.01 +0.4			26 M. -0.04 0.0		
Dec. 8 M. +0.02 +0.2			14 Ei.Y. 20.74 52.3 W.			30 Br. +0.05 +1.5			Apr. 11 P. +0.05 +1.3 E.		
12 M. 0.00 -0.1			1905 Mar. 31 Ei.Y. 20.76 51.9 E.			3 R. -0.02 +1.0			1909 Apr. 28 L. -0.03 +0.1 W.		
27 P. +0.02 +0.9 E.			1906 Mar. 5 Ei.Y. 20.71 52.0 W.			6 R. -0.01 +0.4			Dec. 2 P. -0.01 +0.6 E.		
1908 Dec. 8 L. +0.04 -0.2 W.			Mean..... 20.720 52.07			7 Br. +0.03 +0.6			1910 Dec. 20 L. -0.03 +0.8		
9 M. +0.02 -0.1 W.			Mag. corr..... -0.001			9 Br. -0.03 +1.6			22 P. -0.04 +0.3 E.		
Mean..... +0.003 +0.10			B. D. +5° 2394 $\alpha = 10^h 41^m$ $\delta = +5^\circ 10'$			1904 Feb. 6 Ei.Y. -0.02 +0.4			Mean..... -0.004 +0.78		
Mag. corr..... -0.003			1904 Apr. 16 Ei.Y. 0.00 +1.2 W.			8 Ei.Y. +0.03 +0.7			Mag. corr..... -0.002		
37 Sextantis $\alpha = 10^h 40^m 53^s.308$ $\delta = +6^\circ 54' 0''.56$			20 Ei.Y. -0.02 +0.6 W.			1 Ei.M. +0.06 +0.7			Hydrae $\alpha = 10^h 44^m 41^s.462$ $\delta = -15^\circ 40' 10''.60$		
1904 Apr. 16 Ei.Y. 0.00 +1.2 W.			1905 Mar. 10 Ei.Y. +0.01 +1.0 E.			4 Ei.Y. +0.03 ...			1903 Nov. 10 R. [+0.03] [+0.5] W.		
20 Ei.Y. -0.02 +0.6 W.			1906 Mar. 6 Ei.Y. -0.01 +1.3 W.			5 Ei.Y. +0.02 +1.4			1904 Mar. 27 Br. +0.04 +0.1 W.		
1905 Mar. 10 Ei.Y. +0.01 +1.0 E.			Apr. 16 Bs. +0.04 +0.8			11 R. -0.05 +1.0			1907 Dec. 12 M. +0.05 +0.5 E.		
1906 Mar. 6 Ei.Y. -0.01 +1.3 W.			18 Bs. +0.01 +1.1			13 M. -0.02 +0.8			25 M. +0.02 -0.2		
Apr. 16 Bs. +0.04 +0.8			23 Bs. -0.01 +0.9			14 Ei.Y. +0.04 +1.8			27 P. +0.13 -0.1 E.		
23 Bs. -0.01 +0.9			30 Bs. +0.03 +0.1			18 R. +0.04 +1.2			1908 Nov. 27 L. +0.10 +0.6 W.		
May 1 Br. -0.04 +1.3 W.			1907 Apr. 18 M. +0.04 +1.0 E.			19 Br. -0.04 +2.0			Dec. 2 P. +0.09 +0.2		
1907 Apr. 18 M. +0.04 +1.0 E.			Nov. 29 P. +0.08 +1.2			22 Br. 0.00 +1.7			3 M. +0.09 +0.2		
Nov. 29 P. +0.08 +1.2			Dec. 4 M. +0.08 +1.5			May 4 M. -0.06 +0.8			7 P. +0.03 +0.4 W.		
Dec. 4 M. +0.08 +1.5			11 P. +0.10 +0.5			7 M. +0.03 +0.6 W.			1909 Nov. 26 L. +0.10 +0.5 E.		
11 Hl. 0.00 +0.3 E.			Mean..... +0.022 +0.91			Nov. 28 Br. +0.02 0.0 E.			1910 Nov. 29 L. +0.11 +0.5		
Mag. corr..... +0.019			B. D. +7° 2358 $\alpha = 10^h 42^m$ $\delta = +6^\circ 52'$			30 Br. -0.01 (+3.4)			Dec. 2 L. +0.13 0.0		
B. D. +10° 2200 $\alpha = 10^h 41^m$ $\delta = +10^\circ 2'$			1904 Apr. 16 Ei.Y. 7.19 26.6 W.			Dec. 7 Br. -0.06 +0.3			8 P. -0.01 -0.7		
1904 Apr. 21 Ei.Y. 1.43 42.0 W.			20 Ei.Y. 7.11 27.0 W.			19 Br. +0.01 +1.2			14 M. +0.07 -0.5 E.		
May 2 Ei.Y. 1.45 41.9 W.			1905 Apr. 1 Ei.M. 7.15 26.8 E.			20 M. 0.00 +0.6			Mean..... +0.073 +0.12		
1905 Mar. 27 Ei.Y. 1.51 41.0 E.			1906 Jan. 29 Ei.Y. 7.13 26.4 W.			1905 Jan. 21 Br. +0.03 +0.3			Mag. corr..... -0.001		
			Mean..... 7.145 26.70			Feb. 24 Ei.Y. +0.03 +0.6			B. D. +4° 2388 $\alpha = 10^h 45^m$ $\delta = +4^\circ 7'$		
			Mag. corr..... +0.012			Mar. 25 Ei.M. -0.03 +0.5			1904 Feb. 23 Ei.R. 46.94 14.3 W.		
						Apr. 1 Ei.M. -0.01 +0.8			24 Ei.M. 46.91 14.2 W.		
						8 Ei.Y. +0.02 +1.0			1905 Mar. 30 Ei.Y. 46.97 14.7 E.		
						25 Br. -0.02 +0.7 E.			1906 Jan. 30 Ei.Y. 46.99 13.9 W.		
						Dec. 4 Br. -0.07 +0.6 W.			Mean..... 46.952 14.27		
						5 Bs. +0.04 +0.2			Mag. corr..... +0.010		
						7 Br. 0.00 +1.5					
						19 Bs. +0.02 +1.0					
						26 Br. -0.02 +0.8					
						1906 Jan. 29 Ei.Y. -0.03 +0.6					
						Feb. 24 Ei.Y. +0.04 +1.0					
						Mar. 9 Ei.Y. 0.00 +1.0 W.					

B. D. +12° 2266 $\alpha = 10^h 45^m$ $\delta = +12^\circ 6'$			1905 Feb. 24 Ei.Y. 25.35 5.7 E. 1906 Mar. 10 Ei.Y. 25.29 5.7 W. Mean..... 25.332 6.02 Mag. corr..... -0.001			1905 Apr. 8 Ei.Y. 1.59 14.3 E. 1906 Feb. 24 Ei.Y. 1.58 12.4 W. Mean..... 1.585 13.62 Mag. corr..... +0.006			B. D. +6° 2369 $\alpha = 10^h 50^m$ $\delta = +6^\circ 43'$		
1904 Apr. 16 Ei.Y. 53.10 35.2 W. 20 Ei.Y. 53.08 35.1 W.			B. D. +0° 2710 $\alpha = 10^h 47^m$ $\delta = +0^\circ 19'$			54 Leonis $\alpha = 10^h 50^m$ $\delta = +25^\circ 16'$			1904 Mar. 4 Ei.Y. 49.99 ... W. Apr. 4 Ei.Y. 49.92 9.4 W.		
1905 Mar. 31 Ei.Y. 53.11 35.5 E. 1906 Mar. 5 Ei.Y. 53.06 36.0 W. Mean..... 53.088 35.45 Mag. corr..... +0.014			1904 Feb. 23 Ei.R. 28.72 49.1 W. 24 Ei.M. 28.73 48.9 W. 1905 Mar. 30 Ei.Y. 28.73 49.3 E. 1906 Jan. 30 Ei.Y. 28.76 48.9 W. Mean..... 28.735 49.05 Mag. corr..... +0.016			1903 Nov. 10 R. [11.96] [60.2] W. 20 Br. [12.01] [59.8] 26 Br. 11.99 59.4 27 R. 11.99 59.4 29 L. 12.01 60.0 30 Br. 12.02 59.0 Dec. 3 R. 11.98 59.3 6 R. 12.00 59.1 7 Br. 11.98 59.1 9 Br. 11.96 59.6 11 Br. 11.98 59.0			Mean..... 49.955 8.97 Mag. corr..... +0.023		
B. D. +7° 2375 $\alpha = 10^h 45^m$ $\delta = +7^\circ 17'$			46 Leonis Minoris $\alpha = 10^h 47^m 43^s.308$ $\delta = +34^\circ 45' 13''.07$			B. D. +1° 2502 $\alpha = 10^h 51^m$ $\delta = +0^\circ 58'$			1904 Apr. 5 Ei.Y. 2.80 0.6 W. 14 Ei.Y. 2.81 1.0 W.		
1904 Feb. 22 Ei.M. 59.21 37.3 W. Mar. 4 Ei.Y. 59.29 ... W. 1905 Apr. 8 Ei.Y. 59.26 37.3 E. 1906 Feb. 24 Ei.Y. 59.22 37.2 W. Mean..... 59.245 37.27 Mag. corr..... -0.003			1903 Nov. 22 L. [+0.02] [+0.3] W. 1904 Dec. 7 Br. +0.03 -0.2 E. 20 M. +0.04 -0.3 1905 Apr. 16 Br. +0.02 +0.3 25 Br. +0.03 +0.2 E. Dec. 5 Bs. -0.03 +0.1 W. 7 Br. +0.05 +0.6 19 Bs. +0.02 0.0 21 Bs. -0.10 -0.2 W. 1907 Nov. 29 P. +0.09 -0.5 E. Mean..... +0.017 0.00 Mag. corr..... -0.010			1904 Mar. 27 Br. 11.99 59.1 Apr. 11 R. 12.01 59.4 13 M. 11.97 59.3 18 R. 12.06 59.4 19 Br. 12.03 59.4 22 Br. 11.97 59.6 May 4 M. 11.96 59.9 5 R. 11.98 59.4 7 M. 12.00 59.4 1906 Apr. 16 Bs. 12.03 59.2 W. 1907 Apr. 20 P. 11.93 59.4 E. 21 Hl. 12.03 59.6 24 P. 11.99 59.9 May 4 P. 11.99 59.6 Dec. 4 M. 11.96 60.2 E. Mean..... 11.992 59.45 Mag. corr..... +0.004			Mean..... 2.805 0.52 Mag. corr..... +0.013		
B. D. +9° 2418 $\alpha = 10^h 46^m$ $\delta = +9^\circ 40'$			B. D. +57° 1296 $\alpha = 10^h 48^m$ $\delta = +57^\circ 15'$			B. D. +14° 2319 $\alpha = 10^h 51^m$ $\delta = +14^\circ 5'$			1904 Feb. 23 Ei.R. 28.25 32.9 W. 24 Ei.M. 28.25 33.1 W.		
1904 Apr. 21 Ei.Y. 4.95 49.3 W. May 2 Ei.Y. 4.97 49.5 W. 1905 Apr. 1 Ei.M. 4.96 49.3 E. 1906 Apr. 2 Ei.Y. 4.91 49.7 W. Mean..... 4.948 49.45 Mag. corr..... +0.003			1907 Dec. 25 M. 11.53 43.2 E. 1908 Jan. 19 Hl. 11.55 42.6 E. Mean..... 11.540 42.90 Mag. corr..... -0.006			1904 Apr. 16 Ei.Y. 33.84 13.2 W. May 2 Ei.Y. 33.82 13.6 W. 1905 Apr. 1 Ei.M. 33.77 13.2 E. 1906 Mar. 21 Ei.Y. 33.79 12.6 W. Mean..... 33.805 13.15 Mag. corr..... -0.010			Mean..... 28.255 33.08 Mag. corr..... -0.001		
B. D. +8° 2422 (fol.) $\alpha = 10^h 46^m$ $\delta = +7^\circ 59'$			B. D. +3° 2429 $\alpha = 10^h 48^m$ $\delta = +3^\circ 11'$			B. D. -0° 2392 $\alpha = 10^h 51^m$ $\delta = -0^\circ 38'$			1904 Apr. 16 Ei.Y. 33.97 2.2 W. 20 Ei.Y. 33.92 2.7 W.		
1904 Apr. 7 Ei.Y. 57.88 34.9 W. 15 Ei.Y. 57.86 33.1 W. 1905 Mar. 10 Ei.Y. 57.78 34.8 E. 1906 Mar. 20 Ei.Y. 57.86 35.2 W. Mean..... 57.845 34.50 Mag. corr..... +0.001			1904 Apr. 16 Ei.Y. 42.54 26.9 W. 20 Ei.Y. 42.52 26.6 W. 1905 Mar. 31 Ei.Y. 42.56 26.9 E. 1906 Mar. 5 Ei.Y. 42.52 27.2 W. Mean..... 42.535 26.90 Mag. corr..... -0.003			1904 Apr. 7 Ei.Y. 35.95 23.7 W. 15 Ei.Y. 36.00 23.1 W. 1905 Mar. 10 Ei.Y. 35.96 23.6 E. 1906 Mar. 20 Ei.Y. 35.97 23.4 W. Mean..... 35.970 23.45 Mag. corr..... -0.010			Mean..... 33.948 2.68 Mag. corr..... -0.001		
B. D. +1° 2495 $\alpha = 10^h 47^m$ $\delta = +1^\circ 33'$			B. D. +13° 2322 $\alpha = 10^h 49^m$ $\delta = +12^\circ 54'$			6 H ¹ . Draconis $\alpha = 10^h 51^m 57^s.623$ $\delta = +78^\circ 18' 21''.08$			1905 Dec. 4 Br. -0.19 +0.5 W. 26 Br. +0.06 +0.5		
1904 Mar. 4 Ei.Y. 5.45 ... W. Apr. 4 Ei.Y. 5.41 21.9 W. 1905 Mar. 27 Ei.Y. 5.52 21.6 E. 1906 Jan. 24 Ei.Y. 5.44 22.0 W. Mean..... 5.455 21.83 Mag. corr..... +0.020			1904 Feb. 22 Ei.M. 1.57 13.8 W. 23 Ei.R. 1.60 14.0 W.			1906 Apr. 7 Bs. -0.20 -0.8 12 Bs. +0.05 -0.5 17 Br. -0.08 -0.3 18 Bs. +0.03 -0.6 19 Bs. +0.08 -0.3 23 Bs. +0.15 -1.2 24 Br. +0.01 +0.4 27 Br. +0.02 -0.4 30 Bs. -0.14 -0.1 May 4 Br. -0.13 +0.5 W.			1907 Apr. 19 Hl. -0.23 0.0 E.		

1907			1908			1906			1909		
Dec. 6 P.	-0.01	-0.1 E.	Mar. 14 P.	51.83	52.2 E.	Apr. 16 Bs.	+0.08	+1.1 W.	Feb. 25 P.	-0.01	+0.8 W.
11 Hl.	+0.08	-0.2	24 Fk.	51.90	52.2 E.	23 Bs.	+0.08	+1.2	27 L.	+0.04	+0.4
12 M.	+0.02	+0.3	Mean.....	51.894	52.39	May 2 Bs.	+0.04	+1.1	Apr. 28 L.	+0.06	+0.5 W.
20 P.	-0.16	+0.1	Mag. corr.....	0.000		4 Br.	-0.02	+1.3	Dec. 3 L.	+0.05	+0.4 E.
27 P.	+0.05	+0.1 E.				1908			4 P.	+0.01	+1.3
Mean.....	-0.033	-0.12	B. D. +10° 2230			Dec. 1 M.	+0.09	0.0	31 M.	+0.05	+1.0
Mag. corr.....	+0.017		$\alpha = 10^h 54^m$			2 P.	+0.13	+1.9	1910		
			$\delta = +10^\circ 28'$			3 M.	+0.04	+0.9	Jan. 3 P.	+0.02	+1.2
6 Hl. Draconis s. P.						7 P.	-0.02	+1.6	Feb. 25 P.	+0.04	+0.8
$\alpha = 10^h 51^m 57^s.666$			1904			8 L.	+0.15	+0.8	Mar. 23 L.	0.00	+0.7
$\delta = +78^\circ 18' 21''.14$			Apr. 21 Ei.Y.	19.54	0.8 W.	9 M.	+0.04	+2.1	Apr. 28 M.	0.00	+1.8
1903			May 2 Ei.Y.	19.59	1.3 W.	18 L.	+0.07	+1.0	May 4 L.	+0.04	+0.9
Oct. 4 L.	-0.11	-0.1 W.	1905			28 P.	+0.06	+0.4	Dec. 20 L.	+0.02	+0.2
1904			Mar. 10 Ei.Y.	19.51	1.2 E.	1909			22 P.	-0.01	+0.6
Sept. 23 M.	-0.27	-0.6 E.	1906			Jan. 1 L.	+0.12	+1.2	24 P.	+0.04	+0.5
Oct. 27 Y.	+0.02	0.0	Mar. 20 Ei.Y.	19.50	1.7 W.	12 L.	+0.10	+0.5	1911		
29 Y.	+0.10	-0.5	Mean.....	19.535	1.25	Mar. 17 L.	+0.01	+1.2	Feb. 13 P.	0.00	+1.1
31 M.	-0.11	+0.1	Mag. corr.....	+0.012		20 L.	+0.07	+2.1 W.	Apr. 9 L.	-0.02	+0.9
Nov. 1 Br.	+0.05	+0.4 E.				Nov. 29 P.	+0.08	+0.6 E.	10 M.	+0.07	+0.8 E.
1905			B. D. +8° 2445			Dec. 1 M.	+0.05	+1.2	Mean.....	+0.023	+0.76
Aug. 23 M.	+0.12	+0.1 W.	$\alpha = 10^h 54^m$			5 M.	+0.03	+0.7	Mag. corr.....	0.000	
Sept. 29 Bs.	+0.14	+0.1	$\delta = +7^\circ 45'$			10 M.	+0.06	+1.3			
Oct. 7 Bs.	+0.28	-0.3	1904			17 M.	+0.07	+1.1			
13 Br.	-0.03	-1.0	Mar. 4 Ei.Y.	20.49	... W.	1910					
30 Hl.	+0.06	+0.2 W.	Apr. 4 Ei.Y.	20.47	41.6 W.	Jan. 26 M.	+0.06	0.0	B. D. +6° 2384		
Mean.....	+0.023	-0.15	1905			Mar. 22 P.	+0.04	+0.3	$\alpha = 10^h 55^m$		
Mag. corr.....	+0.017		Mar. 27 Ei.Y.	20.46	40.4 E.	24 M.	+0.09	0.0	$\delta = +6^\circ 38'$		
			1906			Apr. 22 P.	+0.05	+0.5	1904		
B. D. +0° 2718			Mar. 9 Ei.Y.	20.49	41.1 W.	26 P.	+0.07	+1.1	Feb. 22 Ei.M.	33.82	19.7 W.
$\alpha = 10^h 52^m$			Mean.....	20.478	41.03	Nov. 29 L.	+0.09	+1.9	23 Ei.R.	33.86	20.0 W.
$\delta = +0^\circ 13'$			Mag. corr.....	-0.003		Dec. 2 L.	+0.03	+2.6	1905		
1904						7 M.	+0.09	...	Apr. 8 Ei.Y.	33.82	20.4 E.
Feb. 22 Ei.M.	1.28	24.2 W.	B. D. +5° 2425			8 P.	+0.04	+1.1	1906		
Mar. 4 Ei.Y.	1.37	... W.	$\alpha = 10^h 54^m$			14 M.	+0.01	+1.5	Feb. 24 Ei.Y.	33.81	19.8 W.
1905			$\delta = +4^\circ 53'$			16 L.	+0.12	+0.8	Mean.....	33.828	19.98
Apr. 8 Ei.Y.	1.34	24.1 E.	1904			19 P.	-0.01	0.0	Mag. corr.....	0.000	
1906			Apr. 5 Ei.Y.	24.60	23.0 W.	26 P.	+0.09	-0.1			
Feb. 24 Ei.Y.	1.32	23.3 W.	14 Ei.Y.	24.54	24.4 W.	27 L.	+0.04	+1.3 E.			
Mean.....	1.328	23.87	1905			Mean.....	+0.067	+1.06	β Ursae Majoris		
Mag. corr.....	+0.013		Mar. 25 Ei.M.	24.50	23.5 E.	Mag. corr.....	+0.007		$\alpha = 10^h 55^m 48^s.710$		
			1906						$\delta = +56^\circ 55' 6''.81$		
B. D. +2° 2373			Mar. 10 Ei.Y.	24.54	24.6 W.	$\alpha = 10^h 55^m 23^s.793$			1903		
$\alpha = 10^h 53^m$			Mean.....	24.545	23.88	$\delta = +4^\circ 9' 15''.81$			Nov. 10 R.	[-0.09] [+0.4] W.	
$\delta = +2^\circ 15'$			Mag. corr.....	-0.006		1903			1904		
1904			B. D. +12° 2284			Dec. 3 R.	-0.01	+0.6 W.	Mar. 27 Br.	+0.09	-0.9
Apr. 7 Ei.Y.	39.30	58.1 W.	$\alpha = 10^h 54^m$			6 R.	-0.02	-0.2	1906		
15 Ei.Y.	39.35	57.3 W.	$\delta = +12^\circ 14'$			1904			Apr. 27 Br.	-0.04	-0.3
1905			1904			Feb. 6 Ei.Y.	+0.05	-0.3	30 Bs.	-0.03	+0.2
Apr. 1 Ei.M.	39.40	57.4 E.	Feb. 23 Ei.R.	27.58	26.1 W.	Mar. 9 Ei.Y.	+0.04	+0.1	May 1 Br.	-0.03	+0.4 W.
1906			24 Ei.M.	27.54	26.6 W.	15 Ei.Y.	+0.04	+0.4	1907		
Mar. 21 Ei.Y.	39.37	56.6 W.	1905			16 Ei.Y.	+0.01	0.0	Dec. 4 M.	-0.02	+0.3 E.
Mean.....	39.355	57.35	Mar. 30 Ei.Y.	27.57	27.1 E.	Apr. 16 Ei.Y.	+0.06	+0.9	6 P.	+0.03	+0.1
Mag. corr.....	+0.001		1906			18 R.	+0.06	+0.7	20 P.	-0.03	-0.1
			Jan. 30 Ei.Y.	27.56	26.7 W.	20 Ei.Y.	-0.01	+0.6	1908		
47 Ursae Majoris			Mean.....	27.562	26.62	21 Ei.Y.	+0.07	+0.2 W.	Feb. 16 M.	-0.02	-0.2
$\alpha = 10^h 53^m$			Mag. corr.....	+0.019		1905			17 Hl.	+0.06	-0.6
$\delta = +40^\circ 57'$			α Crateris			Feb. 24 Ei.Y.	+0.03	+1.2 E.	Mar. 26 M.	-0.13	+0.4 E.
1904			$\alpha = 10^h 54^m 53^s.803$			Mar. 30 Ei.Y.	0.00	+1.0	Mean.....	-0.012	-0.07
Dec. 19 Br.	51.97	52.4 E.	$\delta = -17^\circ 45' 57''.84$			31 Ei.Y.	+0.01	+0.7	Mag. corr.....	+0.006	
1905			1904			Apr. 13 Ei.Y.	+0.03	+2.0 E.			
Jan. 21 Br.	51.93	52.3 E.	Nov. 28 Br.	+0.08	+0.2 E.	1906					
Dec. 5 Bs.	51.90	52.0 W.	30 Br.	+0.12	+1.4	Jan. 24 Ei.Y.	+0.02	+1.1 W.	B. D. -1° 2471		
7 Br.	51.93	52.4	Dec. 7 Br.	+0.14	+1.6	Mar. 5 Ei.Y.	-0.02	+1.4	$\alpha = 10^h 56^m$		
21 Bs.	51.88	52.4	20 M.	+0.06	+1.5	Apr. 2 Ei.Y.	+0.06	+1.3 W.	$\delta = -1^\circ 56'$		
27 Hl.	51.88	52.4	1905			1907			1904		
29 Hl.	51.90	52.7 W.	Apr. 16 Br.	+0.08	+2.2 E.	Apr. 18 M.	+0.03	+0.9 E.	Apr. 7 Ei.Y.	43.64	45.4 W.
1907			1906			19 Hl.	+0.01	+0.2	15 Ei.Y.	43.62	46.4 W.
Apr. 21 Hl.	51.82	52.9 E.	Jan. 1 Br.	+0.11	+1.2 W.	May 4 P.	+0.04	+0.4	1905		
						1908			Apr. 8 Ei.Y.	43.64	45.1 E.
						Apr. 11 P.	-0.02	+1.4 E.	1906		
						Dec. 27 M.	+0.03	+0.5 W.	Mar. 21 Ei.Y.	43.61	46.4 W.
						1909			Mean.....	43.628	45.82
						Jan. 17 M.	+0.05	+0.8	Mag. corr.....	+0.001	
						18 P.	0.00	... W.			

B. D. +1° 2511				1906				1907				1906			
$\alpha = 10^h 57^m$				Apr. 2 Ei.Y.				Apr. 18 M.				Mar. 9 Ei.Y.			
$\delta = +1^\circ 23'$				8.72 51.1 W.				-0.02 +0.6 E.				+0.04 0.0 W.			
1904				Mean.....				May 4 P.				Apr. 12 Bs.			
Apr. 21 Ei.Y.				8.692 50.12				Dec. 4 M.				19 Bs.			
May 2 Ei.Y.				Mag. corr.....				6 P.				24 Br.			
1905				B. D. -0° 2401				11 Hl.				1907			
Mar. 10 Ei.Y.				$\alpha = 10^h 59^m$				20 P.				Apr. 17 P.			
1906				$\delta = -0^\circ 44'$				+0.01 -0.2				21 Hl.			
Mar. 20 Ei.Y.				1904				Apr. 11 P.				24 P.			
Mean.....				Apr. 7 Ei.Y.				Dec. 18 L.				1908			
Mag. corr.....				12.45 19.8 W.				27 M.				Feb. 17 Hl.			
B. D. +9° 2441				15 Ei.Y.				28 P.				Mar. 25 P.			
$\alpha = 10^h 57^m$				12.46 20.1 E.				Jan. 1 L.				Mean.....			
$\delta = +9^\circ 42'$				1905				12 L.				Mag. corr.....			
1904				Mar. 31 Ei.Y.				17 M.				B. D. +10° 2250			
Mar. 4 Ei.Y.				12.46 19.4 W.				18 P.				$\alpha = 11^h 1^m$			
Apr. 4 Ei.Y.				Mean.....				Apr. 28 L.				$\delta = +10^\circ 45'$			
1905				12.455 20.08				Dec. 31 M.				1904			
Mar. 27 Ei.Y.				+0.014				May 14 L.				Apr. 7 Ei.Y.			
1906				B. D. +13° 2348				16 M.				15 Ei.Y.			
Mar. 9 Ei.Y.				$\alpha = 10^h 59^m$				[+0.01] [+0.6]				1905			
Mean.....				$\delta = +13^\circ 12'$				[+0.06] [0.0]				Mar. 25 Ei.M.			
Mag. corr.....				1904				Apr. 10 M.				1906			
α Ursæ Majoris				Feb. 22 Ei.M.				Mean.....				Mar. 10 Ei.Y.			
$\alpha = 10^h 57^m 33^s.547$				Mar. 4 Ei.Y.				+0.011 +0.06				Mean.....			
$\delta = +62^\circ 17' 26''.85$				18.34 W.				+0.004				Mag. corr.....			
1908				1905				B. D. +12° 2300				B. D. +56° 1500			
Nov. 29 L				Apr. 8 Ei.Y.				$\alpha = 11^h 0^m$				$\alpha = 11^h 2^m$			
1905				18.31 22.8 E.				$\delta = +12^\circ 37'$				$\delta = +56^\circ 26'$			
Dec. 4 Br.				1906				1904				1907			
26 Br.				Feb. 24 Ei.Y.				Apr. 21 Ei.Y.				Dec. 27 P.			
1906				18.31 22.2 W.				May 2 Ei.Y.				1908			
Apr. 12 Bs.				Mean.....				26.44 46.0 W.				Mar. 24 Fk.			
17 Br.				18.305 22.47				1905				Mean.....			
19 Bs.				Mag. corr.....				Mar. 10 Ei.Y.				Mag. corr.....			
24 Br.				+0.015				26.46 45.7 E.				8.825 30.20			
1907				x Leonis				26.42 46.4 W.				B. D. +86° 161			
Apr. 20 P.				$\alpha = 10^h 59^m 51^s.414$				Mean.....				$\alpha = 11^h 2^m$			
Dec. 12 M.				$\delta = +7^\circ 52' 36''.10$				Mag. corr.....				$\delta = +86^\circ 10'$			
27 P.				1903				-0.008				1907			
1908				Nov. 20 Br.				B. D. +12° 2300				Dec. 25 M.			
Mar. 24 Fk.				27 R.				1904				1908			
25 P.				Dec. 6 R.				Apr. 18 R.				Jan. 5 M.			
Mean.....				11 Br.				19 R.				7 P.			
Mag. corr.....				+0.03 -0.4				22 Br.				9 P.			
B. D. +0° 2729				1904				May 4 M.				Mean.....			
$\alpha = 10^h 58^m$				Feb. 6 Ei.Y.				5 R.				30.135 57.95			
$\delta = +0^\circ 32'$				Mar. 9 Ei.Y.				7 M.				Mag. corr.....			
1904				15 Ei.Y.				1907				B. D. +9° 2452			
Apr. 5 Ei.Y.				16 Ei.Y.				Apr. 25 M.				$\alpha = 11^h 2^m$			
14 Ei.Y.				20 Ei.Y.				Feb. 16 M.				$\delta = +9^\circ 33'$			
1905				Nov. 28 Br.				1908				1904			
Mar. 25 Ei.M.				Dec. 7 Br.				Mar. 9 M.				Feb. 23 Ei.R.			
1906				19 Br.				12 Hl.				24 Ei.M.			
Mar. 10 Ei.Y.				20 M.				14 P.				1905			
Mean.....				+0.04 -0.2				Mean.....				Mar. 30 Ei.Y.			
Mag. corr.....				+0.015				30.725 13.21				1906			
B. D. +6° 2397				1905				Mag. corr.....				Apr. 2 Ei.Y.			
$\alpha = 10^h 59^m$				Jan. 21 Br.				0.000				Mean.....			
$\delta = +5^\circ 45'$				Apr. 13 Ei.Y.				B. D. +7° 2417				Mag. corr.....			
1904				16 Br.				$\alpha = 11^h 3^m$				1904			
Feb. 23 Ei.R.				22 M.				$\delta = +7^\circ 6'$				Apr. 5 Ei.Y.			
24 Ei.M.				25 Br.				1903				14 Ei.Y.			
1905				Dec. 5 Bs.				Dec. 3 R.				2.62 55.8 W.			
Mar. 30 Ei.Y.				7 Br.				1904				2.59 55.7 W.			
Mean.....				21 Bs.				Mar. 4 Ei.Y.							
Mag. corr.....				27 Hl.				27 Br.							
B. D. +0° 2729				29 Hl.				Apr. 4 Ei.Y.							
$\alpha = 10^h 58^m$				1906				1905							
$\delta = +0^\circ 32'$				Jan. 1 Br.				Mar. 27 Ei.Y.							
1904				12 Hl.				Dec. 19 Bs.							
Apr. 5 Ei.Y.				Mar. 9 Ei.Y.											
14 Ei.Y.				21 Ei.Y.											
1905				16 Bs.											
Mar. 25 Ei.M.				18 Bs.											
1906				20 Br.											
Mar. 10 Ei.Y.				23 Bs.											
Mean.....				27 Br.											
Mag. corr.....				30 Bs.											
B. D. +6° 2397				May 2 Bs.											
$\alpha = 10^h 59^m$															
$\delta = +5^\circ 45'$															
1904															
Feb. 23 Ei.R.															
24 Ei.M.															
1905															
Mar. 30 Ei.Y.															
Mean.....															
Mag. corr.....															

1905	s	"	1906	s	"	1909	s	"	1907	s	"
Mar. 31 Ei.Y.	2.59	56.0 E.	Mar. 10 Ei.Y.	52.43	18.5 W.	Nov. 26 L.	[+0.08]	[+1.3] E.	Apr. 19 Hl.	+0.03	+0.8 E.
1906						Dec. 5 M.	+0.02	+0.3	21 Hl.	+0.02	+1.0
Mar. 5 Ei.Y.	2.61	55.7 W.	Mean.....	52.408	18.90	10 M.	+0.05	+0.8	24 P.	-0.05	+1.0
Mean.....	2.602	55.80	Mag. corr.....	-0.008		1910			Dec. 4 M.	+0.03	+1.1
Mag. corr.....	-0.008					Dec. 2 L.	+0.15	+1.2	6 P.	+0.02	+0.4
						14 M.	+0.03	+1.2 E.	12 M.	+0.05	...
									27 P.	+0.04	+0.4
						Mean.....	+0.034	+1.08	1908		
						Mag. corr.....	+0.006		Jan. 21 P.	+0.03	+0.5
									Feb. 16 M.	+0.03	...
									Apr. 11 P.	-0.01	+1.2
									12 Fk.	-0.02	+1.3 E.
									1909		
									Jan. 1 L.	+0.01	+0.7 W.
									12 L.	-0.01	+0.1
									17 M.	-0.02	+0.4
									18 P.	-0.01	...
									Feb. 4 P.	+0.01	-0.7
									11 P.	+0.02	+1.3
									25 P.	+0.01	+0.7 W.
									May 11 P.	-0.01	+1.1 E.
									12 L.	-0.01	0.0
									13 M.	+0.02	0.0
									15 L.	+0.04	-0.3
									17 M.	[+0.05]	[+0.4]
									18 P.	[+0.06]	[+0.8]
									28 P.	[-0.01]	[+1.7]
									Dec. 2 P.	-0.02	+0.8
									1910		
									Apr. 19 P.	-0.04	+0.6
									May 14 L.	+0.02	+1.0
									16 M.	[-0.03]	[+0.8]
									Dec. 8 P.	-0.12	+0.5
									19 P.	-0.04	+0.6
									1911		
									Apr. 9 L.	+0.02	+1.0 E.
									Mean.....	+0.002	+0.59
									Mag. corr.....	+0.004	

1908	s	"	B. D. -0° 2422	1908	s	"	1903	s	"
Jan. 5 M.	+0.03	-0.2 E.	$\alpha = 11^h 9^m$	Mar. 15 Hl.	3.82	19.4 E.	Nov. 29 L.	-0.02	0.0 W.
7 P.	+0.09	0.0	$\delta = -0^\circ 43'$	24 Fk.	3.82	19.0	30 Br.	+0.04	-0.1
9 P.	+0.04	+0.4	1904	25 P.	3.76	19.9 E.	Dec. 3 R.	-0.01	+0.4
14 M.	+0.09	+0.4	Feb. 22 Ei.M.	Mean.....	3.788	19.52	6 R.	-0.01	0.0
22 M.	+0.02	...	Apr. 16 Ei.Y.	Mag. corr.....	-0.008		7 Br.	-0.02	+0.1
25 P.	+0.11	+0.1 E.	1905				9 Br.	-0.01	0.0
Dec. 2 P.	+0.02	+0.5 W.	Apr. 8 Ei.Y.	ϕ Leonis			17 M.	-0.09	0.0 W.
3 M.	0.00	+0.5	1906	$\alpha = 11^h 11^m$			1907		
7 P.	+0.05	+1.4	Feb. 24 Ei.Y.	$\delta = -3^\circ 6'$			Apr. 21 Hl.	-0.02	+0.3 E.
9 M.	+0.08	+0.6	Mean.....				Dec. 20 P.	0.00	+0.1
18 L.	+0.09	-0.2	Mag. corr.....				24 P.	0.00	0.0
27 M.	+0.05	-0.3				1908			
28 P.	-0.03	+0.8				Jan. 5 M.	+0.03	-0.3	
1909						7 P.	+0.02	-0.1	
Feb. 13 M.	+0.08	+0.6				9 P.	+0.04	0.0 E.	
27 L.	+0.05	+0.1				Mean.....	-0.004	+0.03	
Mar. 20 L.	+0.04	+1.0				Mag. corr.....	-0.003		
Apr. 28 L.	+0.02	+0.4 W.							
Dec. 3 L.	+0.03	+0.5 E.				B. D. +12° 2319			
4 P.	+0.03	+1.0				$\alpha = 11^h 13^m$			
31 M.	+0.04	+0.4				$\delta = +12^\circ 31'$			
1910						1904			
Jan. 26 M.	+0.10	+0.5				Feb. 23 Ei.R.	8.04	56.5 W.	
Feb. 25 P.	+0.02	+0.8				24 Ei.M.	8.01	56.4 W.	
Mar. 24 M.	+0.04	+0.3				1905			
Dec. 2 L.	+0.07	+0.9				Mar. 30 Ei.Y.	8.04	56.0 E.	
14 M.	+0.05	+0.9				1906			
24 P.	+0.09	-0.1				Apr. 2 Ei.Y.	8.04	57.0 W.	
1911						Mean.....	8.032	56.48	
Feb. 13 P.	+0.04	+1.1				Mag. corr.....	+0.017		
Apr. 10 M.	+0.02	+0.4 E.							
Mean.....	+0.049	+0.46				B. D. +2° 2411			
Mag. corr.....	-0.002					$\alpha = 11^h 13^m$			
B. D. +5° 2467						$\delta = +2^\circ 11'$			
$\alpha = 11^h 9^m$						1904			
$\delta = +4^\circ 50'$						Apr. 5 Ei.Y.	47.08	56.0 W.	
1904	s	"				14 Ei.Y.	47.09	55.9 W.	
Apr. 7 Ei.Y.	9.20	29.5 W.				1905			
15 Ei.Y.	9.23	29.0 W.				Mar. 31 Ei.Y.	47.01	55.3 E.	
1905						1906			
Mar. 25 Ei.M.	9.21	29.2 E.				Mar. 5 Ei.Y.	47.01	56.2 W.	
1906						Mean.....	47.048	55.85	
Mar. 10 Ei.Y.	9.23	29.2 W.				Mag. corr.....	+0.023		
Mean.....	9.218	29.22							
Mag. corr.....	-0.003					B. D. +10° 2274			
B. D. +1° 2539						$\alpha = 11^h 13^m$			
$\alpha = 11^h 9^m$						$\delta = +10^\circ 17'$			
$\delta = +1^\circ 25'$						1904			
1904	s	"				Feb. 22 Ei.M.	55.16	53.3 W.	
Feb. 23 Ei.R.	12.38	54.2 W.				Apr. 16 Ei.Y.	55.22	53.5 W.	
24 Ei.M.	12.39	53.8 W.				1905			
1905						Apr. 8 Ei.Y.	55.24	53.2 E.	
Mar. 30 Ei.Y.	12.44	54.5 E.				1906			
1906						Feb. 24 Ei.Y.	55.26	52.9 W.	
Apr. 2 Ei.Y.	12.45	54.6 W.				Mean.....	55.220	53.22	
Mean.....	12.415	54.28				Mag. corr.....	-0.006		
Mag. corr.....	-0.003								
B. D. +6° 2422						B. D. -0° 2428 (fol.)			
$\alpha = 11^h 9^m$						$\alpha = 11^h 14^m$			
$\delta = +6^\circ 32'$						$\delta = -1^\circ 6'$			
1904	s	"				1904			
Apr. 5 Ei.Y.	22.45	15.9 W.				Mar. 16 Ei.Y.	17.31	13.2 W.	
14 Ei.Y.	22.40	16.4 W.				Apr. 7 Ei.Y.	17.32	12.4 W.	
1905						1905			
Mar. 31 Ei.Y.	22.41	15.7 E.				Apr. 1 Ei.M.	17.33	13.1 E.	
1906						1906			
Mar. 5 Ei.Y.	22.44	16.4 W.				Mar. 21 Ei.Y.	17.30	14.8 W.	
Mean.....	22.425	16.10				Mean.....	17.315	13.38	
Mag. corr.....	+0.001					Mag. corr.....	+0.012		

δ Crateris			1906			1906			1906			1907		
α = 11 ^h 14 ^m 20 ^s .348			Mar. 20 Ei. Y.	25.17	46.6 W.	Mar. 20 Ei. Y.	+0.06	+0.6 W.	Apr. 24 P.	−0.03	+0.4 E.	Apr. 24 P.	−0.03	+0.4 E.
δ = −14° 14' 12".56			Mean.....	25.150	46.62	Apr. 17 Br.	−0.01	+0.1	Dec. 24 P.	+0.04	+0.4	Dec. 24 P.	+0.04	+0.4
1903	s	"	Mag. corr.....	−0.006		19 Bs.	+0.03	+0.1	1908			Jan. 19 Hl.	+0.10	−0.7
Nov. 27 R.	[−0.01]	[+0.7] W.	B. D. +4° 2449			24 Br.	+0.02	+0.5 W.	21 P.	+0.06	0.0	22 M.	+0.08	+0.1 E.
Dec. 11 Br.	+0.03	+1.2	α = 11 ^h 14 ^m			1907			Mean.....	−0.006	−0.20	Mag. corr.....	−0.006	
1904			δ = + 4° 10'			Apr. 17 P.	0.00	0.0 E.						
Mar. 27 Br.	+0.03	+1.2	1904	s	"	19 Hl.	+0.05	+0.1						
1905			Mar. 4 Ei. Y.	35.54	... W.	30 Hl.	+0.01	−0.6						
Dec. 4 Br.	+0.01	+0.8	Apr. 20 Ei. Y.	35.54	8.1 W.	4 P.	−0.01	+0.2						
19 Bs.	0.00	+0.7	1905			11 P.	−0.03	+0.8						
26 Br.	+0.09	+0.4	Mar. 27 Ei. Y.	35.58	8.1 E.	11 Hl.	−0.09	...						
1906			1906			12 M.	−0.06	+0.7						
Apr. 10 Ei. Y.	+0.02	+1.3	Mar. 9 Ei. Y.	35.52	8.0 W.	27 P.	−0.01	−0.4						
May 1 Br.	+0.03	... W.	Mean.....	35.545	8.07	1908								
1907			Mag. corr.....	+0.001		Mar. 15 Hl.	−0.01	−0.1 E.						
Apr. 25 M.	+0.06	+0.5 E.	B. D. +3° 2490			Dec. 8 L.	+0.02	0.0 W.						
May 11 P.	+0.06	+1.3	α = 11 ^h 15 ^m			1909								
Dec. 11 Hl.	−0.05	...	δ = + 2° 58'			Apr. 2 P.	+0.07	+0.6 W.						
1908			1904	s	"	May 11 P.	+0.02	+0.3 E.						
Jan. 8 M.	+0.02	+0.4	Apr. 7 Ei. Y.	48.01	16.8 W.	12 L.	+0.03	+0.1						
Mar. 24 Fk.	+0.14	+0.1	15 Ei. Y.	48.01	15.7 W.	13 M.	+0.04	+0.5						
25 P.	+0.03	0.0	1905			15 L.	0.00	−0.1						
Apr. 12 Fk.	+0.06	... E.	Mar. 25 Ei. M.	.....	16.2 E.	17 M.	[+0.06] [−0.2]							
Dec. 3 M.	+0.03	+0.5 W.	27 Ei. Y.	48.02	15.8 E.	18 P.	[+0.01] [+0.1]							
7 P.	+0.06	+1.4	1906			1910								
27 M.	+0.04	−0.3	Mar. 10 Ei. Y.	47.99	16.8 W.	Apr. 22 P.	+0.04	−0.1						
1909			Mean.....	48.008	16.26	26 P.	+0.02	+0.2						
Jan. 12 L.	+0.08	−0.4	Mag. corr.....	+0.001		28 M.	+0.02	+0.5						
17 M.	+0.06	+0.4	B. D. +5° 2484			May 14 L.	−0.01	+0.4						
18 P.	+0.09	...	α = 11 ^h 15 ^m			16 M.	[−0.03] [+0.8]							
Feb. 4 P.	+0.05	−1.1	δ = + 5° 25'			1911								
11 P.	+0.08	+0.3	1904	s	"	Apr. 10 M.	+0.02	+0.2 E.						
13 M.	+0.07	+1.1	Feb. 24 Ei. M.	49.84	44.2 W.	Mean.....	+0.004	+0.24						
18 P.	+0.02	0.0	Mar. 4 Ei. Y.	49.86	.... W.	Mag. corr.....	+0.006							
25 P.	−0.02	+1.0	1905			B. D. +8° 2492								
27 L.	+0.01	+1.2	Mar. 30 Ei. Y.	49.82	45.1 E.	α = 11 ^h 16 ^m								
Mar. 17 L.	+0.05	+0.7	1906			δ = + 7° 46'								
20 L.	+0.06	+1.2	Apr. 2 Ei. Y.	49.81	45.1 W.	1904	s	"						
Apr. 2 P.	+0.06	+1.0	Mean.....	49.832	44.80	Feb. 22 Ei. M.	29.66	17.4 W.						
28 L.	−0.02	+0.6 W.	Mag. corr.....	−0.001		Apr. 15 Ei. Y.	29.72	16.6 W.						
Nov. 26 L.	[+0.09]	[+0.8] E.	σ Leonis			1905								
Dec. 3 L.	+0.07	+0.3	α = 11 ^h 15 ^m 58 ^s .799			Apr. 8 Ei. Y.	29.64	18.4 E.						
4 P.	+0.08	+0.4	δ = + 6° 34' 38".86			1906								
5 M.	+0.06	+0.2	1904	s	"	Apr. 10 Ei. Y.	29.67	17.8 W.						
10 M.	+0.10	+0.8	Apr. 5 Ei. Y.	+0.05	+0.4 W.	Mean.....	29.672	17.55						
16 L.	−0.04	−0.2	11 R.	0.00	−0.1	Mag. corr.....	−0.001							
17 M.	+0.13	+0.8	14 Ei. Y.	+0.02	+0.9	B. D. +9° 2482								
1910			18 R.	0.00	+0.2	α = 11 ^h 16 ^m								
Jan. 3 P.	+0.08	0.0	19 Br.	−0.05	+0.6	δ = + 9° 43'								
14 L.	+0.02	+1.4	22 Br.	+0.01	+0.8	1904	s	"						
Feb. 25 P.	+0.03	+0.3	May 4 M.	+0.06	+0.4	Mar. 16 Ei. Y.	39.50	1.5 W.						
Mar. 23 L.	+0.13	+1.3	5 R.	0.00	0.0	Apr. 16 Ei. Y.	39.54	1.6 W.						
24 M.	+0.06	−1.4	7 M.	−0.01	+0.4 W.	1905								
Apr. 22 P.	−0.03	0.0	Dec. 19 Br.	+0.03	0.0 E.	Apr. 1 Ei. M.	39.50	1.5 E.						
26 P.	+0.03	+0.5	20 M.	−0.06	+0.7	1906								
Nov. 29 L.	+0.04	+0.2	1905			Mar. 21 Ei. Y.	39.44	1.0 W.						
Dec. 2 L.	+0.11	+0.9	Jan. 21 Br.	+0.01	−0.2	Mean.....	39.495	1.40						
8 P.	+0.01	+0.5	Mar. 31 Ei. Y.	−0.02	+0.5	Mag. corr.....	+0.015							
14 M.	+0.02	+1.2	Apr. 14 Ei. Y.	+0.02	+0.5	249 B. Ursae Majoris								
16 L.	+0.08	+1.4	25 Br.	−0.01	+0.3 E.	α = 11 ^h 16 ^m 55 ^s .010								
19 P.	+0.05	−0.1	Dec. 27 Hl.	−0.06	−0.4 W.	δ = +64° 52' 40".28								
20 L.	+0.10	+0.2	29 Hl.	+0.02	+0.1	1903	s	"						
26 P.	+0.09	−0.4	1906			Nov. 30 Br.	[−0.08] [−0.2] W.							
27 L.	+0.07	+0.2 E.	Jan. 1 Br.	0.00	0.0	Dec. 7 Br.	0.00	−0.6						
Mean.....	+0.049	+0.50	12 Hl.	−0.01	0.0	9 Br.	−0.12	−0.6						
Mag. corr.....	−0.004		Mar. 5 Ei. Y.	−0.01	+0.6	20 M.	−0.03	−0.5						
B. D. +0° 2769			9 Ei. Y.	−0.02	+0.4 W.	1905								
α = 11 ^h 14 ^m						Dec. 5 Bs.	−0.15	−0.3 W.						
δ = + 0° 21'														
1904	s	"												
Mar. 9 Ei. Y.	25.18	46.6 W.												
15 Ei. Y.	25.13	46.8 W.												
1905														
Mar. 10 Ei. Y.	25.12	46.5 E.												

B. D. -2° 3337			B. D. -0° 2437			1906			B. D. -0° 2442		
$\alpha = 11^h 18^m$			$\alpha = 11^h 19^m$			$\alpha = 11^h 20^m$			$\alpha = 11^h 22^m$		
$\delta = -2^\circ 44'$			$\delta = -0^\circ 58'$			$\delta = +4^\circ 24'$			$\delta = -1^\circ 8'$		
1904			1904			1904			1904		
Apr. 7	Ei. Y.	28.21 17.3 W.	Feb. 22	Ei. M.	11.65 32.6 W.	Mar. 9	Ei. Y.	30.99 7.6 W.	Mar. 16	Ei. Y.	47.12 57.7 W.
15	Ei. Y.	28.24 17.5 W.	Apr. 16	Ei. Y.	11.66 32.0 W.	Mean		30.992 7.40	Apr. 16	Ei. Y.	47.10 56.7 W.
1905			1905			B. D. +4° 2463			1905		
Mar. 25	Ei. M.	18.6 E.	Apr. 8	Ei. Y.	11.69 32.0 E.	$\alpha = 11^h 20^m$			Apr. 1	Ei. M.	47.12 57.8 E.
Apr. 14	Ei. Y.	28.23 18.0 E.	1906			$\delta = +4^\circ 24'$			1906		
1906			Apr. 10	Ei. Y.	11.63 32.2 W.	1904			Mar. 21	Ei. Y.	47.11 58.8 W.
Mar. 10	Ei. Y.	28.26 17.7 W.	Mean		11.658 32.20	Apr. 7	Ei. Y.	41.64 39.9 W.	Mean		47.112 57.75
Mean		28.235 17.82	Mag. corr.		-0.010	15	Ei. Y.	41.68 38.6 W.	Mag. corr.		+0.020
Mag. corr.		-0.006	B. D. +12° 2335			1905			γ Leonis		
$\alpha = 11^h 18^m$			$\alpha = 11^h 19^m$			$\alpha = 11^h 21^m$			$\alpha = 11^h 22^m 47^s.703$		
$\delta = +11^\circ 4'$			$\delta = +11^\circ 58'$			$\delta = +9^\circ 12'$			$\delta = +3^\circ 24' 25''.23$		
1903			1904			1904			1903		
Nov. 10	R.	[42.73] [48.4] W.	Mar. 16	Ei. Y.	47.73 47.7 W.	Feb. 23	Ei. R.	7.46 36.1 W.	Nov. 27	R.	[-0.01] [+0.4] W.
Dec. 3	R.	42.78 48.6	Apr. 20	Ei. Y.	47.76 47.8 W.	24	Ei. M.	7.34 36.4 W.	29	L.	[+0.02] [+0.6]
6	R.	42.78 48.7	1905			B. D. +9° 2494			30	Br.	+0.08 +0.2
1904			Apr. 1	Ei. M.	47.76 47.7 E.	$\alpha = 11^h 21^m$			Dec. 6	R.	+0.01 +0.2
Feb. 23	Ei. R.	42.74 48.2	1906			$\delta = +9^\circ 12'$			7	Br.	+0.04 +0.2
24	Ei. M.	42.77 49.0 W.	Mar. 21	Ei. Y.	47.73 46.6 W.	1904			9	Br.	+0.01 +0.5
1905			Mean		47.745 47.45	1905			11	Br.	+0.01 +0.5
Mar. 30	Ei. Y.	42.87 48.8 E.	Mag. corr.		-0.010	Mar. 30			17	M.	-0.05 +1.0
Dec. 19	Bs.	42.80 48.6 W.	γ Crateris			1906			1904		
1906			$\alpha = 11^h 19^m$			1906			Mar. 9	Ei. Y.	+0.03 +0.6
Apr. 2	Ei. Y.	42.85 48.9	$\delta = -17^\circ 8'$			Apr. 2			15	Ei. Y.	-0.01 +0.4
16	Bs.	42.95 48.4	1904			Mean			27	Br.	-0.01 +0.8
18	Bs.	42.87 49.0	Apr. 18	R.	53.12 4.4 W.	Mag. corr.			May 7	M.	0.00 -1.1 W.
30	Bs.	42.92 48.7	19 Br.	53.07 3.2	B. D. +6° 2448			1905			
May 2	Bs.	42.81 48.5 W.	22 Br.	53.12 3.8	$\alpha = 11^h 20^m$			Mar. 10	Ei. Y.	0.00 +1.1 E.	
1907			May 4	M.	53.13 4.5	$\delta = +6^\circ 17'$			Apr. 14	Ei. Y.	+0.03 +0.5 E.
Apr. 21	Hl.	42.84 48.3 E.	5 R.	53.10 4.1	1904			Dec. 7	Br.	+0.06 +0.3 W.	
Dec. 20	P.	42.89 48.2	1906			1904			16	Hl.	+0.10 +0.2
25	M.	42.82 48.2	May 4	Br.	53.05 4.4 W.	Apr. 5			1906		
27	P.	42.84 47.9	1907			14			Jan. 1	Br.	+0.04 +0.4
1908			Apr. 25	M.	53.05 4.5 E.	Dec. 20			Mar. 9	Ei. Y.	0.00 +0.6
Jan. 5	M.	42.88 47.0	May 13	M.	53.13 4.8	1905			20	Ei. Y.	+0.04 +1.0
7	P.	42.92 48.3	1908			Mar. 31			Apr. 13	Ei. Y.	+0.04 +0.6 W.
1909			Jan. 8	M.	53.08 4.8	Apr. 16			1908		
May 13	M.	42.91 47.4	9 P.	53.06 4.0	Mar. 16			Feb. 16	M.	+0.03 +0.8 E.	
1910			14 M.	53.09 4.4 E.	22 M.			Mar. 15	Hl.	-0.02 +0.8	
May 16	M.	42.93 48.9 E.	Mean		53.091 4.26	Dec. 19			Apr. 12	Fk.	+0.02 +0.5 E.
Mean		42.851 48.40	Mag. corr.		+0.009	Bs.			May 9	Fk.	+0.02 +0.5 W.
Mag. corr.		-0.008	B. D. +6° 2448			1906			Dec. 9	M.	+0.03 +0.4
B. D. +2° 2418			$\alpha = 11^h 20^m$			Mar. 5			18	L.	+0.04 -0.4
$\alpha = 11^h 18^m$			$\delta = +6^\circ 17'$			Apr. 16			27	M.	+0.01 +0.1
$\delta = +1^\circ 57'$			1904			17 Br.			28	P.	+0.02 +0.7
1904			1905			20 Br.			1909		
Apr. 5	Ei. Y.	54.48 25.0 W.	Mar. 9	Ei. Y.	1.77 21.7 W.	23 Bs.			Jan. 1	L.	+0.03 +1.2
14	Ei. Y.	54.47 25.3 W.	15	Ei. Y.	1.78 21.7 W.	24 Br.			12	L.	+0.02 +0.4
1905			1906			27 Br.			18	P.	+0.01 +0.8 W.
Mar. 31	Ei. Y.	54.46 25.5 E.	Mar. 10	Ei. Y.	1.78 22.1 E.	Mean			May 11	P.	0.00 +0.8 E.
1906			Mar. 20	Ei. Y.	1.81 22.1 W.	Mag. corr.			12	L.	-0.01 +0.6
Mar. 5	Ei. Y.	54.47 25.6 W.	Mean		1.785 21.90	B. D. +1° 2566			13	M.	-0.03 0.0
Mean		54.470 25.35	Mag. corr.		0.000	$\alpha = 11^h 22^m$			15	L.	+0.06 -0.2
Mag. corr.		-0.005	B. D. +4° 2461			$\delta = +1^\circ 30'$			17	M.	+0.01 +0.5
B. D. -5° 3274			$\alpha = 11^h 20^m$			1904			18	P.	[+0.08] [+0.8]
$\alpha = 11^h 19^m$			$\delta = -6^\circ 10'$			Feb. 22			28	P.	[-0.03] [+1.6]
$\delta = -6^\circ 10'$			1910			Apr. 20			29	L.	[-0.02] [+0.4]
1910			1904			1905			Dec. 4	P.	+0.02 +1.0
Dec. 16	L.	0.76 10.4 E.	1905			Apr. 8			5	M.	+0.06 +1.0
19	P.	0.77 11.3	1906			Apr. 10			31	M.	+0.04 +0.8
20	L.	0.75 10.4	1904			Mean			1910		
26	P.	0.69 12.0 E.	1905			Mag. corr.			Jan. 3	P.	+0.06 +0.3
Mean		0.742 11.02	Mar. 4			26.222 33.20			Feb. 25	P.	+0.04 +1.1
Mag. corr.		-0.007	Apr. 16			26.222 33.20			26	L.	+0.01 +0.1
			Mar. 27			+0.005			Mar. 23	L.	-0.02 +1.0
									24	M.	0.00 +0.1
									Apr. 28	M.	-0.01 +1.3
									May 14	L.	+0.04 +1.0
									16	M.	-0.05 +0.5
									Dec. 24	P.	0.00 +0.1 E.

1911	s	"	1906	s	"	λ Draconis s. p.			1907	s	"
Apr. 10 M.	+0.03	+0.7 E.	Apr. 10 Ei.Y.	30.04	4.1 W.	$\alpha = 11^h 25^m 28^s.328$			May 13 M.	+0.11	+1.1 E.
Mean.....	+0.019	+0.51	Mean.....	30.042	4.57	$\delta = +69^\circ 52' 58''.82$			Dec. 12 M.	-0.04	+2.0
Mag. corr.....	-0.001		Mag. corr.....	+0.015		1904	s	"	20 P.	+0.14	+0.8
	[+0.008][+0.76]			58 Ursæ Majoris					24 P.	+0.03	+0.4
	B. D. +10° 2291			$\alpha = 11^h 25^m$		Nov. 15 Br.	+0.11	-0.4 E.	1908		
	$\alpha = 11^h 23^m$			$\delta = +43^\circ 43'$		16 M.	-0.08	+0.2	Jan. 21 P.	+0.09	+0.2
	$\delta = +10^\circ 35'$			1903		17 Y.	-0.10	+0.4	22 M.	+0.01	+1.8 E.
1904	s	"	Dec. 3 R.	6.49	.... W.	19 Y.	-0.09	-0.1	Mean.....	+0.040	+1.05
Mar. 4 Ei.Y.	49.48	... W.	1904			23 M.	-0.12	+0.2	Mag. corr.....	-0.004	
Apr. 20 Ei.Y.	49.45	16.8 W.	Apr. 18 R.	6.54	21.0	28 M.	+0.15	-0.2 E.		B. D. +1° 2580	
1905			19 Br.	6.52	20.3	Dec. 1 Br.	+0.23	+0.4 W.		$\alpha = 11^h 28^m$	
Mar. 27 Ei.Y.	49.42	16.2 E.	22 Br.	6.58	20.3	6 Bs.	+0.09	-0.4		$\delta = +1^\circ 21'$	
1906			May 4 M.	6.56	19.7	7 Hl.	+0.10	-0.1	1904	s	"
Mar. 9 Ei.Y.	49.40	17.0 W.	5 R.	6.53	20.8 W.	13 Bs.	-0.01	+1.0	Apr. 5 Ei.Y.	16.05	21.8 W.
Mean.....	49.438	16.67	1907			Aug. 12 Fk.	+0.05	-0.1	14 Ei.Y.	16.03	21.7 W.
Mag. corr.....	-0.003		May 13 M.	6.55	21.1 E.	Sept. 6 P.	-0.03	+0.6 W.	1905		
	B. D. -3° 3128		Dec. 20 P.	6.52	21.0	Mean.....	+0.025	+0.12	Mar. 31 Ei.Y.	15.97	22.2 E.
	$\alpha = 11^h 24^m$		25 M.	6.51	21.4	Mag. corr.....	+0.010		1906		
	$\delta = -3^\circ 53'$		1908				B. D. -0° 2447		Mar. 5 Ei.Y.	15.99	22.3 W.
1904	s	"	Jan. 21 P.	6.49	20.6		$\alpha = 11^h 26^m$		Mean.....	16.010	22.00
Apr. 7 Ei.Y.	8.42	53.1 W.	Feb. 16 M.	6.48	20.6		$\delta = -1^\circ 13'$		Mag. corr.....	-0.006	
15 Ei.Y.	8.42	53.6 W.	17 Hl.	6.52	20.8 E.	1904	s	"		B. D. +4° 2492	
1905			Mean.....	6.524	20.69	Mar. 9 Ei.Y.	53.35	49.8 W.		$\alpha = 11^h 28^m$	
Mar. 25 Ei.M.	.....	53.9 E.	Mag. corr.....	-0.005		15 Ei.Y.	53.31	49.5 W.		$\delta = +4^\circ 41'$	
Apr. 14 Ei.Y.	8.40	53.6 E.		e Leonis		1905			1904	s	"
1906				$\alpha = 11^h 25^m$		Mar. 10 Ei.Y.	53.38	48.8 E.	Feb. 24 Ei.M.	16.21	11.7 W.
Mar. 10 Ei.Y.	8.42	53.8 W.		$\delta = -2^\circ 27'$		1906			Mar. 16 Ei.Y.	16.27	11.9 W.
Mean.....	8.415	53.60	1904	s	"	Mar. 20 Ei.Y.	53.38	49.6 W.	1905		
Mag. corr.....	+0.001		Mar. 16 Ei.Y.	12.36	5.5 W.	Mean.....	53.355	49.42	Mar. 30 Ei.Y.	16.30	13.0 E.
	B. D. +0° 2793		Apr. 7 Ei.Y.	12.35	5.3 W.	Mag. corr.....	+0.005		1906		
	$\alpha = 11^h 24^m$		Dec. 20 M.	12.34	5.9 E.		B. D. +10° 2302		Apr. 2 Ei.Y.	16.25	13.3 W.
	$\delta = +0^\circ 12'$		1905				$\alpha = 11^h 27^m$		Mean.....	16.258	12.48
1904	s	"	Apr. 1 Ei.M.	12.32	5.9		$\delta = +9^\circ 56'$		Mag. corr.....	-0.010	
Feb. 24 Ei.M.	12.53	30.8 W.	25 Br.	12.34	5.3 E.	1904	s	"		B. D. +3° 2519	
Mar. 9 Ei.Y.	12.59	30.9 W.	Dec. 19 Bs.	12.30	5.9 W.	Mar. 4 Ei.Y.	47.88	... W.		$\alpha = 11^h 28^m$	
1905			26 Br.	12.34	6.1	28 Ei.Y.	47.82	5.6 W.		$\delta = +3^\circ 3'$	
Mar. 30 Ei.Y.	12.58	31.0 E.	1906			1905			1904	s	"
1906			Mar. 21 Ei.Y.	12.31	6.9 W.	Mar. 27 Ei.Y.	47.89	5.0 E.	Feb. 22 Ei.M.	28.00	7.0 W.
Apr. 2 Ei.Y.	12.55	32.0 W.	Apr. 20 P.	12.30	6.3 E.	1906			Mar. 29 Ei.Y.	28.08	6.9 W.
Mean.....	12.562	31.18	Jan. 8 M.	12.37	5.4	Mar. 9 Ei.Y.	47.85	5.2 W.	1905		
Mag. corr.....	+0.001		22 M.	12.34	5.2 E.	Mean.....	47.860	5.27	Apr. 8 Ei.Y.	28.07	7.7 E.
	B. D. +4° 2480		1909			Mag. corr.....	-0.005		1906		
	$\alpha = 11^h 24^m$		Jan. 26 P.	12.41	6.3 W.		B. D. +8° 2518		Apr. 10 Ei.Y.	28.07	7.6 W.
	$\delta = +4^\circ 19'$		Feb. 4 P.	12.42	7.5		$\alpha = 11^h 27^m$		Mean.....	28.055	7.30
1904	s	"	13 M.	12.35	5.4 W.		$\delta = +7^\circ 57'$		Mag. corr.....	+0.015	
Apr. 5 Ei.Y.	27.54	51.5 W.	Mean.....	12.346	5.92	1904	s	"		B. D. +11° 2372	
14 Ei.Y.	27.51	51.9 W.	Mag. corr.....	0.000		Apr. 7 Ei.Y.	58.14	49.1 W.		$\alpha = 11^h 28^m$	
1905				λ Draconis.		15 Ei.Y.	58.12	48.1 W.		$\delta = +11^\circ 34'$	
Mar. 31 Ei.Y.	27.51	51.4 E.		$\alpha = 11^h 25^m 28^s.314$		1905			1904	s	"
1906				$\delta = +69^\circ 52' 58''.78$		Mar. 25 Ei.M.	.....	48.3 E.	Mar. 16 Ei.Y.	59.10	37.4 W.
Mar. 5 Ei.Y.	27.45	51.8 W.	1906	s	"	Apr. 1 Ei.M.	58.09	48.3 E.	28 Ei.Y.	59.09	37.8 W.
Mean.....	27.502	51.65	Apr. 17 Br.	-0.04	+0.3 W.	1906			1905		
Mag. corr.....	+0.001		19 Bs.	+0.06	0.0 W.	Mar. 10 Ei.Y.	58.15	49.0 W.	Apr. 1 Ei.M.	59.08	37.4 E.
	B. D. +8° 2512		1907			Mean.....	58.125	48.56	1906		
	$\alpha = 11^h 24^m$		Apr. 25 M.	-0.05	-0.4 E.	Mag. corr.....	-0.003		Mar. 21 Ei.Y.	59.08	36.6 W.
	$\delta = +8^\circ 9'$		May 11 P.	+0.04	+1.3		ξ Hydræ		Mean.....	59.088	37.30
1904	s	"	1908				$\alpha = 11^h 23^m 4^s.837$		Mag. corr.....	+0.017	
Feb. 22 Ei.M.	30.04	4.8 W.	Jan. 5 M.	-0.06	+0.3		$\delta = -31^\circ 18' 15''.87$			B. D. +3° 2521	
Mar. 15 Ei.Y.	30.02	4.3 W.	7 P.	-0.02	-0.2	1903	s	"		$\alpha = 11^h 29^m$	
1905			9 P.	+0.11	+0.2	Nov. 30 Br.	[+0.07][+1.8] W.			$\delta = +3^\circ 36'$	
Apr. 8 Ei.Y.	30.07	5.1 E.	25 P.	+0.20	+0.1 E.	Dec. 9 Br.	-0.04	+1.0	1904	s	"
	B. D. +8° 2512		1909			11 Br.	+0.05	+1.2	Mar. 9 Ei.Y.	14.87	56.4 W.
	$\alpha = 11^h 24^m$		Jan. 17 M.	-0.04	-0.3 W.	20 M.	+0.03	+1.3	15 Ei.Y.	14.87	56.3 W.
	$\delta = +8^\circ 9'$		20 M.	+0.01	-0.6	Mean.....	+0.018	+0.11			
1904	s	"	Feb. 11 P.	-0.01	+0.5 W.	Mag. corr.....	+0.008				
Feb. 22 Ei.M.	30.04	4.8 W.	Mean.....	+0.018	+0.11		λ Draconis s. p.				
Mar. 15 Ei.Y.	30.02	4.3 W.	Mag. corr.....	+0.008			$\alpha = 11^h 25^m 28^s.328$				
1905				$\delta = +69^\circ 52' 58''.82$			$\delta = +69^\circ 52' 58''.82$				
Apr. 8 Ei.Y.	30.07	5.1 E.		58 Ursæ Majoris			$\alpha = 11^h 25^m$				
	B. D. +10° 2291			$\delta = +43^\circ 43'$			$\delta = +43^\circ 43'$				
	$\alpha = 11^h 23^m$			1903			1904				
	$\delta = +10^\circ 35'$			Dec. 3 R.			s				
1904	s	"		1904			Nov. 15 Br.				
Mar. 4 Ei.Y.	49.48	... W.		Apr. 18 R.			+0.11				
Apr. 20 Ei.Y.	49.45	16.8 W.		19 Br.			-0.08				
1905				22 Br.			-0.10				
Mar. 27 Ei.Y.	49.42	16.2 E.		May 4 M.			-0.09				
1906				5 R.			-0.12				
Mar. 9 Ei.Y.	49.40	17.0 W.		1907			+0.15				
Mean.....	49.438	16.67		May 13 M.			-0.23				
Mag. corr.....	-0.003			Dec. 20 P.			+0.09				
	B. D. -3° 3128			25 M.			-0.10				
	$\alpha = 11^h 24^m$			1908			-0.01				
	$\delta = -3^\circ 53'$			Jan. 21 P.			+0.05				
1904	s	"		Feb. 16 M.			-0.03				
Apr. 7 Ei.Y.	8.42	53.1 W.		17 Hl.			+0.025				
15 Ei.Y.	8.42	53.6 W.		Mean.....			+0.010				
1905				Mag. corr.....			-0.010				
Mar. 25 Ei.M.	.....	53.9 E.		1904			s				
Apr. 14 Ei.Y.	8.40	53.6 E.		Mar. 9 Ei.Y.			53.35				
1906				15 Ei.Y.			49.5 W.				
Mar. 10 Ei.Y.	8.42	53.8 W.		1905			53.38				
Mean.....	8.415	53.60		Mar. 20 Ei.Y.			49.6 W.				
Mag. corr.....	+0.001			Mean.....			53.355				
	B. D. +0° 2793			Mag. corr.....			+0.005				
	$\alpha = 11^h 24^m$			1906			B. D. +10° 2302				
	$\delta = +0^\circ 12'$			Mar. 1 Ei.M.			$\alpha = 11^h 27^m$				
1904	s	"		25 Br.			$\delta = +9^\circ 56'$				
Feb. 24 Ei.M.	12.53	30.8 W.		Dec. 19 Bs.			1904				
Mar. 9 Ei.Y.	12.59	30.9 W.		26 Br.			s				
1905				1906			Mar. 4 Ei.Y.				
Mar. 30 Ei.Y.	12.58	31.0 E.		Mar. 21 Ei.Y.			47.88				
1906				Apr. 20 P.			47.82				
Apr. 2 Ei.Y.	12.55	32.0 W.		Jan. 8 M.			1905				
Mean.....	12.562	31.18		22 M.			Mar. 27 Ei.Y.				
Mag. corr.....	+0.001			1909			47.89				
	B. D. +4° 2480			Jan. 26 P.			1906				
	$\alpha = 11^h 24^m$			Feb. 4 P.			Mar. 9 Ei.Y.				
	$\delta = +4^\circ 19'$			13 M.			47.85				
1904	s	"		Mean.....			Mean.....				
Apr. 5 Ei.Y.	27.54	51.5 W.		Mag. corr.....			47.860				
14 Ei.Y.	27.51	51.9 W.		1904			-0.005				
1905				Mar. 4 Ei.Y.			B. D. +8° 2518				
Mar. 31 Ei.Y.	27.51	51.4 E.		28 Ei.Y.			$\alpha = 11^h 27^m$				
1906				1905			$\delta = +9^\circ 56'$				
Mar. 5 Ei.Y.	27.45	51.8 W.		Mar. 27 Ei.Y.			1904				
Mean.....	27.502	51.65		1906			s				
Mag. corr.....	+0.001			1906			Mar. 4 Ei.Y.				
	B. D. +8° 2512			Mar. 10 Ei.Y.			47.88				
	$\alpha = 11^h 24^m$			Mean.....			47.82				
	$\delta = +8^\circ 9'$			Mag. corr.....			47.89				
1904	s	"		1906			5.0 E.				
Feb. 22 Ei.M.	30.04	4.8 W.		Mar. 9 Ei.Y.			5.2 W.				
Mar. 15 Ei.Y.	30.02	4.3 W.		Mean.....			47.860				
1905				Mag. corr.....			-0.005				
Apr. 8 Ei.Y.	30.07	5.1 E.		1904			B. D. +8° 2518				
	B. D. +8° 2512			Apr. 7 Ei.Y.			$\alpha = 11^h 27^m$				
	$\alpha = 11^h 24^m$			15 Ei.Y.			$\delta = +7^\circ 57'$				
	$\delta = +8^\circ 9'$			Mean.....			1904				
1904	s	"		Mag. corr.....							

1905 Mar. 10 Ei.Y. 14.78 57.2 E. 1906 Mar. 20 Ei.Y. 14.89 56.6 W. Mean..... 14.852 56.62 Mag. corr..... -0.008 B. D. -3° 3144 $\alpha = 11^h 29^m$ $\delta = -3^\circ 48'$ 1904 Mar. 4 Ei.Y. 53.02 W. 29 Ei.Y. 53.00 25.6 W. 1905 Mar. 27 Ei.Y. 53.03 26.3 E. 1906 Mar. 9 Ei.Y. 53.00 25.5 W. Mean..... 53.012 25.80 Mag. corr..... +0.016 B. D. +7° 2461 $\alpha = 11^h 30^m$ $\delta = +7^\circ 4'$ 1904 Apr. 7 Ei.Y. 24.27 33.8 W. 15 Ei.Y. 24.29 33.3 W. 1905 Mar. 25 Ei.M. 33.4 E. 31 Ei.Y. 24.25 33.9 E. 1906 Mar. 10 Ei.Y. 24.24 34.1 W. Mean..... 24.262 33.70 Mag. corr..... -0.008 B. D. +6° 2470 $\alpha = 11^h 31^m$ $\delta = +6^\circ 39'$ 1904 Feb. 24 Ei.M. 25.79 45.3 W. Mar. 9 Ei.Y. 25.79 45.7 W. 1905 Mar. 30 Ei.Y. 25.75 46.3 E. 1906 Apr. 2 Ei.Y. 25.74 46.9 W. Mean..... 25.768 46.05 Mag. corr..... +0.012 v Leonis $\alpha = 11^h 31^m 49^s.725$ $\delta = -0^\circ 16' 17''.46$ 1903 Nov. 29 L. [0.00] [+1.4] W. Dec. 3 R. +0.02 +0.6 1904 Feb. 22 Ei.M. -0.04 +0.7 Mar. 27 Br. 0.00 +0.8 28 Ei.Y. +0.02 +1.0 29 Ei.Y. -0.02 +0.5 Apr. 5 Ei.Y. +0.05 +1.0 11 R. +0.02 ... 14 Ei.Y. +0.07 +1.4 18 R. 0.00 +1.0 19 Br. +0.01 +0.4 22 Br. -0.02 +0.8 May 4 M. -0.05 +0.5 5 R. -0.06 +0.1 7 M. +0.05 +0.7 W. Dec. 20 M. 0.00 -0.6 E. 1905 Mar. 31 Ei.Y. +0.04 +0.6 Apr. 1 Ei.M. 0.00 +0.4 18 Br. +0.03 +0.9 E.	1905 Apr. 27 Y. +0.05 +0.5 E. 28 Br. +0.06 +0.6 May 1 Y. +0.04 +0.2 2 Br. +0.06 +0.9 12 Br. +0.05 +0.2 16 Br. -0.02 +0.2 E. Dec. 16 Hl. +0.05 0.0 W. 19 Bs. -0.05 +0.2 26 Br. +0.01 -0.5 27 Hl. -0.02 +0.3 29 Hl. 0.00 -0.1 1906 Mar. 5 Ei.Y. +0.01 +1.1 9 Ei.Y. +0.04 +0.5 20 Ei.Y. +0.03 +0.4 21 Ei.Y. -0.01 -0.6 Apr. 6 Ei.Y. +0.04 +1.2 13 Ei.Y. +0.07 +0.9 17 Br. 0.00 -0.1 19 Bs. +0.08 -0.1 24 Br. +0.03 +1.0 30 Bs. -0.01 -0.4 May 1 Br. +0.08 ... W. 1907 Dec. 12 M. -0.04 +0.6 E. 25 M. 0.00 ... 1908 Jan. 5 M. +0.02 -0.3 7 P. +0.03 -0.5 9 P. 0.00 +0.5 14 M. +0.05 0.0 25 P. +0.10 +0.4 Feb. 16 M. -0.01 +0.4 17 Hl. 0.00 +0.6 Mar. 15 Hl. +0.05 +0.4 25 P. +0.07 +0.3 Apr. 12 Fk. -0.02 +0.4 E. 1909 Jan. 17 M. +0.07 +0.6 W. Apr. 24 L. +0.03 ... W. 1910 Jan. 27 P. +0.05 +0.1 E. Mar. 24 M. +0.05 0.0 Apr. 19 P. +0.01 +0.7 Nov. 25 L. [+0.01] [+0.4] Dec. 24 P. -0.01 +0.3 E. Mean..... +0.022 +0.40 Mag. corr..... +0.005 B. D. +5° 2511 $\alpha = 11^h 32^m$ $\delta = +5^\circ 31'$ 1904 Apr. 16 Ei.Y. 0.94 0.5 W. 20 Ei.Y. 0.97 0.2 W. 1905 Apr. 8 Ei.Y. 0.93 0.7 E. 1906 Apr. 10 Ei.Y. 0.93 0.6 W. Mean..... 0.942 0.50 Mag. corr..... -0.006 B. D. -1° 2546 $\alpha = 11^h 33^m$ $\delta = -1^\circ 52'$ 1904 Mar. 16 Ei.Y. 17.55 56.6 W. 28 Ei.Y. 17.49 56.4 W. 1905 Apr. 1 Ei.M. 17.51 56.2 E. 1906 Mar. 21 Ei.Y. 17.47 57.6 W. Mean..... 17.505 56.70 Mag. corr..... +0.021	B. D. +8° 2532 $\alpha = 11^h 33^m$ $\delta = +8^\circ 41'$ 1904 Mar. 9 Ei.Y. 18.28 17.1 W. 15 Ei.Y. 18.26 16.6 W. 1905 Mar. 10 Ei.Y. 18.26 17.5 E. 1906 Mar. 20 Ei.Y. 18.30 17.8 W. Mean..... 18.275 17.25 Mag. corr..... -0.005 B. D. +7° 2468 $\alpha = 11^h 33^m$ $\delta = +7^\circ 3'$ 1904 Mar. 4 Ei.Y. 23.85 W. Apr. 7 Ei.Y. 23.82 15.2 W. 1905 Mar. 27 Ei.Y. 23.82 15.1 E. 1906 Mar. 9 Ei.Y. 23.79 15.2 W. Mean..... 23.820 15.17 Mag. corr..... -0.008 B. D. -2° 3390 $\alpha = 11^h 35^m$ $\delta = -2^\circ 45'$ 1904 Apr. 7 Ei.Y. 10.92 51.3 W. 15 Ei.Y. 10.84 51.9 W. 1905 Mar. 25 Ei.M. 10.94 52.0 E. 1906 Mar. 10 Ei.Y. 10.89 51.4 W. Mean..... 10.898 51.65 Mag. corr..... -0.008 o Hydræ $\alpha = 11^h 35^m$ $\delta = -34^\circ 11'$ 1905 Apr. 22 M. 14.68 24.5 E. May 1 Y. 14.75 23.1 2 Br. 14.79 25.3 12 Br. 14.73 24.0 E. Dec. 19 Bs. 14.76 24.8 W. 21 Bs. 14.70 25.3 27 Hl. 14.69 24.3 1906 Apr. 16 Bs. 14.78 24.8 18 Bs. 14.67 25.2 23 Bs. 14.69 25.4 W. 1907 Dec. 24 P. 14.70 25.3 E. 25 M. 14.77 25.3 E. Mean..... 14.726 24.78 Mag. corr..... +0.002 B. D. +1° 2597 $\alpha = 11^h 35^m$ $\delta = +1^\circ 30'$ 1904 Feb. 23 Ei.R. 16.46 24.1 W. 24 Ei.M. 16.44 23.5 W. 1905 Mar. 30 Ei.Y. 16.49 24.5 E.	1906 Apr. 2 Ei.Y. 16.47 25.8 W. Mean..... 16.465 24.48 Mag. corr..... +0.014 B. D. +5° 2525 $\alpha = 11^h 35^m$ $\delta = +5^\circ 41'$ 1904 Apr. 5 Ei.Y. 20.68 39.9 W. 14 Ei.Y. 20.70 40.1 W. 1905 Mar. 31 Ei.Y. 20.70 39.8 E. 1906 Apr. 13 Ei.Y. 20.69 39.8 W. Mean..... 20.692 39.90 Mag. corr..... +0.002 B. D. +4° 2510 $\alpha = 11^h 35^m$ $\delta = +4^\circ 12'$ 1904 Apr. 16 Ei.Y. 21.72 38.9 W. 20 Ei.Y. 21.69 38.9 W. 1905 Apr. 8 Ei.Y. 21.68 39.3 E. 1906 Apr. 10 Ei.Y. 21.70 39.2 W. Mean..... 21.698 39.08 Mag. corr..... -0.006 B. D. -4° 3120 $\alpha = 11^h 35^m$ $\delta = -4^\circ 38'$ 1904 Mar. 16 Ei.Y. 45.42 36.8 W. 29 Ei.Y. 45.40 37.1 W. 1905 Apr. 1 Ei.M. 45.42 36.8 E. 1906 Mar. 21 Ei.Y. 45.40 38.1 W. Mean..... 45.410 37.20 Mag. corr..... -0.001 3 Draconis $\alpha = 11^h 36^m 53^s.909$ $\delta = +67^\circ 17' 54''.33$ 1903 Dec. 3 R. -0.14 +0.8 W. 1904 Feb. 2 R. -0.05 -0.1 Apr. 19 Br. -0.03 -0.9 22 Br. -0.02 0.0 May 3 Br. -0.14 0.0 4 M. -0.12 +0.2 1906 Apr. 19 Bs. -0.02 -0.1 24 Br. -0.10 +0.7 W. 1907 Apr. 19 Hl. -0.18 -0.4 E. 25 M. -0.13 +0.2 May 13 M. -0.04 +0.2 Dec. 12 M. +0.04 +1.1 1908 Jan. 5 M. 0.00 +0.2 E. Mean..... -0.072 +0.15 Mag. corr..... -0.004
---	--	---	--

1904			B. D. -6° 3455			1907			B. D. -5° 3377		
Feb. 24	Ei.M.	-0.04 +0.2 W.	$\alpha = 11^h 44^m$			Dec. 15	M.	+0.01 ... E.	$\alpha = 11^h 47^m$		
Mar. 28	Ei.Y.	+0.02 +0.7	$\delta = -6^\circ 48'$			27	P.	-0.01 +0.3	$\delta = -5^\circ 40'$		
29	Ei.Y.	+0.02 +0.1				1908			1904		
Apr. 19	Br.	-0.04 +0.5				Jan. 5	M.	+0.07 +0.4	Apr. 16	Ei.Y.	51.95 51.8 W.
22	Br.	+0.02 +0.6	1904			Feb. 17	Hi.	+0.04 +1.0	20	Ei.Y.	52.02 51.8 W.
May 3	Br.	-0.01 +0.9	Mar. 9	Ei.Y.	4.52 16.1 W.	Apr. 12	Fk.	+0.04 ... E.	1905		
4	M.	+0.06 +0.1	15	Ei.Y.	4.49 16.1 W.	May 9	Fk.	+0.04 ... W.	Apr. 8	Ei.Y.	51.98 51.5 E.
5	R.	0.00 +0.5 W.	1905			12	P.	0.00 ...	1906		
1905			Mar. 10	Ei.Y.	4.53 16.4 E.	1909			Apr. 10	Ei.Y.	51.99 51.7 W.
Apr. 13	Ei.Y.	+0.06 +0.5 E.	1906			Apr. 2	P.	+0.07 +0.9	Mean.....	51.985	51.70
17	Ei.Y.	-0.01 +0.5	Apr. 2	Ei.Y.	4.50 15.4 W.	22	M.	+0.06 ...	Mag. corr.....	-0.010	
22	M.	+0.06 +1.1	Mean.....	4.510	16.00	24	L.	+0.03 ... W.	γ Ursae Majoris		
27	Y.	+0.07 +0.3	Mag. corr.....	+0.010		1910			$\alpha = 11^h 48^m 34^s.495$		
28	Br.	+0.05 +0.6 E.				Jan. 3	P.	+0.06 +0.9 E.	$\delta = +54^\circ 15' 2'' .82$		
1906			B. D. -1° 2576			27	P.	+0.02 0.0	1905		
Feb. 9	Hi.	+0.03 +0.6 W.	$\alpha = 11^h 45^m$			Mar. 24	M.	+0.04 0.0	Apr. 16	Br.	-0.05 -0.1 E.
May 1	Br.	-0.02 ...	$\delta = -1^\circ 51'$			25	P.	+0.03 +0.7	May 1	Y.	0.00 +0.9
2	Bs.	0.00 +0.4 W.				Apr. 19	P.	+0.01 +1.4	2	Br.	-0.09 +0.9
1907			1904			26	P.	0.00 +0.6	12	Br.	-0.02 +0.8
Apr. 20	P.	+0.09 +0.2 E.	Mar. 4	Ei.Y.	19.49 W.	Nov. 25	L.	[+0.02] [+0.7]	16	Br.	-0.02 -0.1 E.
May 11	P.	0.00 +1.0	Apr. 5	Ei.Y.	19.53 41.9 W.	Dec. 24	P.	+0.10 +0.8 E.	1906		
13	M.	0.00 +0.6	1905			Mean.....	+0.033	+0.48	Apr. 19	Bs.	-0.02 -0.1 W.
17	Hi.	+0.03 0.0	Mar. 27	Ei.Y.	19.53 43.4 E.	Mag. corr.....	-0.006		24	Br.	0.00 +1.1
Dec. 15	M.	+0.01 ...	1906			B. D. -4° 3152			1908		
1908			Mar. 9	Ei.Y.	19.56 43.2 W.	$\alpha = 11^h 45^m$			Dec. 28	P.	-0.15 +0.6
Jan. 19	Hi.	+0.02 +0.2	Mean.....	19.528	42.83	$\delta = -4^\circ 46'$			1909		
21	P.	+0.04 0.0	Mag. corr.....	+0.001		1904			Jan. 18	P.	-0.08 ...
Feb. 16	M.	+0.02 +0.1	β Virginis			Mar. 28	Ei.Y.	55.51 36.8 W.	Feb. 4	P.	+0.07 -0.2
Apr. 12	Fk.	0.00 ... E.	$\alpha = 11^h 45^m 29^s.512$			29	Ei.Y.	55.48 37.2 W.	11	P.	0.00 +0.2 W.
May 9	Fk.	+0.01 ... W.	$\delta = +2^\circ 19' 40'' .21$			1905			Mean.....	-0.033	+0.40
12	P.	-0.07 ...	1903			Mar. 30	Ei.Y.	55.47 36.7 E.	Mag. corr.....	+0.005	
Dec. 18	L.	+0.05 +0.3	Nov. 27	R.	[+0.01] [+0.2] W.	1906			B. D. +1° 2624		
1909			30	Br.	[+0.06] [-0.1] W.	Apr. 2	Ei.Y.	55.45 36.0 W.	$\alpha = 11^h 48^m$		
Feb. 13	M.	+0.12 +0.1	Dec. 9	Br.	+0.06 +0.5	Mean.....	55.478	36.68	$\delta = +1^\circ 6'$		
27	L.	-0.02 +0.5	11	Br.	+0.07 +0.1	Mag. corr.....	-0.008		1904		
Mar. 17	L.	-0.05 +0.6	16	Br.	-0.02 +0.4	B. D. +7° 2489			Mar. 16	Ei.Y.	43.16 31.2 W.
20	L.	+0.02 +0.7	17	M.	-0.09 0.0	$\alpha = 11^h 46^m$			Apr. 14	Ei.Y.	43.18 30.9 W.
Apr. 22	M.	-0.02 ...	27	M.	+0.03 +0.8	$\delta = +7^\circ 25'$			1905		
24	L.	+0.02 ...	1904			1904			Apr. 1	Ei.M.	43.14 31.3 E.
28	L.	-0.01 +0.4 W.	Feb. 23	Ei.R.	+0.04 0.0	Apr. 5	Ei.Y.	26.02 58.1 W.	1906		
May 11	P.	+0.05 +0.9 E.	24	Ei.M.	-0.03 +0.4	14	Ei.Y.	26.04 58.2 W.	Mar. 21	Ei.Y.	43.14 29.9 W.
12	L.	+0.04 +0.2	Apr. 7	Ei.Y.	+0.02 +0.5	1905			Mean.....	43.155	30.82
13	M.	+0.02 +0.2	11	R.	+0.03 -0.5	Mar. 31	Ei.Y.	26.00 58.3 E.	Mag. corr.....	+0.019	
15	L.	-0.02 -0.4	15	Ei.Y.	+0.04 0.0 W.	1906			B. D. -2° 3433		
17	M.	+0.05 +0.2	Dec. 19	Br.	+0.02 -0.5 E.	Apr. 13	Ei.Y.	26.03 58.2 W.	$\alpha = 11^h 48^m$		
18	P.	+0.04 -0.1	30	Br.	+0.07 +0.8	Mean.....	26.022	58.20	$\delta = -3^\circ 13'$		
28	P.	[0.00] [+0.7]	1905			Mag. corr.....	-0.001		1904		
29	L.	[+0.03] [+0.2]	Jan. 21	Br.	+0.01 +0.2	Groombridge 1830			Mar. 9	Ei.Y.	45.23 8.9 W.
June 2	L.	[+0.04] [+0.5]	22	Y.	+0.06 -0.1	$\alpha = 11^h 47^m 15^s.631$			15	Ei.Y.	45.22 8.6 W.
Dec. 20	P.	+0.04 ...	Mar. 25	Ei.M.	+0.03 +0.1	$\delta = +38^\circ 25' 26'' .47$			1905		
31	M.	+0.03 0.0	Apr. 1	Ei.M.	+0.04 +0.6	1904			Mar. 10	Ei.Y.	45.21 8.2 E.
1910			8	Ei.Y.	+0.04 +1.5	Dec. 20	M.	-0.08 -0.5 E.	1906		
Jan. 27	P.	-0.02 -0.5	13	Ei.Y.	+0.06 +0.8	1905			Mar. 20	Ei.Y.	45.26 8.5 W.
May 14	L.	-0.04 +0.8	17	Ei.Y.	+0.03 +0.8	Apr. 18	Br.	-0.04 -0.3 E.	Mean.....	45.230	8.55
15	P.	0.00 +0.4	19	Ei.M.	+0.06 +0.6	May 2	Bs.	-0.08 -0.3 W.	Mag. corr.....	+0.008	
16	M.	0.00 0.0	27	Y.	+0.05 +0.5	1907			B. D. -0° 2507		
17	P.	+0.02 +0.3	28	Br.	+0.02 -0.2 E.	May 18	P.	+0.05 -0.9 E.	$\alpha = 11^h 48^m$		
18	L.	+0.05 +1.1	Dec. 19	Bs.	+0.02 +1.0 W.	Dec. 20	P.	+0.02 -0.7	$\delta = -0^\circ 28'$		
1911			1906			27	P.	-0.01 -0.9	1904		
Mar. 15	L.	+0.07 0.0 E.	Mar. 21	Ei.Y.	-0.01 -0.7	1904			Mar. 4	Ei.Y.	55.00 W.
Mean.....	+0.016	+0.37	Apr. 6	Ei.Y.	+0.03 +1.5	Dec. 20	M.	-0.08 -0.5 E.	28	Ei.Y.	55.04 57.5 W.
Mag. corr.....	+0.006		10	Ei.Y.	+0.06 +1.3	1905			1905		
B. D. +5° 2545			13	Ei.Y.	+0.05 +0.9	May 2	Bs.	-0.08 -0.3 W.	Mar. 27	Ei.Y.	55.02 58.6 E.
$\alpha = 11^h 43^m$			18	Bs.	+0.06 +0.4	1907			1906		
$\delta = +5^\circ 44'$			20	Br.	+0.02 +0.7	May 18	P.	+0.05 -0.9 E.	Mar. 9	Ei.Y.	55.03 58.3 W.
1904			23	Bs.	+0.01 +0.3	Dec. 20	P.	+0.02 -0.7	Mean.....	55.022	58.13
Mar. 16	Ei.Y.	59.55 35.5 W.	27	Br.	+0.06 +0.4	27	P.	-0.01 -0.9	Mag. corr.....	-0.003	
Apr. 7	Ei.Y.	59.52 36.2 W.	30	Bs.	+0.04 +1.2	1908			1904		
1905			May 1	Br.	0.00 +0.6 W.	Jan. 7	P.	+0.01 -0.3 E.	Mar. 4	Ei.Y.	55.00 W.
Apr. 1	Ei.M.	59.55 35.6 E.	1907			Dec. 27	M.	-0.06 -0.9 W.	28	Ei.Y.	55.04 57.5 W.
1906			Apr. 17	P.	+0.01 +0.8 E.	1909			1905		
Mar. 21	Ei.Y.	59.52 35.0 W.	19	Hi.	+0.06 +0.7	Jan. 12	L.	0.00 -1.6	Mar. 27	Ei.Y.	55.02 58.6 E.
Mean.....	59.535	35.58	25	M.	+0.01 +0.5	17	M.	+0.02 -0.8	1906		
Mag. corr.....	+0.015		May 9	M.	+0.04 -0.3	Feb. 13	M.	+0.03 -0.5 W.	Mar. 9	Ei.Y.	55.03 58.3 W.
			11	P.	+0.05 -0.2	Mean.....	-0.013	-0.70	Mean.....	55.022	58.13
			14	Hi.	+0.06 +0.8 E.	Mag. corr.....	+0.012		Mag. corr.....	-0.003	

B. D. +5° 2555 $\alpha = 11^h 48^m$ $\delta = +5^\circ 26'$			B. D. +6° 2525 $\alpha = 11^h 50^m$ $\delta = +6^\circ 22'$			B. D. +4° 2553 $\alpha = 11^h 53^m$ $\delta = +4^\circ 2'$			δ Virginis $\alpha = 11^h 54^m$ $\delta = +4^\circ 12'$		
1904	s	"	1904	s	"	1904	s	"	1904	s	"
Apr. 7 Ei.Y.	56.86	7.3 W.	Mar. 9 Ei.Y.	20.92	35.0 W.	Apr. 5 Ei.Y.	6.48	20.9 W.	Apr. 7 Ei.Y.	49.61	44.5 W.
15 Ei.Y.	56.83	5.9 W.	15 Ei.Y.	20.83	34.9 W.	14 Ei.Y.	6.41	21.0 W.	15 Ei.Y.	49.58	43.4 W.
1905			1905			1905			Dec. 20 M.	49.60	44.4 E.
Mar. 25 Ei.M.	56.84	7.0 E.	Mar. 10 Ei.Y.	20.86	35.2 E.	Mar. 31 Ei.Y.	6.32	20.5 E.	1905		
1906			1906			1906			Mar. 25 Ei.M.	49.67	44.2
Mar. 10 Ei.Y.	56.90	6.9 W.	Mar. 20 Ei.Y.	20.90	35.6 W.	Apr. 13 Ei.Y.	6.37	20.7 W.	Apr. 18 Br.	49.61	44.3 E.
Mean.....	56.858	6.78	Mean.....	20.878	35.18	Mean.....	6.395	20.78	1906		
Mag. corr.....	+0.001		Mag. corr.....	-0.008		Mag. corr.....	+0.013		Jan. 1 Br.	49.60	44.2 W.
B. D. -1° 2587 $\alpha = 11^h 49^m$ $\delta = -1^\circ 49'$			α Leonis $\alpha = 11^h 50^m$ $\delta = +16^\circ 12'$			B. D. -5° 3396 $\alpha = 11^h 53^m$ $\delta = -6^\circ 5'$			Mar. 10 Ei.Y.	49.59	44.6
1904	s	"	1904	s	"	1904	s	"	Apr. 18 Br.	49.59	44.9
Mar. 28 Ei.Y.	47.50	3.8 W.	May 3 Br.	31.98	12.9 W.	Apr. 16 Ei.Y.	53.99	49.6 W.	20 Br.	49.59	44.2
29 Ei.Y.	47.44	4.0 W.	Dec. 19 Br.	31.97	12.3 E.	20 Ei.Y.	54.05	50.4 W.	23 Br.	49.60	44.6
1905			30 Br.	32.05	12.6	1905			27 Br.	49.59	44.4
Mar. 30 Ei.Y.	47.49	3.1 E.	1905			Apr. 8 Ei.Y.	53.98	49.1 E.	May 2 Br.	49.61	43.9
1906			Jan. 22 Y.	32.05	12.5 E.	1906			4 Br.	49.55	44.2 W.
Apr. 2 Ei.Y.	47.40	3.5 W.	Dec. 21 Br.	31.96	12.3 W.	Apr. 10 Ei.Y.	54.03	49.7 W.	1907		
Mean.....	47.458	3.60	1906			Mean.....	54.012	49.70	Apr. 17 P.	49.67	(41.3) E.
Mag. corr.....	-0.008		Jan. 1 Br.	32.02	12.3	Mag. corr.....	+0.001		4 P.	49.58	44.5
B. D. +9° 2560 $\alpha = 11^h 49^m$ $\delta = +9^\circ 0'$			12 Hl.	31.95	11.9	B. D. +1° 2636 $\alpha = 11^h 53^m$ $\delta = +1^\circ 5'$			Dec. 12 M.	49.57	44.3 E.
1904	s	"	Feb. 9 Hl.	31.99	12.7 W.	1904	s	"	Mean.....	49.601	44.31
Apr. 7 Ei.Y.	55.30	1.0 W.	1907			Mar. 16 Ei.Y.	56.41	12.6 W.	Mag. corr.....	-0.001	
14 Ei.Y.	55.40	1.0 W.	Apr. 19 Hl.	81.99	11.8 E.	Apr. 15 Ei.Y.	56.37	11.6 W.	π Virginis $\alpha = 11^h 55^m 44^s.910$ $\delta = +7^\circ 10' 18''.78$		
1905			Dec. 25 M.	32.03	11.9 E.	1905			1903		
Mar. 31 Ei.Y.	55.40	1.2 E.	Mean.....	31.999	12.32	Mar. 21 Ei.Y.	56.36	11.6 W.	Nov. 29 L.	[-0.02]	[+0.6] W.
1906			Mag. corr.....	-0.003		Mean.....	56.392	12.22	30 Br.	[+0.04]	[-0.1]
Apr. 13 Ei.Y.	55.38	1.4 W.	B. D. +6° 2529 $\alpha = 11^h 51^m$ $\delta = +5^\circ 54'$			Mag. corr.....	+0.017		Dec. 3 R.	[+0.04]	[+0.5]
Mean.....	55.370	1.15	1904	s	"	B. D. -2° 3446 $\alpha = 11^h 54^m$ $\delta = -2^\circ 45'$			7 Br.	[+0.08]	[+0.6]
Mag. corr.....	-0.006		Mar. 4 Ei.Y.	40.73	... W.	1904	s	"	9 Br.	-0.01	+0.8
B. D. +4° 2544 $\alpha = 11^h 49^m$ $\delta = +3^\circ 46'$			29 Ei.Y.	40.69	8.2 W.	Mar. 16 Ei.Y.	56.41	12.6 W.	11 Br.	+0.06	+0.6
1904	s	"	1905			Apr. 15 Ei.Y.	56.37	11.6 W.	16 Br.	+0.06	+0.6
Apr. 16 Ei.Y.	59.89	31.8 W.	Mar. 27 Ei.Y.	40.77	7.7 E.	1905			20 M.	+0.09	-0.1
20 Ei.Y.	59.86	31.2 W.	1906			Apr. 13 Ei.Y.	56.43	13.1 E.	22 R.	+0.05	+0.7
1905			Mar. 9 Ei.Y.	40.73	7.5 W.	1906			27 M.	+0.02	+0.3
Apr. 8 Ei.Y.	59.87	31.9 E.	Mean.....	40.730	7.80	Mar. 21 Ei.Y.	56.36	11.6 W.	1904		
1906			Mag. corr.....	+0.006		Mean.....	56.392	12.22	Feb. 2 R.	+0.02	+0.8
Apr. 10 Ei.Y.	59.89	31.4 W.	B. D. -3° 3210 $\alpha = 11^h 51^m$ $\delta = -4^\circ 13'$			Mag. corr.....	+0.003		Mar. 28 Ei.Y.	+0.01	+1.2
Mean.....	59.878	31.58	1904	s	"	B. D. +2° 2499 $\alpha = 11^h 54^m$ $\delta = +2^\circ 23'$			29 Ei.Y.	+0.02	+0.8
Mag. corr.....	-0.001		Apr. 7 Ei.Y.	54.21	33.7 W.	1904	s	"	Apr. 19 Br.	+0.04	+0.4
B. D. -4° 3162 $\alpha = 11^h 50^m$ $\delta = -4^\circ 34'$			15 Ei.Y.	54.16	35.1 W.	Mar. 9 Ei.Y.	7.23	55.1 W.	22 Br.	0.00	+1.0
1904	s	"	1905			15 Ei.Y.	7.26	55.5 W.	May 3 Br.	+0.02	+1.1 W.
Mar. 16 Ei.Y.	19.53	39.1 W.	Mar. 25 Ei.M.	54.24	34.5 E.	1905			Dec. 19 Br.	-0.02	+0.4 E.
Apr. 21 Ei.Y.	19.51	39.7 W.	1906			Mar. 10 Ei.Y.	7.32	54.9 E.	30 Br.	+0.06	+0.2
1905			Mar. 10 Ei.Y.	54.22	33.7 W.	1906			1905		
Apr. 1 Ei.M.	19.58	39.3 E.	Mean.....	54.208	34.25	Mar. 20 Ei.Y.	7.37	54.9 W.	Jan. 22 Y.	+0.09	+0.6
1906			Mag. corr.....	+0.013		Mean.....	7.295	55.10	Mar. 10 Ei.Y.	+0.03	+0.9
Mar. 21 Ei.Y.	19.54	40.4 W.	B. D. -3° 3213 $\alpha = 11^h 53^m$ $\delta = -3^\circ 48'$			Mag. corr.....	+0.003		30 Ei.Y.	+0.05	+1.1
Mean.....	19.540	39.62	1904	s	"	B. D. +2° 2499 $\alpha = 11^h 54^m$ $\delta = +2^\circ 23'$			31 Ei.Y.	+0.05	+0.6
Mag. corr.....	+0.010		Mar. 28 Ei.Y.	0.52	54.9 W.	1904	s	"	Apr. 13 Ei.Y.	+0.06	+1.1
			29 Ei.Y.	0.48	55.5 W.	Mar. 4 Ei.Y.	16.70	... W.	16 Br.	+0.04	+0.8
			1905			Apr. 21 Ei.Y.	16.69	4.6 W.	20 Ei.Y.	+0.06	-0.2
			Mar. 30 Ei.Y.	0.50	54.4 E.	1905			22 M.	+0.08	+1.4
			1906			Mar. 27 Ei.Y.	16.73	4.4 E.	24 Ei.Y.	+0.04	+0.2
			Apr. 2 Ei.Y.	0.44	54.5 W.	1906			27 Y.	+0.01	+0.6
			Mean.....	0.485	54.82	Mar. 9 Ei.Y.	16.70	5.2 W.	28 Br.	+0.04	+0.4
			Mag. corr.....	+0.010		Mean.....	16.705	4.73	May 1 Y.	+0.04	+0.2
						Mag. corr.....	+0.012		2 Br.	+0.04	+0.8
									12 Br.	+0.08	+0.6
									16 Br.	+0.11	+0.5 E.
									Dec. 26 Br.	+0.04	+0.4 W.
									1906		
									Mar. 9 Ei.Y.	+0.08	+0.4
									Apr. 2 Ei.Y.	0.00	+1.3
									7 Ei.Y.	+0.02	+0.5
									19 Br.	+0.09	+0.3
									24 Br.	+0.01	+0.6
									30 Br.	+0.02	+0.1
									May 1 Br.	+0.04	... W.
									1907		
									Apr. 20 P.	-0.02	+0.5 E.
									24 P.	-0.02	+0.7 E.

1907	s	"	B. D. +0° 2880	1906	s	"	1907	s	"
May 11 P.	+0.09	+0.9 E.	$\alpha = 11^h 56^m$	Jan. 1 Br.	42.51	29.7 W.	May 17 Hl.	+0.03	+1.0 E.
14 Hl.	+0.09	+0.9	$\delta = + 0^\circ 39'$	Apr. 18 Bs.	42.05	30.0	18 P.	+0.02	+0.7
17 Hl.	+0.07	+0.6		27 Br.	42.07	29.0	20 M.	+0.04	...
18 P.	+0.04	+0.9	1904	May 4 Br.	42.14	28.9 W.	Dec. 15 M.	+0.03	...
Dec. 15 M.	+0.06	...	Mar. 16 Ei.Y.	1907			20 P.	-0.02	+1.1
20 P.	+0.05	+1.0	29 Ei.Y.	Apr. 19 Hl.	42.11	29.5 E.	24 P.	0.00	+1.3
24 P.	-0.04	0.0	1905	25 M.	42.07	29.4	27 P.	+0.05	+1.5
25 M.	0.00	+0.7	Apr. 19 Ei.M.	May 9 M.	42.30	29.3			
27 P.	-0.01	...	1906	13 M.	42.63	29.5 E.	1908		
1908			Mar. 21 Ei.Y.	Mean.....	42.177	29.37	Jan. 7 P.	+0.06	-0.1
Jan. 7 P.	+0.02	-0.4	Mean.....	Mag. corr.....	+0.017		8 M.	+0.08	+1.3
8 M.	+0.09	+0.4	Mag. corr.....			9 P.	+0.02	+1.3	
9 P.	+0.04	+0.5				10 M.	+0.09	+0.5	
10 M.	+0.06	-0.4	B. D. -6° 3499			14 M.	+0.08	+1.6	
14 M.	+0.06	+0.6	$\alpha = 11^h 57^m$			19 Hl.	+0.03	+0.6	
19 Hl.	+0.04	+0.1	$\delta = - 7^\circ 7'$			21 P.	+0.03	+0.2	
21 P.	+0.05	+0.1	1904			25 P.	+0.02	+1.0	
25 P.	+0.06	+0.3	Mar. 9 Ei.Y.	1905	s	"	Feb. 16 M.	+0.02	+1.2
Feb. 16 M.	+0.04	+0.4	15 Ei.Y.	Nov. 17 Br.	42.80	28.3 W.	17 Hl.	+0.02	+1.2
17 Hl.	+0.10	-0.3	Mean.....	21 Br.	43.06	29.3	Mar. 12 M.	+0.02	+1.0
Mar. 15 Hl.	+0.09	+0.8	1905	Dec. 1 Br.	43.51	28.9	15 Hl.	-0.05	+1.2
26 M.	+0.02	-0.4	Apr. 20 Ei.Y.	6 Bs.	42.78	29.1	26 M.	+0.05	+0.4
27 Fk.	+0.09	-0.4	1906	7 Hl.	43.08	.... W.	Apr. 3 Fk.	+0.02	+1.2
Apr. 11 P.	+0.05	+0.2	Mar. 20 Ei.Y.	1907			11 P.	0.00	+0.4 E.
12 Fk.	+0.10	+0.1 E.	Mean.....	July 29 Hl.	42.59	28.9 E.	May 12 P.	-0.02	.... W.
May 12 P.	+0.04	.... W.	Mag. corr.....	Aug. 12 P.	42.63	29.3	1909		
1909				14 P.	42.00	29.2	Jan. 5 L.	+0.06	+1.2
Jan. 17 M.	+0.05	+0.4	B. D. +6° 2543	Sept. 20 P.	42.87	29.1	18 P.	0.00	....
Apr. 2 P.	+0.04	+0.5	$\alpha = 11^h 58^m$	Oct. 19 P.	42.08	29.5 E.	Apr. 2 P.	+0.04	+1.0
22 M.	0.00	....	$\delta = + 6^\circ 7'$	Mean.....	42.740	29.07	22 M.	0.00	....
24 L.	+0.01	.... W.	1904	Mag. corr.....	+0.007		24 L.	+0.02	.... W.
May 28 P.	[+0.05]	[+1.0] E.	Mar. 4 Ei.Y.				1910		
1910			28 Ei.Y.				Mar. 22 P.	+0.02	+0.7 E.
Jan. 27 P.	0.00	-0.2	1905				25 P.	0.00	+1.0
Mar. 22 P.	+0.07	0.0	Mar. 27 Ei.Y.				Apr. 19 P.	0.00	+1.1
25 P.	+0.05	0.0	Mean.....				May 14 L.	+0.05	+1.4
Apr. 19 P.	+0.05	+0.4	1906				15 P.	0.00	+0.6
May 14 L.	+0.05	+0.4	Mar. 9 Ei.Y.				17 P.	-0.01	+0.9
15 P.	+0.08	+0.3	Mean.....				18 L.	-0.02	+1.4
17 P.	+0.03	+0.4	Mag. corr.....				19 M.	-0.04	+0.5
18 L.	+0.04	+0.4					21 L.	+0.02	+1.0
Nov. 25 L.	[+0.02]	[-0.1]	B. D. +2° 2509				Nov. 25 L.	[+0.01]	[+0.8] E.
Dec. 22 P.	+0.01	0.0	$\alpha = 11^h 59^m$				Mean.....	+0.024	+0.97
1911			$\delta = + 2^\circ 1'$				Mag. corr.....	+0.005	
Mar. 15 L.	+0.09	+0.6 E.	1904				[+0.004][+0.86]		
Mean.....	+0.043	+0.46	Apr. 14 Ei.Y.						
Mag. corr.....	+0.004		15 Ei.Y.				B. D. -0° 2532		
	[+0.035][+0.42]		Mean.....				$\alpha = 12^h 0^m$		
B. D. -0° 2520			1905				$\delta = - 0^\circ 57'$		
$\alpha = 11^h 55^m$			Mar. 25 Ei.M.						
$\delta = - 1^\circ 12'$			1906				1904	s	"
1904	s	"	Mar. 10 Ei.Y.				Apr. 5 Ei.Y.	8.47	13.1 W.
Apr. 5 Ei.Y.	54.62	32.9 W.	Mean.....				14 Ei.Y.	8.43	12.6 W.
14 Ei.Y.	54.60	32.9 W.	Mag. corr.....				1905		
1905							Apr. 17 Ei.Y.	8.45	12.9 E.
Apr. 17 Ei.Y.	54.54	33.2 E.	B. D. +4° 2569				1906		
1906			$\alpha = 11^h 59^m$				Apr. 13 Ei.Y.	8.43	12.8 W.
Apr. 13 Ei.Y.	54.55	33.4 W.	$\delta = + 4^\circ 7'$				Mean.....	8.445	12.85
Mean.....	54.578	33.10	1904				Mag. corr.....	-0.005	
Mag. corr.....	+0.019		Mar. 28 Ei.Y.						
B. D. -3° 3224			29 Ei.Y.				14 H ¹ . Draconis		
$\alpha = 11^h 56^m$			Mean.....				$\alpha = 12^h 0^m$		
$\delta = - 3^\circ 38'$			Mag. corr.....				$\delta = + 77^\circ 27'$		
1904	s	"					1905	s	"
Apr. 16 Ei.Y.	19.15	28.0 W.	128 H ¹ . Camelopardalis				Jan. 22 Y.	10.65	53.0 E.
20 Ei.Y.	19.11	28.3 W.	$\alpha = 11^h 59^m$				1906		
1905			$\delta = + 86^\circ 8'$				Apr. 24 Br.	10.65	53.2 W.
Apr. 8 Ei.Y.	19.15	27.7 E.	1905				1907		
1906			Apr. 13 Ei.Y.				May 4 P.	10.72	52.6 E.
Apr. 10 Ei.Y.	19.13	28.2 W.	Mean.....				14 Hl.	10.65	53.9
Mean.....	19.135	28.05	Mag. corr.....				Dec. 25 M.	10.78	53.6 E.
Mag. corr.....	-0.013						1908		
			Apr. 18 Br.				Dec. 18 L.	10.61	53.0 W.
			Dec. 21 Bs.				28 P.	10.40	53.2 W.

1909			1906			B. D. +6° 2559			1905		
Jan. 1 L.	10.86	52.8 W.	Mar. 9 Ei.Y.	53.37	43.8 W.	$\alpha = 12^h 4^m$			Mar. 25 Ei.M.	14.85	14.2 E.
12 L.	10.58	52.8 W.	Mean.....	53.380	43.47	$\delta = +6^{\circ} 21'$			1906		
Mean.....	10.656	53.12	Mag. corr.....	+0.010		1904			Mar. 10 Ei.Y.	14.83	14.0 W.
Mag. corr.....	-0.004					Mar. 16 Ei.Y.	57.57	47.5 W.	Mean.....	14.790	14.25
14 H ¹ . Draconis s. p.			B. D. -3° 3239			Apr. 7 Ei.Y.	57.64	47.6 W.	Mag. corr.....	+0.013	
$\alpha = 12^h 0^m$			$\alpha = 12^h 3^m$			1905			B. D. +4° 2583		
$\delta = +77^{\circ} 27'$			$\delta = -3^{\circ} 43'$			Apr. 19 Ei.M.	57.62	47.6 E.	$\alpha = 12^h 6^m$		
1905			1904			Mar. 21 Ei.Y.	57.59	47.1 W.	$\delta = +4^{\circ} 36'$		
Aug. 13 M.	10.49	52.2 W.	Apr. 14 Ei.Y.	4.96	48.6 W.	Mean.....	57.605	47.45	1904		
23 M.	10.73	52.5	15 Ei.Y.	4.92	50.0 W.	Mag. corr.....	-0.007		Mar. 28 Ei.Y.	33.31	44.8 W.
Oct. 12 Bs.	10.49	53.3	1905			ϵ Corvi			29 Ei.Y.	33.32	44.1 W.
31 Br.	10.69	52.7 W.	Mar. 25 Ei.M.	4.94	49.2 E.	$\alpha = 12^h 4^m 58^s.809$			1905		
1907			1906			$\delta = -22^{\circ} 3' 48''.93$			Apr. 13 Ei.Y.	33.33	44.6 E.
Aug. 7 P.	10.59	53.1 E.	Mar. 10 Ei.Y.	4.92	49.1 W.	1903			1906		
Oct. 24 M.	10.73	53.1	Mean.....	4.935	49.22	Dec. 3 R.	[+0.02] [+0.8] W.		Apr. 2 Ei.Y.	33.31	44.8 W.
25 P.	10.51	53.5	Mag. corr.....	+0.005		17 M.	0.00 +0.8		Mean.....	33.318	44.58
Nov. 7 M.	10.88	53.1				20 M.	-0.07 +0.5 W.		Mag. corr.....	+0.014	
11 M.	10.89	54.1 E.				1905			B. D. -3° 3249		
Mean.....	10.667	53.07	B. D. -6° 3509			Apr. 16 Br.	+0.06 +0.9 E.		$\alpha = 12^h 7^m$		
Mag. corr.....	-0.009		$\alpha = 12^h 3^m$			22 M.	+0.14 +2.3		$\delta = -3^{\circ} 50'$		
B. D. -5° 3416			$\delta = -6^{\circ} 17'$			27 Y.	+0.08 +1.3		1904		
$\alpha = 12^h 0^m$			1904			28 Br.	+0.05 +0.6		Apr. 5 Ei.Y.	6.53	42.2 W.
$\delta = -5^{\circ} 17'$			Mar. 28 Ei.Y.	27.57	48.8 W.	May 1 Y.	+0.04 +2.0 E.		14 Ei.Y.	6.48	42.8 W.
1904			29 Ei.Y.	27.58	49.2 W.	Dec. 21 Bs.	+0.01 +0.1 W.		1905		
Apr. 16 Ei.Y.	27.70	20.4 W.	1905			1906			Apr. 17 Ei.Y.	6.45	42.1 E.
20 Ei.Y.	27.74	20.4 W.	Apr. 13 Ei.Y.	27.66	48.6 E.	Jan. 12 Hl.	+0.05 +0.9		1906		
1905			1906			16 Bs.	+0.04 +2.1 W.		Apr. 13 Ei.Y.	6.43	42.1 W.
Apr. 24 Ei.Y.	27.67	21.0 E.	Apr. 2 Ei.Y.	27.58	48.5 W.	1909			Mean.....	6.472	42.05
1906			Mean.....	27.598	48.78	Dec. 5 M.	[0.00] [+0.3] E.		Mag. corr.....	+0.001	
Apr. 10 Ei.Y.	27.72	19.7 W.	Mag. corr.....	-0.009		16 L.	+0.03 +0.4		4 H. Draconis		
Mean.....	27.708	20.38	10 Virginis			1910			$\alpha = 12^h 7^m 31^s.123$		
Mag. corr.....	+0.014		$\alpha = 12^h 4^m$			Dec. 14 M.	+0.01 +1.0		$\delta = +78^{\circ} 10' 19''.07$		
B. D. -2° 3460			$\delta = +2^{\circ} 27'$			20 L.	..... +1.5		1903		
$\alpha = 12^h 0^m$			1904			27 L.	+0.01 +0.9 E.		Dec. 7 Br.	[-0.09] [-0.3] W.	
$\delta = -2^{\circ} 34'$			Apr. 5 Ei.Y.	33.94	33.6 W.	Mean.....	+0.035 +1.09		9 Br.	[-0.14] [0.0]	
1904			14 Ei.Y.	33.89	33.6	Mag. corr.....	-0.001		27 M.	-0.06 0.0 W.	
Mar. 16 Ei.Y.	52.54	26.8 W.	19 Br.	33.87	33.5	B. D. -6° 3518			1905		
29 Ei.Y.	52.53	26.4 W.	22 Br.	33.85	33.7	$\alpha = 12^h 5^m$			May 2 Br.	-0.14 0.0 E.	
1905			May 3 Br.	33.89	33.7 W.	$\delta = -7^{\circ} 13'$			12 Br.	+0.13 -0.7	
Apr. 13 Ei.Y.	52.56	26.2 E.	Dec. 19 Br.	33.86	33.2 E.	1904			16 Br.	-0.04 -0.2 E.	
1906			30 Br.	33.85	33.7	Mar. 9 Ei.Y.	19.35	4.7 W.	1906		
Mar. 21 Ei.Y.	52.57	28.0 W.	1905			15 Ei.Y.	19.35	5.2 W.	Apr. 18 Bs.	+0.12 -0.7 W.	
Mean.....	52.550	26.85	Apr. 17 Ei.Y.	33.90	33.6 E.	1905			27 Br.	-0.02 -0.4	
Mag. corr.....	+0.017		1906			Apr. 20 Ei.Y.	19.32	5.5 E.	30 Bs.	+0.04 -0.8 W.	
B. D. -5° 3424			Apr. 13 Ei.Y.	33.84	33.4 W.	1906			1907		
$\alpha = 12^h 2^m$			24 Br.	33.88	33.5 W.	Mar. 20 Ei.Y.	19.33	3.9 W.	May 14 Hl.	-0.21 -0.2 E.	
$\delta = -6^{\circ} 12'$			1907			Mean.....	19.338	4.82	18 P.	-0.06 -0.3 E.	
1904			Apr. 24 P.	33.92	33.0 E.	Mag. corr.....	+0.017		Mean.....	-0.027 -0.37	
Mar. 15 Ei.Y.	7.49	32.7 W.	30 Hl.	33.91	32.3	B. D. -1° 2632			Mag. corr.....	0.000	
16 Ei.Y.	7.46	32.6 W.	May 11 P.	33.92	33.2 E.	$\alpha = 12^h 6^m$			4 H. Draconis s. p.		
1905			Dec. 18 L.	33.93	32.4 W.	$\delta = -2^{\circ} 8'$			$\alpha = 12^h 7^m 31^s.126$		
Apr. 20 Ei.Y.	7.48	33.8 E.	Mean.....	33.889	33.31	1904			$\delta = +78^{\circ} 10' 19''.09$		
1906			Mag. corr.....	+0.014		Mar. 4 Ei.Y.	14.44	.... W.	1905		
Mar. 20 Ei.Y.	7.51	32.3 W.	B. D. -0° 2540			Apr. 21 Ei.Y.	14.35	26.6 W.	Oct. 12 Bs.	-0.20 +0.7 W.	
Mean.....	7.485	32.85	$\alpha = 12^h 4^m$			1905			17 Br.	+0.16 +0.4	
Mag. corr.....	+0.003		$\delta = -0^{\circ} 26'$			Mar. 27 Ei.Y.	14.40	26.6 E.	31 Br.	-0.16 +0.2	
B. D. +1° 2656			1904			1906			Nov. 1 Bs.	+0.26 -0.6	
$\alpha = 12^h 2^m$			Apr. 16 Ei.Y.	41.51	51.1 W.	Mar. 9 Ei.Y.	14.44	26.3 W.	10 Bs.	-0.09 -0.2	
$\delta = +1^{\circ} 10'$			20 Ei.Y.	41.42	51.7 W.	Mean.....	14.408	26.50	17 Br.	.... -0.8 W.	
1904			1905			Mag. corr.....	+0.010		1907		
Mar. 4 Ei.Y.	53.38	.... W.	Apr. 24 Ei.Y.	41.44	52.0 E.	B. D. -2° 3478			July 30 P.	+0.10 +0.3 E.	
Apr. 5 Ei.Y.	53.39	43.6 W.	1906			$\alpha = 12^h 6^m$			Oct. 19 P.	-0.21 +0.3	
1905			Apr. 10 Ei.Y.	41.41	51.6 W.	$\delta = -3^{\circ} 13'$			Nov. 11 M.	+0.02 +0.4	
Mar. 27 Ei.Y.	53.38	43.0 E.	Mean.....	41.445	51.60	1904			14 M.	+0.38 0.0	
			Mag. corr.....	-0.010		Apr. 7 Ei.Y.	14.72	13.7 W.	29 Hl.	+0.05 -1.0 E.	
						15 Ei.Y.	14.76	15.1 W.	Mean.....	+0.031 -0.03	
									Mag. corr.....	0.000	

B. D. +1° 2667 $\alpha = 12^h 7^m$ $\delta = +0^\circ 47'$			1904 Apr. 21 Ei.Y. 52.83 14.1 W. 1905 Mar. 27 Ei.Y. 52.79 14.2 E. 1906 Mar. 9 Ei.Y. 52.78 13.3 W. Mean..... 52.802 13.87 Mag. corr..... +0.005			1908 May 17 P. -0.19 +0.7 W. 18 M. -0.20 0.0 1909 Jan. 12 L. -0.15 -0.4 18 P. -0.17 ... 20 M. -0.11 -0.7 26 P. -0.04 -0.7 W. Mean..... -0.118 -0.16 Mag. corr..... -0.002			1908 Apr. 12 Fk. -0.12 +1.0 E. 20 M. -0.09 +0.1 22 Fk. -0.11 +0.4 E. May 20 Fk. -0.13 -0.2 W. 22 P. -0.12 0.0 23 M. -0.12 +0.5 1909 Feb. 13 M. -0.10 +1.0 17 M. -0.12 +0.6 W. Mean..... -0.123 +0.43 Mag. corr..... -0.006		
B. D. +3° 2616 $\alpha = 12^h 8^m$ $\delta = +2^\circ 49'$			B. D. -6° 3532 (pr.) $\alpha = 12^h 9^m$ $\delta = -6^\circ 41'$			γ Corvi $\alpha = 12^h 10^m 39^s.627$ $\delta = -16^\circ 59' 11''.58$			B. D. -6° 3538 $\alpha = 12^h 11^m$ $\delta = -6^\circ 58'$		
1904 Mar. 16 Ei.Y. 49.27 1.4 W. Apr. 15 Ei.Y. 49.24 0.5 W. 1905 Apr. 13 Ei.Y. 49.37 1.9 E. 1906 Mar. 21 Ei.Y. 49.27 0.4 W. Mean..... 49.288 1.05 Mag. corr..... +0.012			1904 Apr. 14 Ei.Y. 59.49 58.3 W. 15 Ei.Y. 59.46 58.3 W. 1905 Mar. 25 Ei.M. 59.52 57.1 E. 1906 Mar. 10 Ei.Y. 59.42 58.3 W. Mean..... 59.472 58.00 Mag. corr..... -0.003			1904 Feb. 2 R. +0.04 ... W. Apr. 5 Ei.Y. +0.07 +0.8 W. Dec. 19 Br. +0.09 -0.3 E. 20 M. -0.01 +1.3 1905 Apr. 18 Br. +0.03 +0.3 May 22 Hl. +0.02 +0.4 1907 May 18 P. +0.01 +0.7 20 M. 0.00 +0.6 1908 Mar. 17 P. +0.10 ... Apr. 7 Fk. +0.14 ... E. Dec. 18 L. +0.08 +0.6 W. 28 P. -0.02 +0.4 1909 Jan. 1 L. +0.06 0.0 Feb. 4 P. +0.15 -1.0 11 P. +0.05 +0.6 18 P. +0.02 -0.7 24 M. ... +0.5 27 L. +0.03 +0.1 Mar. 7 M.P. +0.02 +0.2 17 L. +0.05 -0.1 20 L. +0.07 +0.9 Apr. 2 P. +0.09 +1.1 3 L. +0.03 -0.6 4 P. +0.10 -0.2 22 M. +0.04 ... 24 L. +0.07 ... 28 L. +0.03 -0.2 W. May 15 L. -0.01 -1.1 E. 17 M. +0.07 +0.1 18 P. +0.03 +0.1 28 P. 0.00 +0.4 June 2 L. [+0.04] [+0.6] Dec. 5 M. [+0.01] [-0.5] 10 M. +0.08 -0.1 17 M. +0.03 +1.3 1910 Jan. 14 L. +0.04 +0.5 Apr. 22 P. +0.04 -0.1 26 P. +0.03 +0.1 27 L. +0.08 +0.8 30 L. +0.05 -0.2 Dec. 14 M. +0.04 +0.2 16 L. +0.10 +0.5 19 P. +0.06 0.0 20 L. +0.08 +0.4 24 P. +0.03 -0.5 26 P. +0.11 -0.4 27 L. +0.08 +0.2 E. Mean..... +0.052 +0.19 Mag. corr..... +0.002			1904 Apr. 16 Ei.Y. 13.33 32.7 W. 20 Ei.Y. 13.41 33.4 W. 1905 Apr. 24 Ei.Y. 13.40 33.1 E. 1906 Apr. 10 Ei.Y. 13.37 32.4 W. Mean..... 13.378 32.90 Mag. corr..... -0.006		
B. D. -4° 3235 $\alpha = 12^h 9^m$ $\delta = -5^\circ 9'$			B. D. -6° 3532 (fol.) $\alpha = 12^h 10^m$ $\delta = -6^\circ 41'$			B. D. -1° 2639 $\alpha = 12^h 11^m$ $\delta = -2^\circ 10'$			B. D. +1° 2676 $\alpha = 12^h 11^m$ $\delta = +0^\circ 54'$		
1903 Dec. 18 R. 8.02 48.4 W. 22 R. 7.97 49.1 1904 Mar. 9 Ei.Y. 8.00 48.3 15 Ei.Y. 8.00 48.4 W. 1905 Apr. 20 Ei.Y. 8.00 48.7 E. 1906 Mar. 20 Ei.Y. 8.03 46.8 W. Mean..... 8.003 48.28 Mag. corr..... +0.013			B. D. -9° 3468 $\alpha = 12^h 10^m$ $\delta = -9^\circ 43'$			1904 Mar. 16 Ei.Y. 36.45 59.9 W. 28 Ei.Y. 36.51 59.4 W. 1905 Apr. 19 Ei.M. 36.54 60.1 E. 1906 Mar. 21 Ei.Y. 36.49 60.7 W. Mean..... 36.498 60.02 Mag. corr..... -0.002			1904 Mar. 9 Ei.Y. 51.31 29.5 W. 15 Ei.Y. 51.29 28.6 W. 1905 Apr. 20 Ei.Y. 51.34 28.5 E. 1906 Mar. 20 Ei.Y. 51.29 29.8 W. Mean..... 51.308 29.10 Mag. corr..... 0.000		
J Canum Venaticorum $\alpha = 12^h 9^m$ $\delta = +53^\circ 59'$			B. D. -9° 3468 $\alpha = 12^h 10^m$ $\delta = -9^\circ 43'$			B. D. +2° 2526 $\alpha = 12^h 12^m$ $\delta = +2^\circ 7'$			B. D. -3° 3262 $\alpha = 12^h 13^m$ $\delta = -3^\circ 23'$		
1904 Apr. 13 M. 46.02 27.6 W. 19 Br. 46.00 27.5 22 Br. 45.95 27.8 1906 May 2 Bs. 45.96 28.1 W. 1907 May 11 P. 45.99 28.8 E. 21 Hl. 46.01 28.3 1908 Jan. 5 M. 46.06 28.1 14 M. 46.07 28.3 19 Hl. 46.08 27.5 E. 1909 Jan. 5 L. 45.98 28.6 W. Mean..... 46.012 28.06 Mag. corr..... +0.012			B. D. +5° 2602 $\alpha = 12^h 10^m$ $\delta = +5^\circ 4'$			1904 Mar. 4 Ei.Y. 50.72 ... W. 29 Ei.Y. 50.70 52.3 W. 1905 Mar. 27 Ei.Y. 50.68 51.9 E. 1906 Mar. 9 Ei.Y. 50.69 52.4 W. Mean..... 50.698 52.20 Mag. corr..... +0.001			1904 Apr. 14 Ei.Y. 1.34 56.2 W. 15 Ei.Y. 1.34 57.3 W.		
B. D. -0° 2554 $\alpha = 12^h 9^m$ $\delta = -0^\circ 46'$			1904 Apr. 16 Br. -0.12 -0.2 E. 1908 Jan. 21 P. -0.11 0.0 25 P. -0.03 0.0 Mar. 15 Hl. -0.10 -0.3 26 M. -0.08 0.0 E.			2 Canum Venaticorum $\alpha = 12^h 11^m 7^s.091$ $\delta = +41^\circ 13' 0''.01$			1908 Feb. 16 M. -0.21 +0.6 E. Apr. 11 P. -0.11 +0.3 E.		
1904 Mar. 4 Ei.Y. 52.81 W.			B. D. -6° 3532 (pr.) $\alpha = 12^h 9^m$ $\delta = -6^\circ 41'$			1904 Apr. 14 Ei.Y. 59.49 58.3 W. 15 Ei.Y. 59.46 58.3 W. 1905 Mar. 25 Ei.M. 59.52 57.1 E. 1906 Mar. 10 Ei.Y. 59.42 58.3 W. Mean..... 59.472 58.00 Mag. corr..... -0.003			1904 Mar. 16 Ei.Y. 36.45 59.9 W. 28 Ei.Y. 36.51 59.4 W. 1905 Apr. 19 Ei.M. 36.54 60.1 E. 1906 Mar. 21 Ei.Y. 36.49 60.7 W. Mean..... 36.498 60.02 Mag. corr..... -0.002		
B. D. -4° 3235 $\alpha = 12^h 9^m$ $\delta = -5^\circ 9'$			B. D. -6° 3532 (fol.) $\alpha = 12^h 10^m$ $\delta = -6^\circ 41'$			B. D. -1° 2639 $\alpha = 12^h 11^m$ $\delta = -2^\circ 10'$			B. D. +1° 2676 $\alpha = 12^h 11^m$ $\delta = +0^\circ 54'$		
1903 Dec. 18 R. 8.02 48.4 W. 22 R. 7.97 49.1 1904 Mar. 9 Ei.Y. 8.00 48.3 15 Ei.Y. 8.00 48.4 W. 1905 Apr. 20 Ei.Y. 8.00 48.7 E. 1906 Mar. 20 Ei.Y. 8.03 46.8 W. Mean..... 8.003 48.28 Mag. corr..... +0.013			B. D. -9° 3468 $\alpha = 12^h 10^m$ $\delta = -9^\circ 43'$			1904 Mar. 16 Ei.Y. 36.45 59.9 W. 28 Ei.Y. 36.51 59.4 W. 1905 Apr. 19 Ei.M. 36.54 60.1 E. 1906 Mar. 21 Ei.Y. 36.49 60.7 W. Mean..... 36.498 60.02 Mag. corr..... -0.002			1904 Mar. 9 Ei.Y. 51.31 29.5 W. 15 Ei.Y. 51.29 28.6 W. 1905 Apr. 20 Ei.Y. 51.34 28.5 E. 1906 Mar. 20 Ei.Y. 51.29 29.8 W. Mean..... 51.308 29.10 Mag. corr..... 0.000		
J Canum Venaticorum $\alpha = 12^h 9^m$ $\delta = +53^\circ 59'$			B. D. +5° 2602 $\alpha = 12^h 10^m$ $\delta = +5^\circ 4'$			B. D. +2° 2526 $\alpha = 12^h 12^m$ $\delta = +2^\circ 7'$			B. D. -3° 3262 $\alpha = 12^h 13^m$ $\delta = -3^\circ 23'$		
1904 Apr. 13 M. 46.02 27.6 W. 19 Br. 46.00 27.5 22 Br. 45.95 27.8 1906 May 2 Bs. 45.96 28.1 W. 1907 May 11 P. 45.99 28.8 E. 21 Hl. 46.01 28.3 1908 Jan. 5 M. 46.06 28.1 14 M. 46.07 28.3 19 Hl. 46.08 27.5 E. 1909 Jan. 5 L. 45.98 28.6 W. Mean..... 46.012 28.06 Mag. corr..... +0.012			1904 Mar. 4 Ei.Y. 50.72 ... W. 29 Ei.Y. 50.70 52.3 W. 1905 Mar. 27 Ei.Y. 50.68 51.9 E. 1906 Mar. 9 Ei.Y. 50.69 52.4 W. Mean..... 50.698 52.20 Mag. corr..... +0.001			1904 Apr. 14 Ei.Y. 1.34 56.2 W. 15 Ei.Y. 1.34 57.3 W.			1904 Apr. 14 Ei.Y. 1.34 56.2 W. 15 Ei.Y. 1.34 57.3 W.		
B. D. -0° 2554 $\alpha = 12^h 9^m$ $\delta = -0^\circ 46'$			1904 Apr. 16 Br. -0.12 -0.2 E. 1908 Jan. 21 P. -0.11 0.0 25 P. -0.03 0.0 Mar. 15 Hl. -0.10 -0.3 26 M. -0.08 0.0 E.			2 Canum Venaticorum $\alpha = 12^h 11^m 7^s.091$ $\delta = +41^\circ 13' 0''.01$			1908 Feb. 16 M. -0.21 +0.6 E. Apr. 11 P. -0.11 +0.3 E.		
1904 Mar. 4 Ei.Y. 52.81 W.			B. D. -6° 3532 (pr.) $\alpha = 12^h 9^m$ $\delta = -6^\circ 41'$			1904 Apr. 14 Ei.Y. 59.49 58.3 W. 15 Ei.Y. 59.46 58.3 W. 1905 Mar. 25 Ei.M. 59.52 57.1 E. 1906 Mar. 10 Ei.Y. 59.42 58.3 W. Mean..... 59.472 58.00 Mag. corr..... -0.003			1904 Mar. 16 Ei.Y. 36.45 59.9 W. 28 Ei.Y. 36.51 59.4 W. 1905 Apr. 19 Ei.M. 36.54 60.1 E. 1906 Mar. 21 Ei.Y. 36.49 60.7 W. Mean..... 36.498 60.02 Mag. corr..... -0.002		

1905 Mar. 25 Ei.M. 1.36 56.4 E. 1906 Mar. 10 Ei.Y. 1.34 56.0 W. Mean..... 1.345 56.48 Mag. corr..... +0.012 B. D. -3° 32'63 $\alpha = 12^h 13^m$ $\delta = -3^\circ 23'$ 1904 Apr. 16 Ei.Y. 1.72 36.7 W. 20 Ei.Y. 1.70 36.8 W. 1905 Apr. 13 Ei.Y. 1.75 36.5 E. 1906 Apr. 2 Ei.Y. 1.76 36.3 W. Mean..... 1.732 36.58 Mag. corr..... +0.016 B. D. +0° 29'20 $\alpha = 12^h 18^m$ $\delta = -0^\circ 13'$ 1904 May 11 Ei.Y. 32.73 51.6 W. 12 Ei.Y. 32.69 52.0 W. 1905 Apr. 17 Ei.Y. 32.69 52.6 E. 1906 Apr. 13 Ei.Y. 32.70 51.5 W. Mean..... 32.702 51.92 Mag. corr..... +0.024 5 B. Ursæ Minoris $\alpha = 12^h 13^m$ $\delta = +86^\circ 59'$ 1904 May 3 Br. 56.64 30.3 W. 1907 Apr. 25 M. 56.92 29.7 E. May 23 M. 57.28 29.8 Dec. 20 P. 58.22 30.0 24 P. 58.02 30.4 25 M. 58.47 30.5 1908 Apr. 21 P. 58.56 29.4 E. Dec. 7 P. [58.09] [29.5] W. 1909 Jan. 17 M. 57.89 29.7 20 M. 58.46 29.4 Feb. 11 P. 57.99 30.1 W. Mean..... 57.845 29.93 Mag. corr..... +0.013 5 B. Ursæ Minoris s. p. $\alpha = 12^h 13^m$ $\delta = +86^\circ 59'$ 1905 Nov. 21 Br. 57.57 29.6 W. Dec. 1 Br. 58.06 29.6 6 Bs. 57.62 29.2 13 Bs. 56.96 29.6 26 Hl. 29.1 W. 1907 Aug. 7 P. 57.41 29.1 E. Oct. 22 Hl. 57.98 29.2 23 P. 58.22 29.2 24 M. 58.76 28.9 25 P. 57.99 29.3 30 P. 58.97 28.6 E.	1908 Aug. 20 Fk. 58.37 29.8 W. Mean..... 57.992 29.27 Mag. corr..... +0.012 B. D. -8° 33'23 $\alpha = 12^h 14^m$ $\delta = -8^\circ 21'$ 1904 Apr. 21 Ei.Y. 11.32 31.0 W. May 2 Ei.Y. 11.36 30.2 W. 1905 Apr. 24 Ei.Y. 11.33 31.1 E. 1906 Apr. 10 Ei.Y. 11.34 29.8 W. Mean..... 11.338 30.52 Mag. corr..... +0.012 6 B. Ursæ Minoris $\alpha = 12^h 14^m 22^s.541$ $\delta = +88^\circ 15' 15''.64$ 1903 Dec. 10 R. [+0.2] W. 16 Br. -0.18 -0.1 21 Br. +0.13 +0.8 1904 Feb. 3 Br. -0.08 -0.3 4 R. +1.35 -0.2 8 Br. -0.49 -1.1 11 M. +0.66 -0.2 14 M. +2.38 +0.2 22 Br. +0.40 -0.3 May 23 M. -1.30 ... W. Dec. 30 Br. +1.93 +0.8 E. 1905 Jan. 16 Br. +1.94 +0.3 22 Y. +0.67 +0.5 Apr. 22 M. +0.31 -0.3 27 Y. +0.29 +0.5 May 1 Y. -0.02 +0.7 2 Br. +0.72 -0.3 12 Br. +1.23 +0.1 16 Br. -0.21 -0.2 E. Dec. 21 Bs. -0.40 0.0 W. 29 Hl. -0.27 ... 1906 Jan. 1 Br. +0.04 -0.1 12 Hl. -0.42 ... 16 Bs. +0.49 -0.2 18 Br. +1.17 -0.1 24 Hl. +1.16 -1.1 31 Hl. +2.07 -1.1 Feb. 9 Hl. +0.37 ... Mar. 31 Bs. -0.79 +0.5 Apr. 18 Bs. +0.44 -0.1 23 Bs. +1.37 -0.3 27 Br. -0.99 -0.9 May 4 Br. -0.86 -0.3 W. 1907 Apr. 19 Hl. +0.17 +0.5 E. 24 P. +0.25 -0.2 30 Hl. -1.45 0.0 May 4 P. +0.29 -0.2 9 M. -0.04 -0.6 13 M. +0.06 +0.1 17 Hl. +0.91 -0.3 Dec. 15 M. -1.04 ... 27 P. +0.55 +0.2 30 M. +1.22 ... 1908 Jan. 5 M. +0.88 -0.1 7 P. +0.71 -0.2 9 P. -0.82 +1.2 14 M. +0.98 +0.1 19 Hl. +1.20 0.0 Feb. 17 Hl. +0.77 0.0 E.	1908 Mar. 25 P. +0.52 -0.1 E. 27 Fk. +0.16 ... Apr. 3 Fk. +0.08 -0.3 16 M. +1.26 -0.6 20 M. +0.55 -0.7 E. Dec. 9 M. [+0.87] [-0.3] W. 18 L. -0.65 +0.7 27 M. +0.38 0.0 28 P. -0.53 0.0 1909 Jan. 1 L. +2.24 +0.3 5 L. -0.36 +0.9 12 L. +0.39 -0.7 18 P. +0.58 ... Feb. 1 P. +0.54 +0.7 4 P. +0.55 +0.2 Mar. 30 P. -0.83 -0.2 Apr. 2 P. +0.05 +0.4 4 P. +0.61 +0.5 24 L. +0.08 ... 28 L. -0.85 -0.2 W. May 11 P. -0.82 -0.4 E. 12 L. -0.52 -0.4 13 M. +0.56 -0.3 15 L. +1.05 -0.9 17 M. +0.70 -0.1 18 P. +1.16 -0.1 28 P. [-0.05] [+0.2] 29 L. [-0.15] [-0.8] June 2 L. [+0.48] [-0.7] Dec. 10 M. [+0.63] [0.0] 16 L. -0.32 +0.2 17 M. +1.02 +0.2 20 P. +0.33 0.0 22 M. +0.93 -0.4 23 P. +0.22 0.0 26 M. -0.34 -0.2 1910 Jan. 3 P. -0.64 -1.1 7 L. +0.26 -0.5 10 P. +0.75 -0.4 14 L. +0.95 -0.2 1911 Jan. 24 L. -0.23 -0.3 27 L. +1.87 -0.1 30 P. -1.21 -0.3 E. Mean..... +0.328 -0.09 Mag. corr..... +0.010 [+0.356] [-0.23] 6 B. Ursæ Minoris s. p. $\alpha = 12^h 14^m 22^s.593$ $\delta = +88^\circ 15' 15''.61$ 1903 Nov. 10 Br. -0.03 -0.2 W. 24 Br. +0.18 -0.1 27 Br. +0.40 -0.5 Dec. 3 Br. +1.39 -0.2 7 R. +1.22 -0.1 11 R. +1.22 +0.1 17 Br. -0.11 +0.2 22 Br. -0.25 +0.4 1904 Aug. 4 Br. -0.10 -0.2 14 Br. +0.94 -0.1 W. Sept. 22 T. -0.2 E. 25 M. +2.25 -1.2 Oct. 23 Br. +1.28 +0.5 28 Br. +0.46 +0.1 Nov. 5 Y. -0.19 +0.5 11 Br. -0.02 +0.9 17 Y. +0.34 -0.3 19 Y. +1.08 -0.3 21 M. -0.95 -0.1 Dec. 1 Br. +0.99 -0.1 28 M. +0.97 +0.8 30 M. +0.95 -0.6 E.	1905 Aug. 13 M. -0.44 +0.2 W. 23 M. +0.80 -0.4 Sept. 7 Hl. +1.03 ... Oct. 13 Br. +0.91 -0.4 23 Hl. -0.23 ... Nov. 8 Bs. -1.77 -0.2 14 Br. +0.83 -0.2 22 Bs. -0.67 -0.3 Dec. 18 Bs. -1.15 -0.7 19 Hl. -1.36 ... 22 Bs. +1.24 ... 1906 Jan. 5 Br. [+0.63] [+0.1] Aug. 23 Br. +1.10 -0.2 30 Br. +0.16 -0.5 W. 1907 Aug. 25 Hl. -0.91 -0.4 E. 29 Hl. +0.59 +0.2 Sept. 5 Hl. -0.57 -0.5 8 Hl. -0.5 E. 1908 Aug. 2 P. +0.23 -0.2 W. 4 P. +0.47 -0.5 9 P. +0.54 -0.4 Sept. 14 M. +0.62 -0.1 Dec. 7 M. +0.26 -0.8 8 P. +0.50 -0.2 15 P. -0.23 -0.5 19 L. +2.35 +0.2 23 L. +1.57 +0.2 26 L. +1.38 +0.4 28 M. +0.01 -0.4 29 P. +1.53 -0.8 1909 Jan. 1 P. -0.02 -0.3 W. Dec. 8 M. -0.55 -0.4 E. 9 L. +2.07 +0.2 16 M. +0.05 -0.5 18 M. +0.18 -0.5 20 M. -0.24 +0.6 21 P. +0.65 -0.6 22 L. +0.67 -0.2 24 P. +1.60 +0.1 28 P. -0.44 -0.3 31 P. +0.84 -0.4 1910 Jan. 8 L. [+0.74] [+0.5] 1911 Jan. 4 L. +0.25 +1.1 6 P. [+1.15] [-0.4] 7 L. [-0.18] [+0.2] E. Mean..... +0.424 -0.15 Mag. corr..... +0.012 η Virginis $\alpha = 12^h 14^m 47^s.366$ $\delta = -0^\circ 6' 40''.01$ 1903 Dec. 7 Br. [+0.04] [+0.5] W. 9 Br. [-0.04] [+0.5] 17 M. 0.00 +0.8 18 R. +0.03 +0.7 20 M. -0.01 -0.2 22 R. +0.01 +0.2 27 M. +0.01 -0.2 1904 Feb. 2 R. 0.00 ... Mar. 16 Ei.Y. -0.02 +0.8 28 Ei.Y. +0.03 +0.8 Apr. 5 Ei.Y. +0.05 +1.0 13 M. +0.03 +0.2 14 Ei.Y. +0.06 +1.1 15 Ei.Y. -0.02 -0.3 16 Ei.Y. +0.04 +1.0 20 Ei.Y. +0.02 +1.2 22 Br. -0.03 +0.5 W.
--	--	---	---

1904			1905			1908			1907		
May 11	Ei.Y.	0.00 +0.7 W.	Mar. 27	Ei.Y.	16.11 9.9 E.	May 11	M.	0.00 -0.3 W.	May 11	P.	5.43 E.
12	Ei.Y.	-0.03 +0.9 W.	Apr. 18	Br.	16.14 10.4 E.	20	Fk.	-0.02 -0.8	20	M.	5.51 56.8
Dec. 19	Br.	0.00 +0.1 E.	1906			22	P.	-0.02 +0.2	1908		
1905			Mar. 9	Ei.Y.	16.18 10.5 W.	23	M.	+0.01 -0.1 W.	Jan. 10	M.	5.60 56.5
Jan. 13	M.	+0.04 +0.9	1907			Mean..... -0.022 -0.60			21	P.	5.53 56.9
Apr. 13	Ei.Y.	+0.02 +1.5	May 11	P.	16.19 10.6 E.	Mag. corr..... +0.003			25	P.	5.61 56.1
14	Ei.Y.	+0.10 +0.9	14	Hl.	16.14 10.0	B. D. -6° 3557			Mar. 15	Hl.	5.53 55.3 E.
19	Ei.M.	-0.01 +0.3	20	M.	16.15 10.4	$\alpha = 12^h 18^m$			Mean..... 5.525 55.54		
May 22	Hl.	0.00 +0.2 E.	21	Hl.	16.17 9.7	$\delta = -6^\circ 44'$			Mag. corr..... -0.005		
1906			1908			1904			B. D. -0° 2570		
Mar. 10	Ei.Y.	-0.05 +0.9 W.	Jan. 10	M.	16.16 9.8 E.	Apr. 16			$\alpha = 12^h 20^m$		
21	Ei.Y.	-0.01 ...	May 1	P.	16.09 9.7 W.	20			$\delta = -0^\circ 30'$		
Apr. 2	Ei.Y.	+0.04 +1.2	2	Fk.	16.05 10.9	1905			1904		
6	Ei.Y.	+0.03 +1.5	10	P.	16.12 10.2	Apr. 24			Apr. 21	Ei.Y.	10.78 57.1 W.
13	Ei.Y.	+0.06 +0.5 W.	17	P.	16.06 10.1	1906			May 2	Ei.Y.	10.80 56.2 W.
1907			18	M.	16.12 10.4 W.	Mean..... 0.920 39.72			1905		
Apr. 17	P.	-0.03 +0.2 E.	Mean..... 16.135 10.22			Mag. corr..... +0.010			Mar. 25	Ei.M.	10.83 56.9 E.
1908			B. D. +0° 2932			B. D. -4° 3268			1906		
Jan. 21	P.	+0.02 -0.6	$\alpha = 12^h 16^m$			$\alpha = 12^h 18^m$			Mar. 10	Ei.Y.	10.79 56.3 W.
Mar. 17	P.	0.00 ...	$\delta = +0^\circ 23'$			$\delta = -4^\circ 25'$			Mean..... 10.800 56.62		
Apr. 7	Fk.	-0.05 ...	1904			1904			Mag. corr..... -0.010		
12	Fk.	-0.01 +0.6 E.	Apr. 21	Ei.Y.	30.70 50.9 W.	Mar. 16			B. D. +2° 2539		
May 22	P.	+0.01 ... W.	May 2	Ei.Y.	30.70 51.6 W.	Apr. 21			$\alpha = 12^h 20^m$		
1909			1905			1905			$\delta = +2^\circ 35'$		
Feb. 17	M.	+0.04 +1.2	Mar. 25	Ei.M.	30.74 50.8 E.	Apr. 19			1904		
24	M.	+0.03 +1.2	1906			1906			Mar. 28	Ei.Y.	54.41 46.7 W.
Mar. 7	M.P.	-0.01 +1.2	Mar. 10	Ei.Y.	30.67 51.3 W.	Mean..... 6.820 8.90			29	Ei.Y.	54.36 45.6 W.
Apr. 3	L.	-0.02 +0.6	Mean..... 30.702 51.15			Mag. corr..... +0.015			1905		
22	M.	0.00 ... W.	B. D. -1° 2657			B. D. +1° 2689			Apr. 13	Ei.Y.	54.41 46.2 E.
May 28	L.	-0.02 +0.3 E.	$\alpha = 12^h 17^m$			$\alpha = 12^h 18^m$			1906		
Dec. 5	M.	[-0.06] [-0.6]	$\delta = -2^\circ 13'$			$\delta = +1^\circ 16'$			Apr. 2	Ei.Y.	54.33 46.6 W.
1910			1904			1904			Mean..... 54.378 46.28		
Feb. 24	P.	-0.02 0.0	Mar. 28	Ei.Y.	13.57 14.8 W.	Mar. 9			Mag. corr..... +0.005		
25	P.	+0.03 +0.5	29	Ei.Y.	13.55 15.3 W.	15			6 Canum Venaticorum		
26	L.	+0.01 0.0	1905			1905			$\alpha = 12^h 20^m$		
Mar. 4	L.	+0.02 0.0	Apr. 13	Ei.Y.	13.62 14.9 E.	Apr. 20			$\delta = +39^\circ 34'$		
22	P.	-0.04 +0.5	1906			Mar. 20			1903		
23	L.	+0.02 +0.6	Apr. 2	Ei.Y.	13.59 14.9 W.	Mean..... 23.100 17.98			Dec. 9	Br.	[55.34] [24.4] W.
24	M.	-0.04 +0.4	Mean..... 13.582 14.98			Mag. corr..... -0.006			22	R.	55.38 25.9 W.
25	P.	+0.06 +1.2	B. D. +6° 2599			B. D. +2° 2536			1907		
26	L.	+0.03 +1.1	$\alpha = 12^h 17^m$			$\alpha = 12^h 19^m$			May 23	M.	55.42 24.4 E.
Apr. 19	P.	-0.04 +0.6	$\delta = +5^\circ 51'$			$\delta = +1^\circ 56'$			Dec. 20	P.	55.35 24.3
22	P.	-0.03 +0.8	1904			1904			24	P.	55.37 24.5
26	P.	-0.02 +0.8	May 11	Ei.Y.	26.91 42.2 W.	Mar. 4			25	M.	55.41 24.7
27	L.	-0.03 +0.9	12	Ei.Y.	26.90 42.0 W.	28			1908		
30	L.	+0.01 +0.1	1905			Mar. 27			Mar. 12	M.	55.38 24.4
May 18	L.	+0.07 +1.2	Apr. 13	Ei.Y.	26.91 42.3 W.	1906			26	M.	55.45 24.5 E.
19	M.	-0.02 -0.3	Mean..... 26.900 42.00			Mar. 9			May 1	P.	55.42 24.5 W.
Nov. 25	L.	[-0.01] [+0.2]	Mag. corr..... -0.013			Mean..... 33.895 16.73			2	Fk.	55.36 24.6 W.
Dec. 16	L.	+0.03 +0.8	B. D. +6° 2599			Mag. corr..... +0.003			Mean..... 55.393 24.64		
1911			$\alpha = 12^h 17^m$			B. D. -5° 3497			$\alpha = 12^h 21^m$		
Mar. 15	L.	+0.02 +1.2 E.	$\delta = +5^\circ 51'$			$\alpha = 12^h 20^m$			$\delta = -5^\circ 29'$		
Mean..... +0.007 +0.62			1904			1904			1904		
Mag. corr..... -0.006			May 11	Ei.Y.	26.91 42.2 W.	Mar. 4			May 11	Ei.Y.	19.57 11.8 W.
B. D. -5° 3476			12	Ei.Y.	26.90 42.0 W.	28			12	Ei.Y.	19.52 11.6 W.
$\alpha = 12^h 15^m$			1905			1905			1905		
$\delta = -6^\circ 0'$			Apr. 20	Ei.Y.	26.88 41.5 E.	Mar. 27			Apr. 17	Ei.Y.	19.50 11.4 E.
1904			Apr. 13	Ei.Y.	26.91 42.3 W.	1906			1906		
Mar. 9	Ei.Y.	15.66 6.1 W.	Mean..... 26.900 42.00			Mar. 9			Apr. 13	Ei.Y.	19.53 11.6 W.
15	Ei.Y.	15.68 6.2 W.	Mag. corr..... +0.017			Mean..... 33.895 16.73			Mean..... 19.530 11.60		
1905			12 Comæ Berenices			Mag. corr..... +0.003			Mag. corr..... -0.013		
Apr. 20	Ei.Y.	15.72 7.1 E.	$\alpha = 12^h 17^m 28^s.798$			x ² Centauri					
1906			$\delta = +26^\circ 24' 4''.51$			$\alpha = 12^h 20^m$					
Mar. 20	Ei.Y.	15.72 5.8 W.	1904			$\delta = -34^\circ 37'$					
Mean..... 15.695 6.30			Apr. 19	Br.	-0.08 -0.6 W.	1903					
Mag. corr..... -0.010			Apr. 16	Br.	0.00 -0.9 E.	Dec. 17					
c Virginis			28	Br.	-0.07 -0.7	20					
$\alpha = 12^h 15^m$			May 24	M.	+0.01 -1.1	27					
$\delta = +3^\circ 52'$			1907			1904					
1904			May 18	P.	-0.03 -0.7	May 13					
Mar. 4	Ei.Y.	16.17 W.	1908			1906					
29	Ei.Y.	16.14 10.2 W.	Jan. 8	M.	-0.02 -1.0 E.	Jan. 29					
Dec. 20	M.	16.17 10.5 E.									

14 Comæ Berenices			1905 s "			1905 s "			1909 s "		
$\alpha = 12^{\text{h}} 21^{\text{m}}$ $\delta = +27^{\circ} 49'$			Dec. 21 Bs. 57.24 27.4 W.			Apr. 13 Ei.Y. 1.97 33.6 E.			Jan. 5 L. -0.05 +2.2 W.		
1903 s "			1906 16 Bs. 57.23 26.8 W.			1906 Apr. 2 Ei.Y. 1.92 33.5 W.			17 M. -0.03 +1.4		
Dec. 18 R. 24.14 20.2 W.			1907 May 21 Hl. 57.27 27.1 E.			Mean..... 1.935 33.85			18 P. -0.01 ...		
1904 Apr. 19 Br. 24.10 20.0 W.			1908 Mar. 27 Fk. 57.28 26.9			Mag. corr..... +0.005			20 M. +0.01 0.0		
1907 May 14 Hl. 24.04 20.3 E.			Apr. 3 Fk. 57.27 26.9			B. D. -0° 2583			26 P. +0.05 0.0		
1908 Jan. 8 M. 24.09 20.1			22 Fk. 57.26 27.2 E.			$\alpha = 12^{\text{h}} 24^{\text{m}}$			Feb. 17 M. +0.06 +0.4		
Apr. 4 P. 24.10 21.2			1909 Jan. 20 M. 57.26 26.4 W.			$\delta = -0^{\circ} 40'$			24 M. -0.03 +1.4		
11 P. 24.10 20.5			26 P. 57.29 26.6 W.			1904 s "			Apr. 2 P. -0.02 +0.2		
12 Fk. 24.08 20.6 E.			Mean..... 57.272 26.91			May 11 Ei.Y. 15.32 46.9 W.			3 L. +0.03 +0.4		
May 10 P. 24.16 20.9 W.			Mag. corr..... +0.005			1905 Apr. 17 Ei.Y. 15.30 47.0 E.			4 P. 0.00 +0.7 W.		
11 M. 24.08 19.7			33 H ⁱ . Virginis			1906 Apr. 13 Ei.Y. 15.34 47.3 W.			Dec. 10 M. [0.00] [+0.1] E.		
17 P. 24.12 20.7 W.			$\alpha = 12^{\text{h}} 22^{\text{m}}$ $\delta = -4^{\circ} 3'$			Mean..... 15.308 47.00			16 L. -0.01 +0.2		
Mean..... 24.101 20.42						Mag. corr..... -0.008			17 M. 0.00 +0.9		
Mag. corr..... 0.000									1910 Feb. 26 L. +0.05 -0.1		
323 G. Hydræ			1904 s "						Dec. 16 L. +0.06 +0.4		
$\alpha = 12^{\text{h}} 21^{\text{m}}$ $\delta = -32^{\circ} 16'$			Mar. 9 Ei.Y. 43.69 42.1 W.						19 P. -0.05 +0.2		
1904 s "			15 Ei.Y. 43.65 42.0 W.						20 L. -0.02 +1.0		
Dec. 20 M. 35.38 32.1 E.			1905 Apr. 20 Ei.Y. 43.69 42.8 E.						26 P. +0.08 +0.8		
1905 Jan. 19 Br. 35.45 30.9			1906 Mar. 20 Ei.Y. 43.71 42.1 W.						27 L. 0.00 +0.7 E.		
Apr. 18 Br. 35.36 30.8			Apr. 18 Bs. 43.73 43.4						Mean..... +0.016 +0.49		
May 24 M. 35.42 31.4			May 2 Bs. 43.63 42.7 W.						Mag. corr..... 0.000		
1908 Apr. 21 P. 35.51 31.5 E.			1908 Jan. 5 M. 43.57 42.8 E.						20 Comæ Berenices		
May 20 Fk. 35.43 31.2 W.			7 P. 43.68 43.0						$\alpha = 12^{\text{h}} 24^{\text{m}} 41^{\text{s}}.924$ $\delta = +21^{\circ} 26' 59''.26$		
22 P. 35.42 32.3			9 P. 43.60 42.4						1906 s "		
1909 Jan. 17 M. 35.43 31.3			14 M. 43.67 41.8 E.						Apr. 27 Br. -0.05 +0.1 W.		
Feb. 13 M. 35.43 31.2			May 23 M. 43.67 42.0 W.						May 2 Bs. -0.03 0.0		
17 M. 35.48 32.0 W.			1909 Feb. 4 P. 43.70 43.9						4 Br. -0.08 -0.4 W.		
Mean..... 35.431 31.47			11 P. 43.66 42.8 W.						1907 May 20 M. -0.07 +0.1 E.		
Mag. corr..... -0.006			Mean..... 43.665 42.60						Dec. 24 P. -0.08 +0.3		
B. D. +0° 2944			B. D. -7° 3409						25 M. -0.06 +0.4		
$\alpha = 12^{\text{h}} 21^{\text{m}}$ $\delta = +0^{\circ} 22'$			$\alpha = 12^{\text{h}} 22^{\text{m}}$ $\delta = -8^{\circ} 7'$						1908 Jan. 8 M. -0.01 +0.4		
1904 s "			1904 s "						21 P. -0.07 +0.5 E.		
Apr. 16 Ei.Y. 38.84 14.0 W.			Mar. 4 Ei.Y. 47.43 W.						May 25 M. -0.08 +0.2 W.		
20 Ei.Y. 38.84 14.2 W.			Apr. 16 Ei.Y. 47.45 24.3 W.						1909 Jan. 12 L. -0.03 0.0 W.		
1905 Apr. 24 Ei.Y. 38.81 13.8 E.			1905 Mar. 27 Ei.Y.* 47.41 24.6 E.						Mean..... -0.056 +0.16		
1906 Apr. 10 Ei.Y. 38.83 14.8 W.			1906 Mar. 9 Ei.Y. 47.39 24.2 W.						Mag. corr..... -0.006		
Mean..... 38.830 14.20			Mean..... 47.420 24.37						B. D. -5° 3513		
Mag. corr..... +0.005			Mag. corr..... +0.015						$\alpha = 12^{\text{h}} 24^{\text{m}}$ $\delta = -5^{\circ} 28'$		
B. D. -2° 3519			B. D. +5° 2631						1904 s "		
$\alpha = 12^{\text{h}} 21^{\text{m}}$ $\delta = -2^{\circ} 58'$			$\alpha = 12^{\text{h}} 23^{\text{m}}$ $\delta = +4^{\circ} 57'$						Apr. 16 Ei.Y. 53.69 7.2 W.		
1904 s "			1904 s "						20 Ei.Y. 53.68 7.3 W.		
Mar. 16 Ei.Y. 51.87 42.5 W.			Apr. 21 Ei.Y. 12.53 1.0 W.						1905 Apr. 24 Ei.Y. 53.64 7.1 E.		
29 Ei.Y. 51.83 43.0 W.			May 2 Ei.Y. 12.63 1.4 W.						1906 Apr. 10 Ei.Y. 53.64 6.5 W.		
1905 Apr. 19 Ei.M. 51.83 42.2 E.			1905 Mar. 25 Ei.M. 12.55 1.0 E.						Mean..... 53.662 7.02		
1906 Apr. 7 Ei.Y. 51.84 43.5 W.			1906 Mar. 10 Ei.Y. 12.56 2.3 W.						Mag. corr..... +0.010		
Mean..... 51.842 42.80			Mean..... 12.568 1.42						B. D. -6° 3583		
Mag. corr..... -0.001			Mag. corr..... +0.014						$\alpha = 12^{\text{h}} 24^{\text{m}}$ $\delta = -6^{\circ} 26'$		
15 Comæ Berenices			B. D. -1° 2674						1904 s "		
$\alpha = 12^{\text{h}} 21^{\text{m}}$ $\delta = +28^{\circ} 49'$			$\alpha = 12^{\text{h}} 24^{\text{m}}$ $\delta = -1^{\circ} 52'$						Mar. 16 Ei.Y. 56.35 16.3 W.		
1904 s "			1904 s "						May 7 Ei.Y. 56.35 15.5 W.		
Dec. 30 Br. 57.31 27.1 E.			Mar. 28 Ei.Y. 1.93 33.8 W.						1905 Apr. 19 Ei.M. 56.41 16.3 E.		
			29 Ei.Y. 1.92 34.5 W.						1906 Apr. 7 Ei.Y. 56.36 16.2 W.		
									Mean..... 56.368 16.08		
									Mag. corr..... -0.008		

74 Ursæ Majoris			B. D. -4° 3296			1906			1909		
$\alpha = 12^h 25^m$			$\alpha = 12^h 26^m$			Mar. 20 Ei.Y.	4.80	4.6 W.	Dec. 20 M.	+0.02	+0.6 E.
$\delta = +58^\circ 57'$			$\delta = -4^\circ 30'$			Mean.....	4.758	4.78	21 P.	+0.19	-0.6
1904	s	"	1904	s	"	Mag. corr.....	-0.001		22 L.	+0.04	+2.1
Dec. 20 M.	17.13	21.7 E.	May 11 Ei.Y.	30.17	2.9 W.	β Corvi			24 P.	+0.09	+1.0
1905			12 Ei.Y.	30.19	3.1 W.	$\alpha = 12^h 29^m$	7 ^s .945		28 P.	+0.02	-0.2 E.
Jan. 16 Br.	17.24	22.5	1905			$\delta = -22^\circ 50'$	37 ^s ..89		Mean.....	+0.030	+0.12
19 Br.	17.17	21.8	Apr. 17 Ei.Y.	30.10	3.2 E.	1905	s	"	Mag. corr.....	-0.008	
22 Y.	17.25	21.7	1906			Apr. 22 M.	+0.11	+1.1 E.	B. D. -0° 2590		
Apr. 18 Br.	17.07	21.6 E.	Apr. 13 Ei.Y.	30.17	2.9 W.	27 Y.	+0.13	+1.3	$\alpha = 12^h 29^m$		
Dec. 21 Bs.	17.12	22.1 W.	Mean.....	30.158	3.02	28 Br.	+0.07	+0.8	$\delta = -0^\circ 51'$		
1906			Mag. corr.....	+0.020		May 2 Br.	+0.06	0.0	1904	s	"
Jan. 16 Bs.	17.22	21.7	B. D. +0° 2952			12 Br.	+0.11	+0.4 E.	Mar. 4 Ei.Y.	15.67	.... W.
18 Br.	17.12	21.9	$\alpha = 12^h 27^m$			1908			Apr. 16 Ei.Y.	15.64	22.2 W.
May 17 P.	17.09	22.2	$\delta = +0^\circ 16'$			May 1 P.	+0.07	+0.8 W.	1905		
18 M.	17.15	22.5 W.	1904	s	"	10 P.	+0.10	+0.7	Mar. 27 Ei.Y.	15.69	23.3 E.
Mean.....	17.156	21.97	Apr. 16 Ei.Y.	52.13	37.7 W.	20 Fk.	+0.06	+0.6	1906		
Mag. corr.....	-0.003		20 Ei.Y.	52.09	37.7 W.	22 P.	+0.04	+0.8	Mar. 9 Ei.Y.	15.67	22.3 W.
B. D. +4° 2622			1905			23 M.	+0.11	+1.2 W.	Mean.....	15.668	22.60
$\alpha = 12^h 25^m$			Apr. 24 Ei.Y.	52.10	38.0 E.	1909			Mag. corr.....	+0.010	
$\delta = +4^\circ 3'$			1906			Dec. 16 L.	+0.09	+0.2 E.	23 Comæ Berenices		
1904	s	"	Apr. 10 Ei.Y.	52.10	38.5 W.	1910			$\alpha = 12^h 29^m 52^s.135$		
Mar. 9 Ei.Y.	28.45	40.4 W.	Mean.....	52.105	37.98	Dec. 16 L.	+0.09	+0.8	$\delta = +23^\circ 10' 48''.18$		
15 Ei.Y.	28.44	40.2 W.	Mag. corr.....	+0.001		20 L.	+0.08	+0.8 E.	1903	s	"
1905			B. D. -8° 3372			Mean.....	+0.086	+0.73	Dec. 10 R.	....	[+0.2] W.
Apr. 20 Ei.Y.	28.44	39.4 E.	$\alpha = 12^h 28^m$			Mag. corr.....	+0.002		11 Br.	[-0.03]	[+0.5]
1906			$\delta = -8^\circ 54'$			κ Draconis			1904		
Mar. 20 Ei.Y.	28.47	40.2 W.	1904	s	"	$\alpha = 12^h 29^m 12^s.957$			Apr. 19 Br.	-0.01	0.0
Mean.....	28.450	40.05	Mar. 16 Ei.Y.	37.02	0.6 W.	$\delta = +70^\circ 20' 22''.11$			1905		
Mag. corr.....	+0.007		28 Ei.Y.	37.03	0.2 W.	1903	s	"	Dec. 21 Bs.	-0.02	-0.2
B. D. -3° 3309			1905			Dec. 20 M.	-0.27	-0.2 W.	1906		
$\alpha = 12^h 25^m$			Apr. 19 Ei.M.	37.08	0.8 E.	30 Br.	-0.18	+0.1	Jan. 1 Br.	0.00	-0.1 W.
$\delta = -3^\circ 30'$			1906			1904			1907		
1904	s	"	Apr. 7 Ei.Y.	37.03	1.1 W.	Feb. 3 Br.	0.00	-0.3 W.	Apr. 30 Hl.	-0.06	-0.4 E.
Mar. 4 Ei.Y.	42.30	.... W.	Mean.....	37.040	0.68	1907			May 11 P.	-0.03	-0.4
Apr. 20 Ei.Y.	42.30	29.5 W.	Mag. corr.....	-0.003		May 13 M.	-0.06	+0.2 E.	18 P.	-0.05	-0.4
1905			8 Canum Venaticorum			Dec. 24 P.	+0.04	+0.7	Dec. 25 M.	0.00	+0.2
Mar. 27 Ei.Y.	42.26	29.7 E.	$\alpha = 12^h 28^m 59^s.335$			27 P.	+0.05	0.0	1908		
1906			$\delta = +41^\circ 54' 4''.96$			1908			Jan. 21 P.	-0.06	+0.1 E.
Mar. 9 Ei.Y.	42.31	29.6 W.	1903	s	"	Feb. 8 P.	+0.14	-0.2	Mean.....	-0.029	-0.15
Mean.....	42.292	29.60	Dec. 22 R.	-0.07	+1.3 W.	20 Hl.	-0.15	-0.8	Mag. corr.....	+0.002	
Mag. corr.....	+0.010		1905			1909			24 Comæ Berenices		
B. D. +2° 2552			May 24 M.	-0.06	-0.3 E.	Dec. 10 M.	[-0.03]	[+0.2]	$\alpha = 12^h 30^m 6^s.838$		
$\alpha = 12^h 26^m$			1906			17 M.	+0.10	0.0	$\delta = +18^\circ 55' 39''.15$		
$\delta = +1^\circ 52'$			Apr. 18 Bs.	-0.08	+0.4 W.	20 P.	+0.07	-0.5	1904	s	"
1904	s	"	May 2 Bs.	-0.11	+1.0	22 M.	+0.08	+0.2	Dec. 30 Br.	+0.11	+0.1 E.
Apr. 21 Ei.Y.	7.90	47.4 W.	4 Br.	-0.12	+0.4 W.	23 P.	....	+0.2	1905		
May 2 Ei.Y.	7.97	47.6 W.	1907			1910			Jan. 16 Br.	+0.07	+1.4
1905			Apr. 17 P.	-0.14	+1.0 E.	Jan. 7 L.	+0.06	+0.1	22 Y.	+0.01	+0.5
Mar. 25 Ei.M.	7.97	47.3 E.	May 17 Hl.	-0.05	+0.4	10 P.	+0.04	-1.0	May 16 Br.	+0.06	+0.4
1906			Dec. 20 P.	-0.10	+0.5	14 L.	0.00	+0.3 E.	22 Hl.	0.00	+1.3 E.
Mar. 10 Ei.Y.	7.99	48.1 W.	1908			Mean.....	-0.006	-0.08	1906		
Mean.....	7.958	47.60	Jan. 5 M.	-0.04	+0.8	Mag. corr.....	-0.005		Jan. 12 Hl.	-0.07	-0.2 W.
Mag. corr.....	+0.002		10 M.	+0.06	+0.8 E.	κ Draconis s. p.			16 Bs.	0.00	+0.8
B. D. +3° 2660			May 2 Fk.	-0.12	+1.4 W.	$\alpha = 12^h 29^m 12^s.965$			18 Br.	-0.03	+1.2
$\alpha = 12^h 26^m$			Mean.....	-0.075	+0.70	$\delta = +70^\circ 20' 22''.10$			Mar. 31 Bs.	+0.05	+0.6
$\delta = +2^\circ 51'$			Mag. corr.....	+0.007		1904	s	"	1908		
1904	s	"	B. D. -2° 3533			Sept. 25 M.	+0.03	+0.3 E.	May 11 M.	-0.05	+0.6
Mar. 28 Ei.Y.	10.89	18.7 W.	$\alpha = 12^h 29^m$			Oct. 21 Br.	+0.06	-0.9	1909		
29 Ei.Y.	10.83	17.9 W.	$\delta = -3^\circ 10'$			Nov. 11 Br.	+0.10	+1.2	Jan. 5 L.	+0.03	+1.2 W.
1905			1904	s	"	15 Br.	-0.06	-1.0	May 11 P.	+0.07	+0.6 E.
Apr. 13 Ei.Y.	10.94	19.4 E.	Mar. 9 Ei.Y.	4.74	4.5 W.	17 Y.	-0.06	+0.3 E.	12 L.	+0.05	+0.3
1906			15 Ei.Y.	4.74	4.7 W.	1905			13 M.	-0.03	+0.1
Apr. 2 Ei.Y.	10.90	19.0 W.	1905			Oct. 31 Br.	+0.04	+0.2 W.	15 L.	-0.03	+0.1
Mean.....	10.890	18.75	Apr. 20 Ei.Y.	4.75	5.3 E.	Nov. 1 Bs.	-0.24	+1.1	17 M.	0.00	+0.4
Mag. corr.....	-0.007					10 Bs.	-0.23	-0.6	18 P.	+0.03	+0.5
						Dec. 1 Br.	+0.25	+0.3	28 P.	+0.04	+0.8
						6 Bs.	+0.09	-0.8 W.	29 L.	[+0.02]	[+0.3] E.
						1909			June 2 L.	[+0.01]	[+0.6] E.
						Dec. 9 L.	+0.07	-0.4 E.	Mean.....	+0.017	+0.59
						16 M.	+0.10	-0.5 E.	Mag. corr.....	-0.001	

B. D. -6° 3598 $\alpha = 12^h 30^m$ $\delta = -6^\circ 53'$			B. D. +4° 2631 $\alpha = 12^h 32^m$ $\delta = +3^\circ 49'$			χ Virginis $\alpha = 12^h 34^m$ $\delta = -7^\circ 26'$			1906 Mar. 20 Ei.Y. 58.59 24.9 W. Mean..... 58.582 24.80 Mag. corr..... -0.008		
1904	s	"	1904	s	"	1904	s	"	γ Virginis (pr.) $\alpha = 12^h 36^m 35^s.374$ $\delta = -0^\circ 54' 3''.31$		
Apr. 21 Ei.Y.	35.40	46.2 W.	Mar. 16 Ei.Y.	58.56	59.0 W.	Mar. 28 Ei.Y.	5.05	41.4 W.	1904		
May 2 Ei.Y.	35.42	45.5 W.	29 Ei.Y.	58.54	58.5 W.	29 Ei.Y.	4.98	42.3 W.	Mar. 16 Ei.Y.		
1905			1905			1905			May 7 Ei.Y.		
Mar. 25 Ei.M.	35.47	46.2 E.	Apr. 19 Ei.Y.	58.57	58.8 E.	Jan. 19 Br.	5.07	42.0 E.	1905		
1906			1906			Apr. 13 Ei.Y.	5.05	41.4	Apr. 14 Ei.Y.		
Mar. 10 Ei.Y.	35.43	47.2 W.	Apr. 7 Ei.Y.	58.57	58.7 W.	16 Br.	5.01	42.2	17 Ei.Y.		
Mean.....	35.430	46.28	Mean.....	58.560	58.75	18 Br.	5.03	41.9 E.	28 Br.		
Mag. corr.....	-0.001		Mag. corr.....	+0.021		1906			May 1 Y.		
B. D. +1° 2721 $\alpha = 12^h 30^m$ $\delta = +1^\circ 9'$			B. D. -10° 3512 $\alpha = 12^h 33^m$ $\delta = -10^\circ 58'$			Jan. 1 Br.	5.13	42.4 W.	2 Br.		
1904	s	"	1904	s	"	16 Bs.	5.09	41.5	12 Br.		
Mar. 28 Ei.Y.	43.51	.... W.	Mar. 9 Ei.Y.	8.68	1.6 W.	18 Br.	5.00	42.2	1906		
29 Ei.Y.	43.43	34.6 W.	15 Ei.Y.	8.63	1.6 W.	24 Hl.	4.99	42.6	Mar. 9 Ei.Y.		
1905			1905			Mar. 31 Bs.	5.06	42.2	1908		
Apr. 13 Ei.Y.	43.55	35.8 E.	Apr. 20 Ei.Y.	8.72	2.1 E.	Apr. 2 Ei.Y.	5.01	41.3 W.	May 11 M.		
1906			1906			1907			1909		
Mar. 9 Ei.Y.	43.48	35.7 W.	Mar. 20 Ei.Y.	8.66	0.8 W.	Dec. 24 P.	5.00	42.6 E.	Jan. 5 L.		
Apr. 2 Ei.Y.	43.49	35.6	Mean.....	8.672	1.52	1908			17 M.		
10 Ei.Y.	43.49	35.8 W.	Mag. corr.....	-0.001		Jan. 5 M.	5.02	42.2 E.	18 P.		
1907			B. D. +2° 2560 $\alpha = 12^h 33^m$ $\delta = +2^\circ 24'$			Mean.....	5.035	42.01	Feb. 1 P.		
May 9 Ei.M.	43.53	34.9 E.	1904	s	"	Mag. corr.....	+0.003		4 P.		
Mean.....	43.497	35.40	Mar. 4 Ei.Y.	16.36	.... W.	B. D. +0° 2966 $\alpha = 12^h 34^m$ $\delta = +0^\circ 15'$			Mean.....		
Mag. corr.....	-0.010		28 Ei.Y.	16.37	19.5 W.	1904	s	"	Mag. corr.....		
f Virginis $\alpha = 12^h 31^m 38^s.264$ $\delta = -5^\circ 16' 50''.84$			1905			May 11 Ei.Y.	17.52	12.8 W.	γ Virginis (mean) $\alpha = 12^h 36^m$ $\delta = -0^\circ 54' 3''.32$		
1904	s	"	Mar. 27 Ei.Y.	16.34	18.4 E.	12 Ei.Y.	17.42	12.9 W.	1905		
May 11 Ei.Y.	+0.04	+0.5 W.	1906			Apr. 17 Ei.Y.	17.46	13.1 E.	Apr. 14 Ei.Y.		
12 Ei.Y.	+0.01	+0.7 W.	Mar. 9 Ei.Y.	16.35	19.5 W.	1906			27 Y.		
1905			Mean.....	16.355	19.13	Apr. 13 Ei.Y.	17.51	12.7 W.	Mean.....		
Apr. 20 Ei.Y.	0.00	+0.3 E.	Mag. corr.....	+0.023		Mean.....	17.478	12.88	Mag. corr.....		
1906			B. D. -3° 3329 $\alpha = 12^h 33^m$ $\delta = -3^\circ 49'$			Mag. corr.....	-0.010		γ Virginis (fol.) $\alpha = 12^h 36^m 35^s.374$ $\delta = -0^\circ 54' 3''.31$		
Apr. 13 Ei.Y.	+0.02	+0.7 W.	1904	s	"	B. D. -5° 3542 $\alpha = 12^h 34^m$ $\delta = -5^\circ 33'$			1905		
1907			Apr. 21 Ei.Y.	34.79	24.8 W.	1904	s	"	Mar. 4 Ei.Y.		
May 20 M.	+0.01	+1.0 E.	May 2 Ei.Y.	34.80	24.3 W.	Apr. 16 Ei.Y.	21.14	1.7 W.	May 7 Ei.Y.		
21 Hl.	+0.02	+0.7	1905			20 Ei.Y.	21.11	2.5 W.	1906		
1908			Mar. 25 Ei.M.	34.80	24.4 E.	1905			Apr. 14 Ei.Y.		
Feb. 21 P.	+0.06	-0.2	1906			Apr. 24 Ei.Y.	21.15	2.4 E.	17 Ei.Y.		
Mar. 12 M.	+0.04	+0.8	Mar. 10 Ei.Y.	34.78	24.0 W.	1906			28 Br.		
Apr. 3 Fk.	+0.04	+1.3 E.	Mean.....	34.792	24.38	Apr. 10 Ei.Y.	21.14	1.9 W.	May 1 Y.		
May 17 P.	+0.01	+1.0 W.	Mag. corr.....	+0.013		Mean.....	21.135	2.12	2 Br.		
18 M.	+0.07	+0.7	9 Canum Venaticorum $\alpha = 12^h 33^m$ $\delta = +41^\circ 25'$			Mag. corr.....	+0.013		12 Br.		
25 M.	+0.04	+1.0	1904	s	"	B. D. -2° 3552 $\alpha = 12^h 34^m$ $\delta = -2^\circ 30'$			1906		
1909			Dec. 30 Br.	57.70	30.2 E.	1904	s	"	Mar. 9 Ei.Y.		
Jan. 12 L.	+0.02	+0.7	1905			Mar. 16 Ei.Y.	45.45	58.8 W.	1908		
17 M.	-0.04	+1.0 W.	Jan. 22 Y.	57.60	....	Apr. 21 Ei.Y.	45.44	59.4 W.	May 11 M.		
Mean.....	+0.024	+0.73	1907			1905			1909		
Mag. corr.....	-0.007		May 4 P.	57.51	30.0	Apr. 19 Ei.M.	45.49	59.4 E.	Jan. 5 L.		
B. D. -1° 2699 $\alpha = 12^h 31^m$ $\delta = -1^\circ 46'$			18 P.	57.59	30.0	1906			17 M.		
1904	s	"	Dec. 27 P.	57.61	29.4 E.	Apr. 7 Ei.Y.	45.47	59.6 W.	18 P.		
Apr. 16 Ei.Y.	57.79	2.0 W.	1908			Mean.....	45.462	59.30	Feb. 1 P.		
20 Ei.Y.	57.77	2.8 W.	May 1 P.	57.60	29.8 W.	Mag. corr.....	+0.001		4 P.		
1905			2 Fk.	57.59	30.0	B. D. -9° 3534 $\alpha = 12^h 35^m$ $\delta = -9^\circ 16'$			Mean.....		
Apr. 24 Ei.Y.	57.77	3.3 E.	10 P.	57.60	29.5	1904	s	"	Mag. corr.....		
1906			20 Fk.	57.59	29.6	Mar. 9 Ei.Y.	58.58	24.8 W.	B. D. -6° 3626 $\alpha = 12^h 36^m$ $\delta = -6^\circ 57'$		
Apr. 10 Ei.Y.	57.82	2.6 W.	22 P.	57.66	29.0 W.	15 Ei.Y.	58.54	24.6 W.	1904		
Mean.....	57.788	2.68	Mean.....	57.605	29.72	1905			Apr. 21 Ei.Y.		
Mag. corr.....	+0.012		Mag. corr.....	+0.009		Apr. 20 Ei.Y.	58.62	24.9 E.	May 2 Ei.Y.		

1905	s	"	1909	s	"	330 G. Hydræ	1905	s	"
Mar. 25 Ei.M.	47.40	1.1 E.	Jan. 26 P.	+0.03	+0.9 W.	$\alpha = 12^h 38^m$	Apr. 20 Ei.Y.	27.16	1.6 E.
1906			Mar. 7 M.	-0.01	...	$\delta = -27^\circ 46'$	1906		
Apr. 13 Ei.Y.	47.34	0.9 W.	Apr. 2 P.	+0.02	+1.3 W.		Mar. 20 Ei.Y.	27.11	2.3 W.
Mean.....	47.350	1.05	May 11 P.	-0.02	+0.8 E.	1905	Mean.....	27.128	2.27
Mag. corr.....	+0.009		12 L.	-0.03	+0.8	Jan. 16 Br.	Mag. corr.....	-0.010	
ρ Virginis			13 M.	0.00	+0.4	22 Y.			
$\alpha = 12^h 36^m 49^s.459$			15 L.	-0.04	+0.4	1906			
$\delta = +10^\circ 47' 11''.18$			17 M.	-0.04	+1.0	Jan. 29 Br.			
1903	s	"	18 P.	-0.04	+0.5	May 2 Bs.			
Dec. 10 R.	....	[+1.4] W.	28 P.	+0.01	+1.2	4 Br.			
11 Br.	[+0.02]	[+1.0]	29 L.	+0.03	+0.4	1907			
16 Br.	[+0.04]	[+0.6]	Dec. 20 P.	-0.02	...	May 11 P.			
17 M.	-0.03	+0.6	1910			Dec. 25 M.			
18 R.	+0.03	+1.1	Jan. 29 P.	-0.04	+0.4	27 P.			
21 Br.	+0.04	+0.5	Feb. 24 P.	+0.01	+0.5	1908			
30 Br.	0.00	+0.7	26 L.	+0.04	0.0	May 1 P.			
1904			Mar. 23 L.	-0.04	+1.0	May 2 Fk.			
Apr. 16 Ei.Y.	+0.02	+1.6	Apr. 27 L.	-0.02	+1.2	Mean.....			
18 Ei.Y.	+0.01	+1.2	May 15 P.	-0.03	+0.4	Mag. corr.....			
19 Br.	+0.04	+0.8	17 P.	+0.01	+0.8				
20 Ei.Y.	+0.02	+1.2	18 L.	-0.01	+1.1				
May 11 Ei.Y.	+0.07	+0.7	19 M.	-0.06	+0.8				
12 Ei.Y.	+0.01	+1.1	21 L.	+0.01	+0.9				
23 M.	+0.02	...	28 L.	-0.04	+1.5 E.				
24 Ei.Y.	+0.01	+1.2 W.	Mean.....	+0.001	+0.87				
1905			Mag. corr.....	+0.001					
Jan. 13 M.	+0.02	+1.8 E.							
Feb. 20 Br.	+0.01	+0.6							
Mar. 27 Ei.Y.	-0.01	+0.4							
Apr. 22 Ei.M.	+0.01	+1.1							
24 Ei.Y.	-0.03	+2.2							
May 24 M.	+0.04	+1.4 E.							
1906									
Mar. 10 Ei.Y.	-0.02	+1.1 W.							
Apr. 10 Ei.Y.	0.00	+2.0							
16 Ei.Y.	0.00	+1.4							
17 Ei.Y.	+0.03	+0.1 W.							
1907									
Apr. 17 P.	+0.02	+1.0 E.							
30 Hl.	+0.01	+0.5							
May 4 P.	+0.02	-0.1							
9 Ei.M.	+0.04	+1.4							
13 M.	+0.02	+1.1							
14 Hl.	-0.03	+0.3							
17 Hl.	-0.03	+1.2							
20 M.	0.00	-0.2							
21 Hl.	0.00	+0.5							
30 M.	+0.04	...							
Dec. 30 M.	-0.01	...							
1908									
Jan. 7 P.	-0.04	0.0							
10 M.	+0.02	...							
22 M.	-0.03	...							
Feb. 8 P.	+0.01	...							
17 Hl.	-0.02	+1.4							
20 Hl.	-0.03	...							
21 P.	+0.04	+0.4							
Mar. 12 M.	+0.04	+1.1							
17 P.	-0.05	...							
27 Fk.	0.00	-0.3							
Apr. 3 Fk.	-0.01	+1.5							
4 P.	+0.02	+1.6							
7 Fk.	-0.01	...							
16 M.	+0.03	+0.7							
20 M.	-0.03	+1.4							
21 P.	+0.03	+0.7							
22 Fk.	+0.01	+0.4 E.							
May 12 P.	0.00	...							
17 P.	-0.03	+0.9							
18 M.	+0.06	...							
20 Fk.	-0.01	...							
22 P.	-0.01	...							
23 M.	-0.02	+1.5							
25 M.	+0.02	+0.7 W.							

1905 Apr. 17 Ei.Y. 23.29 15.5 E. 1906 Apr. 7 Ei.Y. 23.30 15.7 W. Mean..... 23.315 15.67 Mag. corr..... +0.020 B. D. -3° 3360 $\alpha = 12^h 42^m$ $\delta = -4^\circ 8'$ 1904 Apr. 18 Ei.Y. 25.00 4.6 W. May 24 Ei.Y. 25.00 4.6 W. 1905 Apr. 24 Ei.Y. 25.02 4.6 E. 1906 Apr. 10 Ei.Y. 25.04 3.9 W. Mean..... 25.015 4.42 Mag. corr..... -0.001 B. D. -11° 3366 $\alpha = 12^h 42^m$ $\delta = -12^\circ 1'$ 1904 Mar. 16 Ei.Y. 30.40 55.6 W. May 7 Ei.Y. 30.38 55.1 W. 1905 Apr. 19 Ei.M. 30.40 56.5 E. 1906 Apr. 17 Ei.Y. 30.42 56.9 W. Mean..... 30.400 56.02 Mag. corr..... +0.006 35 Virginis $\alpha = 12^h 42^m 45^s.906$ $\delta = +4^\circ 7' 7''.60$ 1903 Dec. 16 Br. [-0.01] [-0.1] W. 18 R. [+0.03] [+0.4] 21 Br. 0.00 -0.2 22 R. -0.03 -0.3 30 Br. +0.01 0.0 1904 Feb. 3 Br. +0.07 +0.3 Mar. 9 Ei.Y. -0.03 +0.1 15 Ei.Y. +0.01 0.0 Apr. 19 Br. +0.01 +0.1 W. Dec. 30 Br. 0.00 0.0 E. 1905 Jan. 13 M. +0.01 +0.4 16 Br. +0.01 +0.4 Feb. 20 Br. +0.06 0.0 Mar. 27 Ei.Y. -0.01 +0.8 Apr. 20 Ei.Y. 0.00 -0.1 22 Ei.M. +0.03 +1.4 27 Y. +0.04 +0.5 28 Br. -0.01 +0.8 May 1 Y. -0.01 +0.7 2 Br. -0.02 +0.5 16 Br. -0.03 +0.6 24 M. -0.03 +0.5 E. 1906 Jan. 29 Br. +0.02 +0.2 W. Feb. 9 Hl. +0.01 -0.3 Mar. 20 Ei.Y. -0.01 +0.4 Apr. 16 Ei.Y. +0.02 +1.0 18 Bs. -0.01 +0.1 May 2 Bs. +0.05 -0.2 4 Br. -0.03 +0.6 W. 1907 Apr. 30 Hl. +0.01 -0.1 E. May 9 Ei.M. +0.01 +0.9 21 Hl. +0.01 +0.7 23 M. +0.03 +0.7 E.	1907 May 28 M. +0.02 +1.3 E. 30 M. -0.06 Dec. 25 M. -0.02 +0.2 30 M. 0.00 1908 Jan. 5 M. -0.04 +0.6 7 P. 0.00 -0.1 8 M. -0.04 -0.1 9 P. -0.04 +1.6 14 M. +0.06 +0.5 21 P. -0.06 +0.2 22 M. -0.01 Mar. 2 Hl. 0.00 0.0 12 M. -0.02 +0.3 27 Fk. +0.02 -0.2 Apr. 3 Fk. 0.00 +1.1 4 P. -0.02 +1.0 7 Fk. -0.03 16 M. 0.00 +0.6 20 M. -0.04 +0.6 21 P. +0.06 +0.9 22 Fk. -0.03 -0.1 E. May 1 P. +0.06 +1.0 W. 2 Fk. -0.01 +0.7 10 P. +0.02 +0.7 11 M. -0.03 +0.2 12 P. 0.00 20 Fk. -0.05 +0.2 22 P. 0.00 23 M. -0.02 +0.6 25 M. -0.04 +0.6 27 Fk. -0.03 +0.2 28 M. -0.04 1909 Jan. 5 L. +0.02 +0.4 17 M. -0.05 +0.5 20 M. -0.02 -0.6 Apr. 4 P. -0.09 +0.4 W. 1910 Jan. 29 P. -0.08 +0.6 E. Feb. 24 P. +0.02 +0.5 Mar. 4 L. -0.01 +0.7 23 L. -0.02 +1.0 25 P. -0.03 +1.2 26 L. +0.02 +0.6 Apr. 30 L. -0.05 -0.1 1911 Mar. 15 L. -0.12 +0.3 E. Mean..... -0.008 +0.42 Mag. corr..... +0.011 B. D. +0° 2983 $\alpha = 12^h 42^m$ $\delta = +0^\circ 11'$ 1904 Mar. 4 Ei.Y. 59.58 W. 29 Ei.Y. 59.56 12.4 W. 1905 Apr. 14 Ei.Y. 59.58 13.9 E. 1906 Apr. 13 Ei.Y. 59.54 13.0 W. Mean..... 59.565 13.10 Mag. corr..... -0.001 B. D. -2° 3580 $\alpha = 12^h 44^m$ $\delta = -3^\circ 9'$ 1904 Apr. 21 Ei.Y. 1.47 14.5 W. May 2 Ei.Y. 1.46 13.8 W. 1905 Mar. 25 Ei.M. 1.51 13.9 E.	1906 Apr. 7 Ei.Y. 1.45 14.1 W. Mean..... 1.472 14.08 Mag. corr..... -0.010 B. D. -6° 3659 $\alpha = 12^h 44^m$ $\delta = -7^\circ 5'$ 1904 May 11 Ei.Y. 55.84 14.6 W. 12 Ei.Y. 55.77 15.2 W. 1905 Apr. 17 Ei.Y. 55.77 14.3 E. 1906 Apr. 17 Ei.Y. 55.74 15.8 W. Mean..... 55.780 14.98 Mag. corr..... +0.013 B. D. +1° 2758 $\alpha = 12^h 44^m$ $\delta = +1^\circ 12'$ 1904 Mar. 28 Ei.Y. 55.87 41.5 W. 29 Ei.Y. 55.82 40.7 W. 1905 Apr. 13 Ei.Y. 55.90 42.3 E. 1906 Apr. 2 Ei.Y. 55.81 41.8 W. Mean..... 55.850 41.58 Mag. corr..... +0.001 p Centauri $\alpha = 12^h 45^m$ $\delta = -33^\circ 27'$ 1905 Jan. 19 Br. 15.58 13.3 E. Apr. 16 Br. 15.51 15.0 18 Br. 15.54 13.4 1907 Apr. 17 P. 15.56 15.0 Dec. 24 P. 15.52 14.2 E. 1909 Jan. 1 L. 15.53 13.7 W. 12 L. 15.54 14.2 17 M. 15.49 12.4 18 P. 15.50 26 P. 15.52 14.6 Feb. 1 P. 15.54 14.9 W. Mean..... 15.530 14.07 Mag. corr..... 0.000 B. D. -1° 2731 $\alpha = 12^h 45^m$ $\delta = -1^\circ 16'$ 1904 Apr. 18 Ei.Y. 16.00 48.6 W. May 24 Ei.Y. 16.00 48.0 W. 1905 Apr. 24 Ei.Y. 15.98 48.0 E. 1906 Apr. 10 Ei.Y. 16.03 47.5 W. Mean..... 16.002 48.02 Mag. corr..... -0.012 B. D. -9° 3569 $\alpha = 12^h 46^m$ $\delta = -9^\circ 47'$ 1904 Mar. 16 Ei.Y. 10.62 37.4 W. May 11 Ei.Y. 10.63 37.2 W.	1905 Apr. 19 Ei.M. 10.65 37.7 E. 1906 Apr. 10 Ei.Y. 10.65 37.0 W. Mean..... 10.638 37.32 Mag. corr..... +0.017 B. D. +3° 2703 $\alpha = 12^h 46^m$ $\delta = +3^\circ 36'$ 1904 Mar. 9 Ei.Y. 31.44 1.6 W. 15 Ei.Y. 31.43 2.0 W. 1905 Apr. 20 Ei.Y. 31.40 1.4 E. 1906 Apr. 16 Ei.Y. 31.44 2.6 W. Mean..... 31.428 1.90 Mag. corr..... +0.022 31 Comæ Berenices $\alpha = 12^h 46^m 49^s.673$ $\delta = +28^\circ 5' 5''.33$ 1903 Dec. 10 R. [+1.3] W. 21 Br. +0.07 -0.2 30 Br. +0.05 +1.0 1904 Apr. 19 Br. +0.03 +0.9 May 3 Br. +0.06 +0.8 W. Dec. 30 Br. +0.14 +0.4 E. 1905 Jan. 12 Br. +0.07 +0.4 13 M. +0.03 +1.4 16 Br. +0.06 +1.1 22 Y. +0.03 +0.5 Feb. 20 Br. +0.4 May 16 Br. +0.02 +1.2 24 M. +0.08 +0.3 E. 1906 Jan. 1 Br. +0.02 +0.3 W. 12 Hl. +0.05 +0.2 16 Bs. +0.05 +0.6 18 Br. +0.03 +0.9 28 Bs. -0.02 +0.3 29 Br. +0.05 -0.4 Mar. 31 Bs. +0.07 +0.7 Apr. 18 Bs. +0.07 +0.8 27 Br. +0.04 +0.5 May 2 Bs. +0.02 +0.1 4 Br. +0.02 +0.5 W. 1907 May 4 P. +0.10 -2.2 E. 9 Ei.M. +0.05 +1.0 11 P. +0.02 +0.7 13 M. +0.02 +0.3 17 Hl. +0.08 +1.2 20 M. +0.05 +0.4 23 M. +0.03 +0.7 28 M. +0.04 +0.9 30 M. +0.09 Dec. 25 M. +0.03 +0.3 30 M. +0.09 1908 Jan. 5 M. +0.08 +0.5 7 P. +0.03 -0.4 8 M. +0.01 9 P. +0.01 +1.1 10 M. +0.04 14 M. +0.05 +1.0 21 P. +0.02 0.0 22 M. +0.05 25 P. +0.07 +0.8 Feb. 8 P. +0.05 +0.2 20 Hl. +0.11 -0.5 21 P. +0.09 +0.2 E.
--	---	---	---

1908	s	"	32° H. Camelopardalis	1906	s	"	1903	s	"
Mar. 2 Hl.	+0.07	...	$\alpha = 12^h 48^m 23^s.055$	Apr. 7 Ei.Y.	6.24	22.2 W.	Dec. 22 R.	-0.03	+0.9 W.
27 Fk.	+0.04	+0.5	$\delta = +83^\circ 57' 23''.50$	Mean.....	6.218	21.75	30 Br.	+0.07	+0.5
Apr. 4 P.	+0.05	+2.0	1903	Mag. corr.....	-0.010		1904		
7 Fk.	+0.06	...	Dec. 16 Br.				Jan. 13 Br.	0.00	+0.4
16 M.	+0.07	+0.6	[-0.36] [+0.3] W.				Apr. 18 Ei.Y.	+0.04	+0.4
20 M.	+0.03	+0.8	1905				19 Br.	-0.01	+1.2
21 P.	+0.12	+0.8	Apr. 27 Y.	+0.17	+0.4 E.	ψ Virginis	21 Ei.Y.	+0.03	-0.3
22 Fk.	+0.05	+0.4 E.	28 Br.	+0.05	-0.1	$\alpha = 12^h 49^m$	2 Ei.Y.	+0.04	+1.3
May 12 P.	+0.06	...	May 1 Y.	+0.57	+0.4	$\delta = -8^\circ 59'$	4 Ei.Y.	+0.01	+1.7
22 P.	+0.04	...	2 Br.	-0.72	+0.3	1904	5 Ei.Y.	-0.01	+0.9
27 Fk.	+0.03	...	12 Br.	+0.11	+0.3 E.	Mar. 9 Ei.Y.	7 Ei.Y.	+0.06	+0.6
28 M.	+0.04	...	1908			15 Ei.Y.	13 Br.	+0.02	+1.4
1909			May 1 P.	+0.43	-0.1 W.	1905	24 Ei.Y.	+0.07	+0.6 W.
Jan. 20 M.	+0.04	+0.4	2 Fk.	+0.15	+0.6	Apr. 20 Ei.Y.	1905		
Mar. 7 M.	+0.03	...	10 P.	-0.20	-0.3	22 Ei.M.	Jan. 13 M.	-0.02	+1.0 E.
Apr. 2 P.	-0.05	+0.8	1909			1906	19 Br.	+0.07	+1.1
3 L.	+0.04	+0.6	Feb. 13 M.	+0.02	+0.5 W.	Apr. 16 Ei.Y.	20 Br.	....	+0.4
4 P.	+0.07	+1.3 W.	Mean.....	+0.064	+0.22	1907	Apr. 17 Ei.Y.	+0.03	+1.0
May 28 P.	+0.05	+0.8 E.	Mag. corr.....	-0.002		Apr. 30 Hl.	18 Br.	-0.02	+1.3
1910						May 4 P.	20 Ei.Y.	+0.10	0.0
May 21 L.	+0.05	... E.				18 P.	22 Ei.M.	0.00	+0.9
Mean.....	+0.051	+0.54	32° H. Camelopardalis s. r.			21 Hl.	24 Ei.Y.	+0.04	+0.4 E.
Mag. corr.....	0.000		$\alpha = 12^h 48^m 23^s.060$			1908			
B. D. -5° 3588			$\delta = +83^\circ 57' 23''.50$			Jan. 10 M.			
$\alpha = 12^h 47^m$			1904	s	"	May 11 M.			
$\delta = -5^\circ 32'$			Aug. 11 Br.	-0.17	-0.1 W.	18 M.			
1904	s	"	14 Br.	-0.21	-0.3	20 Fk.			
Mar. 4 Ei.Y.	2.48	.... W.	1905			1909			
28 Ei.Y.	2.51	42.8 W.	Dec. 6 Bs.	+0.35	-1.4	Jan. 1 L.			
1905			11 Hl.	-0.46	...	18 P.			
Apr. 14 Ei.Y.	2.48	42.6 E.	13 Bs.	+0.30	-0.1 W.	26 P.			
1906			1907			Mean.....			
Apr. 13 Ei.Y.	2.46	43.0 W.	Sept. 21 Hl.	-0.07	+0.4 E.	Mag. corr.....			
Mean.....	2.482	42.80	Nov. 25 M.	-0.08	-0.6				
Mag. corr.....	-0.003		Dec. 2 M.	+0.10	+0.3	ϵ Ursae Majoris			
B. D. -0° 2622			31 M.	-0.44	+0.1 E.	$\alpha = 12^h 49^m 38^s.001$			
$\alpha = 12^h 47^m$			Mean.....	-0.076	-0.21	$\delta = +56^\circ 30' 9''.28$			
$\delta = -0^\circ 23'$			Mag. corr.....	-0.002		1907	s	"	
1904	s	"	B. D. -3° 3373			May 14 Hl.	0.00	+0.9 E.	
Apr. 21 Ei.Y.	4.51	6.2 W.	$\alpha = 12^h 48^m$			1908			
May 2 Ei.Y.	4.58	5.3 W.	$\delta = -3^\circ 40'$			Jan. 8 M.	+0.03	+0.3	
1905			1904	s	"	Mar. 2 Hl.	+0.03	+0.3	
Mar. 25 Ei.M.	4.54	5.8 E.	May 11 Ei.Y.	28.72	47.0 W.	12 M.	0.00	0.0	
1906			12 Ei.Y.	28.65	47.0 W.	Apr. 3 Fk.	+0.05	+0.6 E.	
Apr. 7 Ei.Y.	4.56	6.0 W.	1905			May 22 P.	+0.09	0.0 W.	
Mean.....	4.548	5.82	Apr. 17 Ei.Y.	28.67	47.1 E.	23 M.	0.00	+1.0	
Mag. corr.....	0.000		1906			27 Fk.	-0.04	0.0	
B. D. -2° 3593			Apr. 17 Ei.Y.	28.69	47.7 W.	28 M.	-0.02	+0.8	
$\alpha = 12^h 48^m$			Mean.....	28.682	47.20	1909			
$\delta = -3^\circ 0'$			Mag. corr.....	+0.017		Jan. 17 M.	-0.02	+0.2 W.	
1904	s	"	B. D. +2° 2596			Mean.....	+0.012	+0.41	
Mar. 28 Ei.Y.	3.83	34.0 W.	$\alpha = 12^h 48^m$			Mag. corr.....	+0.010		
29 Ei.Y.	3.81	34.8 W.	$\delta = +2^\circ 19'$						
1905			1904	s	"	B. D. +0° 3002			
Apr. 13 Ei.Y.	3.85	33.6 E.	Apr. 18 Ei.Y.	40.27	39.8 W.	$\alpha = 12^h 50^m$			
1906			May 24 Ei.Y.	40.34	40.0 W.	$\delta = +0^\circ 35'$			
Apr. 2 Ei.Y.	3.75	33.7 W.	1905			1904	s	"	
Mean.....	3.810	34.02	Apr. 24 Ei.Y.	40.35	39.7 E.	Mar. 4 Ei.Y.	31.46	.... W.	
Mag. corr.....	+0.021		1906			29 Ei.Y.	31.40	51.0 W.	
32° H. Camelopardalis s. r.			Apr. 10 Ei.Y.	40.34	40.7 W.	1905			
$\alpha = 12^h 48^m$			Mean.....	40.325	40.05	Apr. 14 Ei.Y.	31.45	51.4 E.	
$\delta = +83^\circ 57'$			Mag. corr.....	-0.010		1906			
1904	s	"	B. D. -10° 3570			Apr. 13 Ei.Y.	31.46	51.1 W.	
Aug. 12 T.	....	42.5 W.	$\alpha = 12^h 49^m$			Mean.....	31.442	51.17	
1907			$\delta = -11^\circ 6'$			Mag. corr.....	+0.013		
Dec. 21 P.	14.95	41.5 E.	1904	s	"	δ Virginis			
Mean.....	14.95	42.00	Mar. 16 Ei.Y.	6.21	21.2 W.	$\alpha = 12^h 50^m 33^s.726$			
Mag. corr.....	0.00		May 7 Ei.Y.	6.20	21.4 W.	$\delta = +3^\circ 56' 26''.77$			
			1905			1903	s	"	
			Apr. 19 Ei.M.	6.22	22.2 E.	Dec. 10 R.	....	[+1.0] W.	
						18 R.	[+0.09]	[+0.2]	
						21 Br.	0.00	+0.4 W.	

1905 Mar. 25 Ei.M. 5.59 20.0 E. 1906 Apr. 7 Ei.Y. 5.56 20.4 W. Mean..... 5.545 19.95 Mag. corr..... +0.014	1905 Apr. 13 Ei.Y. 44.93 26.9 E. 1906 Apr. 2 Ei.Y. 44.80 26.2 W. Mean..... 44.845 27.02 Mag. corr..... -0.008	1906 Apr. 13 Ei.Y. 49.68 1.4 W. Mean..... 49.660 1.00 Mag. corr..... +0.009	B. D. +2° 2614 $\alpha = 12^h 56^m$ $\delta = +2^\circ 3'$
12 Canum Venaticorum $\alpha = 12^h 51^m 20^s.903$ $\delta = +38^\circ 51' 30''.67$	B. D. -8° 3456 $\alpha = 12^h 52^m$ $\delta = -8^\circ 22'$	B. D. -3° 3384 $\alpha = 12^h 54^m$ $\delta = -3^\circ 16'$	1904 Mar. 9 Ei.Y. 24.13 33.1 W. 15 Ei.Y. 24.22 32.5 W.
1905 May 22 Hl. -0.06 +0.4 E. 1906 Jan. 29 Br. +0.11 -0.1 W. 1907 May 11 P. -0.03 +0.8 E. 1908 Jan. 21 P. +0.06 +0.2 Feb. 8 P. +0.03 +0.1 20 Hl. +0.12 -0.4 E. May 11 M. 0.00 -0.1 W. 17 P. -0.10 +0.2 20 Fk. +0.02 +0.3	1904 Apr. 21 Ei.Y. 6.78 10.6 W. May 2 Ei.Y. 6.83 10.0 W. 1905 Apr. 17 Ei.Y. 6.76 10.1 E. 1906 Apr. 17 Ei.Y. 6.81 10.9 W. Mean..... 6.795 10.40 Mag. corr..... +0.014	1904 Apr. 21 Ei.Y. 30.42 20.1 W. May 4 Ei.Y. 30.43 19.9 W. 1905 Mar. 25 Ei.M. 30.43 20.2 E. 1906 Apr. 7 Ei.Y. 30.40 20.1 W. Mean..... 30.420 20.08 Mag. corr..... -0.009	1905 Apr. 20 Ei.Y. 24.12 32.4 E. 1906 Apr. 16 Ei.Y. 24.15 33.3 W. Mean..... 24.155 32.82 Mag. corr..... +0.001
1909 Jan. 20 M. +0.05 -0.2 W. Mean..... +0.026 +0.12 Mag. corr..... +0.001	B. D. -12° 3726 $\alpha = 12^h 52^m$ $\delta = -12^\circ 16'$	B. D. -0° 2641 $\alpha = 12^h 54^m$ $\delta = -0^\circ 38'$	B. D. -11° 3418 $\alpha = 12^h 56^m$ $\delta = -11^\circ 34'$
8 Draconis $\alpha = 12^h 51^m 29^s.827$ $\delta = +65^\circ 58' 50''.82$	1904 Apr. 18 Ei.Y. 21.81 11.9 W. May 24 Ei.Y. 21.78 11.6 W. 1905 Apr. 24 Ei.Y. 21.83 12.2 E. 1906 Apr. 10 Ei.Y. 21.77 10.6 W. Mean..... 21.798 11.58 Mag. corr..... -0.001	1904 Mar. 28 Ei.Y. 59.80 47.8 W. 29 Ei.Y. 59.73 48.4 W. 1905 Apr. 13 Ei.Y. 59.79 47.6 E. 1906 Apr. 2 Ei.Y. 59.73 47.7 W. Mean..... 59.762 47.88 Mag. corr..... -0.001	1904 May 7 Ei.Y. 58.94 17.5 W. 27 Ei.Y. 58.85 17.6 W. 1905 Apr. 14 Ei.Y. 58.94 17.1 E. 1906 Apr. 13 Ei.Y. 58.90 17.5 W. Mean..... 58.908 17.42 Mag. corr..... +0.008
1905 May 24 M. -0.04 +0.2 E. 1907 Dec. 25 M. -0.10 +0.3 1908 Feb. 21 P. -0.09 +0.6 Mar. 3 P. +0.10 0.0 4 M. -0.04 +0.2 E. May 23 M. -0.02 +0.7 W. 1909 Feb. 1 P. +0.02 +0.7 4 P. 0.00 +0.1 11 P. -0.05 +0.6 17 M. -0.11 -0.3 W. Mean..... -0.033 +0.31 Mag. corr..... -0.001	B. D. -1° 2745 $\alpha = 12^h 52^m$ $\delta = -2^\circ 13'$	B. D. -8° 3466 $\alpha = 12^h 55^m$ $\delta = -8^\circ 33'$	ϵ Virginis $\alpha = 12^h 57^m 11^s.804$ $\delta = +11^\circ 29' 47''.89$
1907 Aug. 7 P. -0.01 0.0 E. 12 P. -0.04 -1.2 24 P. -0.09 -0.8 Dec. 21 P. +0.04 -0.3 31 M. -0.14 +0.9 E. 1908 Aug. 12 Fk. -0.08 +0.7 W. 20 Fk. -0.07 +0.6 30 M. -0.05 -0.2 Sept. 12 P. -0.06 0.0 Dec. 2 M. -0.12 +1.7 W. Mean..... -0.062 +0.14 Mag. corr..... -0.001	1904 Mar. 16 Ei.Y. 26.76 8.7 W. May 11 Ei.Y. 26.79 9.2 W. 1905 Apr. 19 Ei.M. 26.81 9.3 E. 1906 Apr. 7 Ei.Y. 26.83 9.4 W. Mean..... 26.798 9.15 Mag. corr..... -0.020	1904 May 11 Ei.Y. 17.24 36.4 W. 12 Ei.Y. 17.19 35.4 W. 1905 Apr. 17 Ei.Y. 17.27 36.2 E. 1906 Apr. 17 Ei.Y. 17.24 37.1 W. Mean..... 17.235 36.28 Mag. corr..... +0.010	1903 Dec. 16 Br. [+0.02] [+0.5] W. 18 P. [+0.03] [+0.6] 21 Br. +0.01 -0.1 30 Br. +0.07 +0.9 1904 Jan. 13 Br. -0.02 +0.5 Feb. 3 Br. +0.05 +0.9 Mar. 4 Ei.Y. +0.09 Apr. 21 Ei.Y. +0.05 +0.9 May 2 Ei.Y. 0.00 +0.9 4 Ei.Y. +0.03 +0.8 5 Ei.Y. +0.03 +1.0 13 Br. -0.01 +0.9 23 M. +0.02 ... W. 1905 Jan. 13 M. +0.04 +1.8 E. 19 Br. +0.03 +0.7 22 Y. +0.02 +0.5 Mar. 25 Ei.M. +0.03 +0.3 Apr. 8 Ei.Y. +0.03 +1.0 18 Br. 0.00 +1.4 May 22 Hl. +0.04 +0.6 24 M. +0.04 +0.6 25 Hl. +0.05 ... E.
8 Draconis s. p. $\alpha = 12^h 51^m 29^s.827$ $\delta = +65^\circ 58' 50''.83$	B. D. -6° 3705 $\alpha = 12^h 53^m$ $\delta = -6^\circ 24'$	B. D. -2° 3609 $\alpha = 12^h 55^m$ $\delta = -2^\circ 49'$	1906 Jan. 5 Hl. -0.02 +0.8 W. Apr. 19 Ei.Y. 0.00 +0.7 W. 1908 Jan. 22 M. +0.03 ... E. Mar. 3 P. +0.08 +0.5 4 M. 0.00 ... Apr. 4 P. +0.02 +1.0 21 P. +0.05 +0.5 E. May 11 M. +0.02 -0.2 W. 17 P. +0.10 +0.7 18 M. +0.01 +0.9 20 Fk. +0.01 +0.3 22 P. -0.01 +0.6 23 M. +0.05 +0.5 25 M. -0.04 ...
1907 Aug. 12 Fk. -0.08 +0.7 W. 20 Fk. -0.07 +0.6 30 M. -0.05 -0.2 Sept. 12 P. -0.06 0.0 Dec. 2 M. -0.12 +1.7 W. Mean..... -0.062 +0.14 Mag. corr..... -0.001	1904 Mar. 9 Ei.Y. 25.00 29.0 W. 15 Ei.Y. 24.99 28.8 W. 1905 Apr. 20 Ei.Y. 25.00 29.3 E. 1906 Apr. 16 Ei.Y. 24.98 28.0 W. Mean..... 24.992 28.78 Mag. corr..... +0.003	1904 Apr. 18 Ei.Y. 26.95 50.1 W. May 24 Ei.Y. 26.96 50.3 W. 1905 Apr. 24 Ei.Y. 26.95 50.4 E. 1906 Apr. 10 Ei.Y. 26.88 49.2 W. Mean..... 26.935 50.00 Mag. corr..... +0.022	1906 Apr. 10 Ei.Y. 26.88 49.2 W. Mean..... 26.935 50.00 Mag. corr..... +0.022
B. D. -10° 3581 $\alpha = 12^h 51^m$ $\delta = -10^\circ 20'$	B. D. -5° 3605 $\alpha = 12^h 53^m$ $\delta = -5^\circ 33'$	B. D. -10° 3592 $\alpha = 12^h 56^m$ $\delta = -10^\circ 37'$	1908 Jan. 22 M. +0.03 ... E. Mar. 3 P. +0.08 +0.5 4 M. 0.00 ... Apr. 4 P. +0.02 +1.0 21 P. +0.05 +0.5 E. May 11 M. +0.02 -0.2 W. 17 P. +0.10 +0.7 18 M. +0.01 +0.9 20 Fk. +0.01 +0.3 22 P. -0.01 +0.6 23 M. +0.05 +0.5 25 M. -0.04 ...
1904 Mar. 28 Ei.Y. 44.84 27.1 W. 29 Ei.Y. 44.81 27.9 W.	1904 Mar. 4 Ei.Y. 49.65 ... W. 28 Ei.Y. 49.66 1.0 W. 1905 Apr. 14 Ei.Y. 49.65 0.6 E.	1904 Mar. 16 Ei.Y. 9.92 1.8 W. May 12 Ei.Y. 9.92 2.5 W. 1905 Apr. 19 Ei.M. 9.96 2.0 E. 1906 Apr. 2 Ei.Y. 9.93 1.3 W. Mean..... 9.932 1.90 Mag. corr..... -0.006	1909 Apr. 3 L. +0.03 +0.4 4 P. +0.09 +0.8 W. May 15 L. +0.02 +0.1 E.

1909			B. D. -5° 3621			1905			B. D. -9° 3628		
May 17 M.	+0.02	+0.1 E.	$\alpha = 12^h 59^m$			Apr. 8 Ei.Y.	35.62	31.3 E.	$\alpha = 13^h 2^m$		
18 P.	+0.06	+0.3	$\delta = -6^\circ 7'$			1906			$\delta = -10^\circ 12'$		
23 P.	+0.07	+0.5				Apr. 13 Ei.Y.	35.57	31.3 W.			
29 L.	+0.01	+0.2	1904			Mean.....	35.595	31.18	1904		
June 2 L.	+0.02	+0.3	Apr. 18 Ei.Y.	1.50	29.7 W.	Mag. corr.....	+0.009		Mar. 16 Ei.Y.	39.42	19.9 W.
1910			May 5 Ei.Y.	1.44	29.5 W.				May 11 Ei.Y.	39.40	20.1 W.
Jan. 29 P.	-0.03	+0.7	1905						1905		
Feb. 24 P.	+0.02	+0.6	Apr. 24 Ei.Y.	1.46	30.0 E.				Apr. 19 Ei.M.	39.42	19.8 E.
Apr. 2 P.	+0.01	+0.7	1906						1906		
30 L.	-0.05	+0.4	Apr. 10 Ei.Y.	1.49	29.5 W.				Apr. 7 Ei.Y.	39.39	20.3 W.
May 15 P.	+0.02	+0.4	Mean.....	1.472	29.68	B. D. -6° 3732			Mean.....	39.408	20.02
17 P.	+0.02	+0.4	Mag. corr.....	-0.008		$\alpha = 13^h 0^m$			Mag. corr.....	-0.002	
18 L.	-0.01	+1.2				$\delta = -7^\circ 7'$					
21 L.	+0.02	+0.7	B. D. +1° 2786								
28 L.	0.00	+0.8	$\alpha = 12^h 59^m$			1904			B. D. -10° 3615		
1911			$\delta = +0^\circ 50'$			Mar. 28 Ei.Y.	38.33	23.3 W.	$\alpha = 13^h 3^m$		
Jan. 19 P.	-0.01	+1.1				29 Ei.Y.	38.29	23.4 W.	$\delta = -11^\circ 13'$		
Mar. 15 L.	+0.01	+0.9 E.	1904			Apr. 13 Ei.Y.	38.36	22.2 E.			
Mean.....	+0.023	+0.65	Mar. 16 Ei.Y.	38.05	5.0 W.	1905			1904		
Mag. corr.....	+0.001		May 7 Ei.Y.	38.08	5.0 W.	Apr. 17 Ei.Y.	38.37	24.8 W.	Mar. 9 Ei.Y.	13.09	35.2 W.
			1905			Mean.....	38.338	23.42	15 Ei.Y.	13.10	34.9 W.
B. D. -2° 3620			Apr. 19 Ei.M.	38.07	4.1 E.	Mag. corr.....	-0.006		1905		
$\alpha = 12^h 58^m$			1906						Apr. 20 Ei.Y.	13.08	35.2 E.
$\delta = -2^\circ 25'$			Apr. 13 Ei.Y.	38.08	4.6 W.				1906		
1904			Mean.....	38.070	4.68				Apr. 16 Ei.Y.	13.07	35.3 W.
May 4 Ei.Y.	8.45	33.9 W.	Mag. corr.....	+0.009		14 Canum Venaticorum			Mean.....	13.085	35.15
24 Ei.Y.	8.42	34.7 W.				$\alpha = 13^h 1^m$			Mag. corr.....	+0.007	
1905			B. D. +86° 187			$\delta = +36^\circ 20'$					
Apr. 8 Ei.Y.	8.43	34.3 E.	$\alpha = 12^h 59^m$						B. D. -8° 3491		
1906			$\delta = +86^\circ 25'$			1905			$\alpha = 13^h 3^m$		
Apr. 7 Ei.Y.	8.43	35.3 W.	1907			Jan. 19 Br.	3.96	3.2 E.	$\delta = -8^\circ 26'$		
Mean.....	8.432	34.55	May 21 Hl.	42.78	24.5 E.	Apr. 18 Br.	3.87	3.5			
Mag. corr.....	-0.013		28 M.	42.67	24.4	May 24 M.	3.96	2.6 E.	1904		
			1908			1906			May 7 Ei.Y.	19.60	54.6 W.
B. D. -4° 3408			Jan. 8 M.	43.31	24.6	Jan. 18 Br.	3.99	2.5 W.	27 Ei.Y.	19.50	54.7 W.
$\alpha = 12^h 58^m$			10 M.	43.68	24.7 E.	28 Bs.	3.95	2.3	1905		
$\delta = -4^\circ 37'$			Mean.....	43.110	24.55	Mar. 31 Bs.	3.89	1.9 W.	Apr. 14 Ei.Y.	19.58	55.1 E.
1904			Mag. corr.....	+0.002		1908			1906		
Mar. 28 Ei.Y.	40.55	7.2 W.				Jan. 9 P.	3.92	2.7 E.	Apr. 17 Ei.Y.	19.58	56.0 W.
29 Ei.Y.	40.50	7.4 W.	B. D. -12° 3751			Mar. 3 P.	4.01	2.8 E.	Mean.....	19.565	55.10
1905			$\alpha = 13^h 0^m$			May 18 M.	3.95	2.8 W.	Mag. corr.....	-0.007	
Apr. 13 Ei.Y.	40.59	6.4 E.	$\delta = -12^\circ 15'$			25 M.	3.91	2.6 W.			
1906			1904			Mean.....	3.941	2.69	Groombridge 2006		
Apr. 2 Ei.Y.	40.48	7.0 W.	Mar. 9 Ei.Y.	19.28	8.7 W.	Mag. corr.....	0.000		$\alpha = 13^h 4^m$		
Mean.....	40.530	7.00	May 24 Ei.Y.	19.33	9.0 W.				$\delta = +88^\circ 11'$		
Mag. corr.....	+0.006		1905			B. D. -3° 3406					
48 Virginis			Apr. 20 Ei.Y.	19.32	10.1 E.	$\alpha = 13^h 1^m$			1905		
$\alpha = 12^h 58^m$			1906			$\delta = -3^\circ 46'$			Apr. 18 Br.	28.84	11.5 E.
$\delta = -3^\circ 7'$			Apr. 16 Ei.Y.	19.26	9.2 W.				1906		
1903			Mean.....	19.298	9.25	1904			Jan. 29 Br.	29.12	11.6 W.
Dec. 22 R.	[45.23]	[30.3] W.	Mag. corr.....	-0.008		May 11 Ei.Y.	4.12	23.1 W.	1907		
1904						12 Ei.Y.	4.10	23.0 W.	May 28 M.	30.19	11.2 E.
May 11 Ei.Y.	45.23	30.4	B. D. -9° 3617			1905			1908		
12 Ei.Y.	45.15	30.2 W.	$\alpha = 13^h 0^m$			Apr. 17 Ei.Y.	4.17	23.0 E.	Feb. 8 P.	29.49	11.2
1905			$\delta = -9^\circ 57'$			1906			21 P.	28.78	11.8
Apr. 17 Ei.Y.	45.18	30.1 E.	1904			Apr. 2 Ei.Y.	4.12	23.0 W.	Mar. 4 M.	28.76	12.0 E.
1906			May 7 Ei.Y.	27.93	55.9 W.	Mean.....	4.128	23.02	1909		
Apr. 17 Ei.Y.	45.22	31.4 W.	27 Ei.Y.	27.92	56.4 W.	Mag. corr.....	-0.006		Jan. 12 L.	29.61	11.5 W.
1907			1905						17 M.	29.06	12.3
Apr. 17 P.	45.14	30.0 E.	Apr. 14 Ei.Y.	27.91	56.0 E.				20 M.	29.68	11.5
30 Hl.	45.23	30.9	1906			B. D. -1° 2772			26 P.	28.64	11.5 W.
May 4 P.	45.20	40.2	Apr. 7 Ei.Y.	27.90	56.8 W.	$\alpha = 13^h 1^m$			Mean.....	29.217	11.61
11 P.	45.16	29.9	Mean.....	27.915	56.28	$\delta = -1^\circ 22'$			Mag. corr.....	+0.003	
1908			Mag. corr.....	-0.014							
Jan. 5 M.	45.22	31.0 E.				1904			Groombridge 2006 s. P.		
June 1 Fk.	45.21	.... W.	B. D. -13° 3651			Apr. 18 Ei.Y.	45.56	11.5 W.	$\alpha = 13^h 4^m$		
1909			$\alpha = 13^h 0^m$			May 24 Ei.Y.	45.58	11.4 W.	$\delta = +88^\circ 11'$		
Feb. 1 P.	45.24	30.5	$\delta = -13^\circ 34'$			1905					
4 P.	45.27	31.4 W.	1904			Apr. 24 Ei.Y.	45.54	11.8 E.	1903		
Mean.....	45.204	30.55	May 4 Ei.Y.	35.58	30.7 W.	1906			Nov. 30 L.	30.58	11.1 W.
Mag. corr.....	+0.009		5 Ei.Y.	35.61	31.4 W.	Apr. 10 Ei.Y.	45.56	11.5 W.	Dec. 3 Br.	30.93	11.5
						Mean.....	45.560	11.55	5 Br.	31.13	11.7
						Mag. corr.....	-0.008		15 Br.	29.96	11.3
									17 Br.	31.04	11.6
									22 Br.	29.85	11.4 W.

1907			1905			B. D. +0° 3030			1904		
Aug. 12 P.	29.38	13.3 E.	Apr. 22 Ei.M.	+0.02	+1.0 E.	$\alpha = 13^h 5^m$			May 3 Br.	-0.04	+0.2 W.
Dec. 31 M.	28.28	11.8 E.	24 Ei.Y.	+0.03	+0.8	$\delta = +0^\circ 6'$			13 Br.	0.00	+0.4 W.
1908			May 24 M.	+0.06	+0.7 E.	1904			1905		
Dec. 2 M.	32.44	10.9 W.	1906			Mar. 16 Ei.Y.	35.77	50.5 W.	Jan. 12 Br.	-0.01	-0.9 E.
Mean.....	30.399	11.62	Jan. 5 Hl.	+0.02	+1.2 W.	May 12 Ei.Y.	35.73	50.9 W.	16 Br.	+0.02	-0.4
Mag. corr.....	+0.004		16 Bs.	+0.09	+0.8	1905			Feb. 20 Br.	+0.02	-0.5
B. D. -9° 3636			18 Br.	+0.04	+0.9	Apr. 19 Ei.M.	35.77	49.9 E.	May 1 Y.	-0.03	0.0
$\alpha = 13^h 4^m$			Feb. 16 Hl.	+0.04	+0.8	1906			16 Br.	+0.02	0.0
$\delta = -9^\circ 47'$			Mar. 31 Bs.	+0.02	+0.6	Apr. 17 Ei.Y.	35.79	49.3 W.	June 2 Br.	-0.05	0.0 E.
1904			Apr. 2 Ei.Y.	+0.04	+1.3	Mean.....	35.765	50.15	1906		
May 4 Ei.Y.	31.16	43.7 W.	10 Ei.Y.	-0.01	+1.0	Mag. corr.....	-0.006		Jan. 12 Hl.	-0.05	-0.6 W.
5 Ei.Y.	31.18	44.8 W.	24 Ei.Y.	-0.02	+1.1 W.	B. D. -13° 3665			1907		
1905			1907			$\alpha = 13^h 6^m$			May 9 M.	+0.05	-0.1 E.
Apr. 8 Ei.Y.	31.14	45.0 E.	Apr. 17 P.	+0.07	+1.4 E.	$\delta = -13^\circ 25'$			13 M.	-0.03	+0.1
1906			29 M.	-0.02	+0.2	1904			20 M.	-0.05	+0.2
Apr. 13 Ei.Y.	31.11	44.4 W.	30 Hl.	+0.02	+0.1	Mar. 9 Ei.Y.	5.34	45.3 W.	23 M.	-0.04	-0.5
Mean.....	31.148	44.48	May 9 M.	+0.05	+0.5	Apr. 18 Ei.Y.	5.27	45.1 W.	June 3 M.	-0.02	-0.1
Mag. corr.....	+0.021		18 P.	+0.05	0.0	1905			Dec. 30 M.	0.00	...
B. D. -2° 3638			20 M.	+0.04	+1.2	Apr. 20 Ei.Y.	5.30	45.9 E.	1908		
$\alpha = 13^h 4^m$			23 M.	+0.05	...	Apr. 16 Ei.Y.	5.25	45.5 W.	Jan. 5 M.	-0.04	0.0
$\delta = -2^\circ 51'$			30 M.	+0.03	...	Mean.....	5.290	45.45	8 M.	0.00	-0.6
1904			Dec. 30 M.	+0.01	...	Mag. corr.....	+0.012		9 P.	-0.03	+0.7
May 11 Ei.Y.	33.72	15.1 W.	1908			B. D. -15° 3613			14 M.	0.00	0.0
12 Ei.Y.	33.71	15.1 W.	Jan. 10 M.	+0.03	+0.1	$\alpha = 13^h 6^m$			25 P.	0.00	0.0
1905			Mar. 3 P.	+0.08	...	$\delta = -15^\circ 39'$			Mar. 3 P.	+0.05	0.0
Apr. 17 Ei.Y.	33.71	15.3 E.	12 M.	+0.06	+0.4	1904			Apr. 16 M.	-0.02	+0.2
1906			27 Fk.	+0.07	0.0	May 7 Ei.Y.	44.22	33.1 W.	22 Fk.	-0.02	-0.1 E.
Apr. 7 Ei.Y.	33.69	15.6 W.	Apr. 3 Fk.	+0.02	+0.6	27 Ei.Y.	44.13	33.6 W.	May 1 P.	-0.02	+0.2 W.
Mean.....	33.708	15.28	4 P.	0.00	+1.3	1905			2 Fk.	-0.06	...
Mag. corr.....	-0.006		16 M.	+0.01	...	Apr. 14 Ei.Y.	44.24	33.4 E.	10 P.	-0.06	+0.1
B. D. -6° 3750			20 M.	+0.04	+1.4	Apr. 13 Ei.Y.	44.20	34.0 W.	17 P.	-0.05	+0.5
$\alpha = 13^h 4^m$			21 P.	+0.04	+1.0	Mean.....	44.198	33.52	18 M.	-0.05	...
$\delta = -7^\circ 7'$			22 Fk.	+0.07	...	Mag. corr.....	0.000		1909		
1904			May 1 P.	+0.10	+0.6 W.	B. D. -11° 3457			Jan. 5 L.	-0.01	+0.3
Mar. 28 Ei.Y.	34.24	17.4 W.	June 2 P.	+0.05	+0.9	$\alpha = 13^h 6^m$			17 M.	-0.02	+0.1
29 Ei.Y.	34.24	18.4 W.	1909			$\delta = -11^\circ 52'$			20 M.	-0.04	-0.8
1905			Apr. 3 L.	+0.07	+0.9 W.	1904			Feb. 1 P.	-0.02	+0.3
Apr. 13 Ei.Y.	34.28	17.2 E.	May 29 L.	+0.06	+0.2 E.	May 4 Ei.Y.	46.05	14.2 W.	4 P.	+0.03	-0.8
1906			30 P.	0.00	+0.1	5 Ei.Y.	46.07	14.2 W.	11 P.	+0.02	+0.8
Apr. 19 Ei.Y.	34.19	18.2 W.	1910			1905			17 M.	-0.03	-0.1
Mean.....	34.238	17.80	Jan. 3 P.	0.00	+0.5	Apr. 8 Ei.Y.	46.06	14.6 E.	Apr. 3 L.	-0.04	-0.3 W.
Mag. corr.....	+0.007		29 P.	+0.04	+0.7	1906			June 2 L.	-0.01	-0.3 E.
θ Virginis			Feb. 24 P.	0.00	+0.3	Apr. 13 Ei.Y.	46.02	15.4 W.	1910		
$\alpha = 13^h 4^m 46^s.268$			Mar. 4 L.	+0.08	+1.3	Mean.....	46.050	14.60	Jan. 14 L.	+0.03	+0.1
$\delta = -5^\circ 0' 18''.79$			5 P.	+0.04	+1.9	Mag. corr.....	-0.008		May 9 M.	-0.02	...
1903			13 M.	+0.02	+1.5	B. D. -5° 3653			18 L.	-0.01	-0.1
Dec. 18 R.	[+0.06]	[+0.6] W.	26 L.	+0.03	+1.6	$\alpha = 13^h 7^m$			19 M.	-0.04	+0.4
21 Br.	[+0.01]	[-0.9]	Apr. 2 P.	+0.02	+0.9	$\delta = -5^\circ 58'$			21 L.	-0.03	0.0
22 R.	[-0.01]	[+0.3]	27 L.	+0.08	+0.6	1904			28 L.	-0.03	+0.2
30 Br.	+0.03	+0.8	Dec. 24 P.	-0.01	+0.9	May 4 Ei.Y.	46.05	14.2 W.	June 6 M.	-0.04	0.0 E.
1904			Mar. 16 P.	+0.05	+0.5 E.	5 Ei.Y.	46.07	14.2 W.	Mean.....	-0.017	-0.04
Jan. 13 Br.	+0.03	+0.9	1911			1905			Mag. corr.....	+0.006	
15 Br.	+0.03	0.0	Mean.....	+0.036	+0.78	Apr. 8 Ei.Y.	46.06	14.6 E.	B. D. -0° 2668		
Feb. 8 Br.	+0.01	+1.2	Mag. corr.....	+0.005		1906			$\alpha = 13^h 7^m$		
11 M.	+0.02	+0.7	17 Canum Venaticorum			Apr. 7 Ei.Y.	46.02	15.4 W.	$\delta = -1^\circ 13'$		
22 Br.	+0.05	+0.8	$\alpha = 13^h 5^m$			Mean.....	46.050	14.60	1904		
Mar. 4 Ei.Y.	+0.10	...	$\delta = +39^\circ 1'$			Mag. corr.....	-0.008		Apr. 5 Ei.Y.	37.68	37.2 W.
Apr. 5 Ei.Y.	+0.08	+0.2	1905			B. D. -5° 3653			14 Ei.Y.	37.64	37.3 W.
14 Ei.Y.	+0.05	+0.6	May 16 Br.	27.76	49.8 E.	$\alpha = 13^h 7^m$			1905		
18 Ei.Y.	+0.03	+0.8	1906			$\delta = -5^\circ 58'$			Apr. 17 Ei.Y.	37.58	37.0 E.
May 7 Ei.Y.	+0.05	+0.7	Jan. 28 Bs.	27.68	49.5 W.	1904			1906		
24 Ei.Y.	0.00	+0.9	Apr. 27 Br.	27.65	49.7 W.	Mar. 28 Ei.Y.	10.92	5.4 W.	Apr. 17 Ei.Y.	37.56	38.1 W.
27 Ei.Y.	-0.02	+1.2 W.	1907			29 Ei.Y.	10.88	6.3 W.	Mean.....	37.615	37.40
1905			May 4 P.	27.64	50.1 E.	1905			Mag. corr.....	+0.007	
Jan. 13 M.	+0.02	+1.9 E.	11 P.	27.62	50.1	Apr. 13 Ei.Y.	10.96	4.9 E.	B. D. -3° 3428		
Feb. 20 Br.	+0.01	-0.1	17 Hl.	27.72	49.9 E.	Apr. 19 Ei.Y.	10.90	7.0 W.	$\alpha = 13^h 8^m$		
Mar. 25 Ei.M.	+0.09	+0.8 E.	1908			Mean.....	10.915	5.90	$\delta = -3^\circ 50'$		
			May 25 M.	27.67	50.2 W.	Mag. corr.....	-0.013		1904		
			27 Fk.	27.63	50.3	43 Comae Berenices			Apr. 18 Ei.Y.	30.12	43.7 W.
			28 M.	27.68	50.5 W.	$\alpha = 13^h 7^m 11^s.987$			May 24 Ei.Y.	30.11	44.0 W.
			Mean.....	27.672	50.01	$\delta = +28^\circ 23' 13''.14$			1905		
			Mag. corr.....	+0.016		1903			Apr. 24 Ei.Y.	30.17	44.0 E.
						Dec. 21 Br.	[0.00] [-0.7] W.				

1906			19 Canum Venaticorum			1905			1904		
Apr. 19 Ei.Y.	s	"	$\alpha = 13^h 11^m$ $\delta = +41^\circ 22'$			Apr. 20 Ei.Y.	s	"	Feb. 8 Br.	s	"
Mean.....	30.115	44.12	1904			Apr. 16 Ei.Y.	12.74	8.8 W.	1907		
Mag. corr.....	-0.008		Dec. 30 Br.	2.28	60.1 E.	Mean.....	12.768	9.12	May 9 M.	-0.03	+0.3 E.
B. D. -8° 3514			1905			Mag. corr.....	+0.009		June 3 M.	-0.06	0.0
$\alpha = 13^h 9^m$			Jan. 16 Br.	2.18	....	B. D. -14° 3683			1908		
$\delta = -9^\circ 1'$			22 Y.	2.16	60.3 E.	$\alpha = 13^h 12^m$			Mar. 3 P.	0.00	0.0
1904	s	"	1906			$\delta = -15^\circ 1'$			4 M.	-0.04	0.0
Mar. 16 Ei.Y.	29.49	32.9 W.	Jan. 29 Br.	2.21	60.3 W.	1904	s	"	27 Fk.	-0.01	-0.4
Apr. 5 Ei.Y.	29.54	34.0 W.	Apr. 27 Br.	2.15	60.0 W.	Mar. 16 Ei.Y.	12.88	7.7 W.	Apr. 16 M.	+0.06	+0.5 E.
1905			1907			May 4 Ei.Y.	12.92	7.1 W.	May 18 M.	-0.08	+0.9 W.
Apr. 19 Ei.M.	29.48	33.8 E.	May 11 P.	2.11	59.6 E.	1905			1909		
1906			Mar. 2 Hl.	2.18	60.3 E.	Apr. 19 Ei.M.	12.84	7.9 E.	Jan. 1 L.	-0.04	-0.5 W.
Apr. 13 Ei.Y.	29.47	34.0 W.	May 1 P.	2.28	59.9 W.	1906			Mean.....	-0.034	-0.07
Mean.....	29.495	33.68	2 Fk.	2.17	60.2	Apr. 7 Ei.Y.	12.91	8.5 W.	Mag. corr.....	+0.004	
Mag. corr.....	-0.010		10 P.	2.18	59.3 W.	Mean.....	12.888	7.80	61 Virginis		
B. D. -9° 3646			Mean.....	2.190	60.00	Mag. corr.....	+0.015		$\alpha = 13^h 13^m 9^s.743$		
$\alpha = 13^h 9^m$			Mag. corr.....	-0.004		B. D. +0° 3040			$\delta = -17^\circ 45' 26''.46$		
$\delta = -9^\circ 50'$			r Centauri			$\alpha = 13^h 12^m$			1905	s	"
1904	s	"	$\alpha = 13^h 11^m$			$\delta = -0^\circ 8'$			May 12 Br.	+0.02	0.0 E.
Mar. 9 Ei.Y.	30.50	22.6 W.	$\delta = -30^\circ 58'$			1904	s	"	1908		
Apr. 14 Ei.Y.	30.58	22.6 W.	1906			May 7 Ei.Y.	22.66	54.1 W.	Jan. 9 P.	-0.02	+0.1
1905			Jan. 1 Br.	19.79	35.8 W.	27 Ei.Y.	22.66	54.6 W.	14 M.	+0.06	+0.5
Apr. 20 Ei.Y.	30.52	23.2 E.	18 Br.	19.81	36.1	1905			25 P.	+0.07	+0.5
1906			28 Bs.	19.79	36.3	Apr. 14 Ei.Y.	22.64	54.4 E.	Apr. 3 Fk.	+0.05	+0.7 E.
Apr. 16 Ei.Y.	30.57	22.9 W.	Feb. 16 Hl.	19.89	36.7	1906			May 25 M.	+0.03	-0.4 W.
Mean.....	30.542	22.82	Mar. 31 Bs.	19.84	38.3 W.	Apr. 17 Ei.Y.	22.64	54.8 W.	27 Fk.	+0.02	+0.5
Mag. corr.....	+0.009		1907			Mean.....	22.650	54.47	28 M.	-0.02	+0.4
B. D. -10° 3635			Apr. 29 M.	19.91	37.1 E.	Mag. corr.....	+0.020		1909		
$\alpha = 13^h 9^m$			May 13 M.	19.80	36.7	B. D. -7° 3582			Jan. 12 L.	0.00	-0.8
$\delta = -10^\circ 49'$			14 Hl.	19.83	37.1	$\alpha = 13^h 12^m$			17 M.	+0.02	+0.5 W.
1904	s	"	17 Hl.	19.84	36.7	$\delta = -8^\circ 12'$			Mean.....	+0.023	+0.20
May 7 Ei.Y.	41.61	53.4 W.	21 Hl.	19.86	36.6 E.	1904	s	"	Mag. corr.....	+0.002	
27 Ei.Y.	41.63	53.4 W.	Mean.....	19.836	36.74	Mar. 28 Ei.Y.	30.27	15.9 W.	γ Hydræ		
1905			Mag. corr.....	-0.002		29 Ei.Y.	30.28	16.8 W.	$\alpha = 13^h 13^m 29^s.055$		
Apr. 14 Ei.Y.	41.61	54.4 E.	B. D. -6° 3776			1905			$\delta = -22^\circ 38' 38''.56$		
1906			$\alpha = 13^h 11^m$			Apr. 13 Ei.Y.	30.28	15.2 E.	1907	s	"
Apr. 7 Ei.Y.	41.60	54.9 W.	$\delta = -6^\circ 24'$			1906			May 20 M.	+0.09	-1.2 E.
Mean.....	41.612	54.02	1904			Apr. 19 Ei.Y.	30.25	16.7 W.	1908		
Mag. corr.....	+0.013		Apr. 5 Ei.Y.	37.56	23.7 W.	Mean.....	30.270	16.15	Feb. 8 P.	+0.06	+0.1
B. D. -2° 3659			14 Ei.Y.	37.55	23.8 W.	Mag. corr.....	+0.010		21 P.	+0.15	+0.2
$\alpha = 13^h 10^m$			1905			σ Virginis			Mar. 12 M.	+0.07	+0.1
$\delta = -2^\circ 34'$			Apr. 17 Ei.Y.	37.45	23.8 E.	$\alpha = 13^h 12^m$			Apr. 4 P.	+0.05	+1.2 E.
1904	s	"	1906			$\delta = +5^\circ 59'$			June 1 Fk.	+0.06	....
May 4 Ei.Y.	48.29	50.4 W.	Apr. 13 Ei.Y.	37.49	23.8 W.	1904	s	"	2 P.	+0.06	+1.5
5 Ei.Y.	48.29	51.1 W.	Mean.....	37.512	23.78	May 3 Br.	33.30	49.1 W.	4 M.	+0.06	+0.8
1905			Mag. corr.....	-0.002		1905			1909		
Apr. 8 Ei.Y.	48.33	51.4 E.	B. D. -12° 3785			Jan. 19 Br.	33.34	49.0 E.	Jan. 20 M.	+0.05	-0.4
1906			$\alpha = 13^h 11^m$			Apr. 18 Br.	33.25	48.7	26 P.	+0.11	-0.4 W.
Apr. 17 Ei.Y.	48.28	52.0 W.	$\delta = -12^\circ 37'$			1907			1910		
Mean.....	48.298	51.22	1904			May 18 P.	33.44	47.5	Jan. 14 L.	+0.10	+0.6 E.
Mag. corr.....	-0.009		Apr. 18 Ei.Y.	41.64	50.3 W.	1908			Mean.....	+0.078	+0.25
B. D. -4° 3452			May 24 Ei.Y.	41.64	49.5 W.	Jan. 8 M.	33.33	48.4	Mag. corr.....	-0.001	
$\alpha = 13^h 10^m$			1905			10 M.	33.30	48.4 E.	B. D. -0° 2678		
$\delta = -5^\circ 8'$			Apr. 24 Ei.Y.	41.65	50.3 E.	May 11 M.	33.33	47.5 W.	$\alpha = 13^h 13^m$		
1904	s	"	1906			20 Fk.	33.27	48.7	$\delta = -0^\circ 44'$		
Mar. 28 Ei.Y.	52.37	20.0 W.	Apr. 24 Ei.Y.	41.62	49.6 W.	22 P.	33.29	48.0	1904	s	"
29 Ei.Y.	52.34	20.8 W.	Mean.....	41.638	49.92	23 M.	33.33	48.5 W.	Apr. 5 Ei.Y.	50.94	30.4 W.
1905			Mag. corr.....	+0.003		Mean.....	33.318	48.38	14 Ei.Y.	50.85	30.7 W.
Apr. 13 Ei.Y.	52.33	19.3 E.	B. D. -9° 3654			Mag. corr.....	+0.001		1905		
1906			$\alpha = 13^h 12^m$			20 Canum Venaticorum			Apr. 17 Ei.Y.	50.83	30.6 E.
Apr. 19 Ei.Y.	52.28	21.1 W.	$\delta = -10^\circ 1'$			$\alpha = 13^h 13^m 3^s.542$			1906		
Mean.....	52.330	20.30	1904			$\delta = +41^\circ 5' 56''.90$			Apr. 13 Ei.Y.	50.90	30.8 W.
Mag. corr.....	+0.002		Mar. 9 Ei.Y.	12.74	9.4 W.	1904	s	"	Mean.....	50.880	30.62
			15 Ei.Y.	12.79	8.7 W.	Jan. 13 Br.	-0.10	+0.2 W.	Mag. corr.....	-0.008	
						15 Br.	-0.03	-1.3 W.			

B. D. -10° 3652				B. D. -9° 3669				l Ursæ Minoris				1906			
$\alpha = 13^h 14^m$				$\alpha = 13^h 15^m$				$\alpha = 13^h 18^m$				$\alpha = 13^h 18^m$			
$\delta = -11^\circ 8'$				$\delta = -9^\circ 28'$				$\delta = +85^\circ 16'$				$\delta = +85^\circ 16'$			
1904				1904				1906				1906			
s				s				s				s			
May 4 Ei.Y. 28.09 46.9 W.				May 7 Ei.Y. 57.97 32.1 W.				Jan. 31 Hl. 38.44 37.6 W.				Apr. 7 Ei.Y. 20.93 28.9 W.			
5 Ei.Y. 28.08 48.1 W.				27 Ei.Y. 57.99 32.4 W.				Mar. 31 Bs. 37.83 38.2 W.				Mean..... 20.915 28.98			
1905				1905				1907				ζ^1 Ursæ Majoris			
Apr. 8 Ei.Y. 28.08 48.0 E.				Apr. 14 Ei.Y. 57.99 32.3 E.				Apr. 29 M. 37.60 38.4 E.				$\alpha = 13^h 19^m 54^s.183$			
1906				1906				May 9 M. 37.97 38.4				$\delta = +55^\circ 26' 51''.04$			
Apr. 7 Ei.Y. 28.06 48.4 W.				Apr. 13 Ei.Y. 58.00 32.6 W.				13 M. 38.19 38.9				1908			
Mean..... 28.078 47.85				Mean..... 57.988 32.35				28 M. 38.08 38.5				s			
Mag. corr..... +0.010				Mag. corr..... +0.012				1908				Jan. 5 M. -0.04 +0.1 E.			
B. D. -10° 3655				B. D. -13° 3692				Jan. 10 M. 38.61 39.6 E.				8 M. -0.02 -0.2			
$\alpha = 13^h 15^m$				$\alpha = 13^h 16^m$				May 10 P. 38.15 38.1 W.				14 M. +0.06 +0.7			
$\delta = -10^\circ 46'$				$\delta = -13^\circ 53'$				11 M. 38.02 38.7				25 P. +0.06 0.0			
1904				1904				June 5 P. 37.88 38.2 W.				Mar. 2 Hl. -0.05 +0.2 E.			
s				s				Mean..... 38.077 38.46				May 22 P. +0.03 -0.6 W.			
Apr. 18 Ei.Y. 4.76 42.9 W.				May 4 Ei.Y. 47.66 40.4 W.				Mag. corr..... +0.005				28 M. +0.03 +0.2			
May 24 Ei.Y. 4.81 42.8 W.				5 Ei.Y. 47.59 41.1 W.				l Ursæ Minoris s. p.				1909			
1905				1905				$\alpha = 13^h 18^m$				Jan. 5 L. -0.20 +0.8			
Apr. 24 Ei.Y. 4.74 43.2 E.				Apr. 8 Ei.Y. 47.61 40.2 E.				$\delta = +85^\circ 16'$				12 L. -0.05 -1.0			
1906				1906				1907				17 M. -0.12 -0.2 W.			
Apr. 10 Ei.Y. 4.76 43.0 W.				Apr. 7 Ei.Y. 47.55 41.9 W.				Aug. 7 P. 37.76 38.5 E.				Mean..... -0.030 0.00			
Mean..... 4.768 42.98				Mean..... 47.602 40.90				12 P. 37.78 39.2				Mag. corr..... +0.004			
Mag. corr..... +0.014				Mag. corr..... +0.012				24 P. 37.17 38.5				α Virginis			
B. D. -6° 3788				B. D. -11° 3498				Nov. 25 M. 38.20 38.3				$\alpha = 13^h 19^m 55^s.411$			
$\alpha = 13^h 15^m$				$\alpha = 13^h 16^m$				29 Hl. 37.52 38.5 E.				$\delta = -10^\circ 38' 21''.85$			
$\delta = -6^\circ 57'$				$\delta = -12^\circ 3'$				1908				1903			
1904				1904				Aug. 12 Fk. 38.21 38.1 W.				Dec. 16 Br. [+0.02] [+1.9] W.			
s				s				Sept. 3 P. 37.92 38.6				1904			
Mar. 16 Ei.Y. 21.89 28.1 W.				Mar. 28 Ei.Y. 50.94 19.4 W.				7 P. 37.18 39.0				Mar. 9 Ei.Y. +0.05 +0.2			
29 Ei.Y. 21.92 29.0 W.				29 Ei.Y. 50.96 20.4 W.				Dec. 2 M. 38.56 38.3				15 Ei.Y. -0.02 +1.0			
1905				1905				26 L. 37.99 37.5 W.				16 Ei.Y. +0.04 +0.7			
Apr. 19 Ei.M. 21.91 28.5 E.				Apr. 13 Ei.Y. 51.02 18.9 E.				Mean..... 37.829 38.45				Apr. 5 Ei.Y. +0.07 +0.7			
1906				1906				Mag. corr..... +0.002				7 Ei.Y. -0.04 +0.4			
Apr. 17 Ei.Y. 21.96 28.5 W.				Apr. 19 Ei.Y. 50.89 20.7 W.				B. D. -1° 2815				14 Ei.Y. -0.04 +0.8			
Mean..... 21.920 28.52				Mean..... 50.952 19.85				$\alpha = 13^h 19^m$				May 3 Br. -0.05 +0.7			
Mag. corr..... -0.013				Mag. corr..... +0.010				$\delta = -1^\circ 35'$				4 Ei.Y. +0.03 +1.1			
B. D. -2° 3671				B. D. -5° 3678				1904				5 Ei.Y. +0.05 +0.7			
$\alpha = 13^h 15^m$				$\alpha = 13^h 17^m$				May 11 Ei.Y. 5.86 6.0 W.				13 Br. +0.02 +0.7 W.			
$\delta = -3^\circ 0'$				$\delta = -5^\circ 40'$				12 Ei.Y. 5.81 5.9 W.				1905			
1904				1904				1905				Jan. 19 Br. +0.06 +0.2 E.			
s				s				Apr. 19 Ei.M. 5.80 5.4 E.				22 Y. -0.02 -0.4			
Mar. 9 Ei.Y. 32.58 31.0 W.				Apr. 5 Ei.Y. 19.40 29.3 W.				1906				Feb. 20 Br. +0.08 +0.1			
28 Ei.Y. 32.54 30.4 W.				14 Ei.Y. 19.33 29.4 W.				Apr. 13 Ei.Y. 5.85 5.9 W.				Apr. 8 Ei.Y. +0.06 +1.3			
1905				1905				Mean..... 5.830 5.80				May 12 Br. +0.06 +0.1 E.			
Apr. 20 Ei.Y. 32.56 31.8 E.				Apr. 17 Ei.Y. 19.31 30.0 E.				Mag. corr..... -0.003				1906			
1906				1906				B. D. -3° 3462				Jan. 5 Hl. +0.06 +0.7 W.			
Apr. 16 Ei.Y. 32.56 31.0 W.				Apr. 17 Ei.Y. 19.32 30.6 W.				$\alpha = 13^h 19^m$				24 Hl. +0.05 -0.1			
Mean..... 32.560 31.05				Mean..... 19.340 29.82				$\delta = -3^\circ 47'$				29 Br. +0.04 -0.3			
Mag. corr..... -0.014				Mag. corr..... +0.015				1904				Apr. 17 Ei.Y. +0.06 -0.1			
23 Canum Venaticorum				B. D. -4° 3469				May 28 Ei.Y. 15.95 0.2 W.				24 Ei.Y. +0.05 +0.5			
$\alpha = 13^h 15^m$				$\alpha = 13^h 18^m$				June 3 Ei.Y. 15.95 0.3 W.				27 Br. 0.00 -0.4 W.			
$\delta = +40^\circ 40'$				$\delta = -4^\circ 24'$				1905				1908			
1904				1904				Apr. 20 Ei.Y. 15.93 0.9 E.				Mar. 3 P. +0.09 ... E.			
s				s				1906				4 M. 0.00 ...			
Dec. 30 Br. 50.24 31.5 E.				Apr. 18 Ei.Y. 7.94 4.0 W.				Apr. 16 Ei.Y. 15.94 0.6 W.				27 Fk. +0.10 -0.1			
1905				May 24 Ei.Y. 7.94 4.0 W.				Mean..... 15.942 0.50				Apr. 3 Fk. +0.11 +0.6			
Jan. 12 Br. 50.11 32.0				Apr. 24 Ei.Y. 7.92 4.6 E.				B. D. -4° 3472				16 M. +0.02 +0.3 E.			
22 Y. 50.03 32.2 E.				1906				$\alpha = 13^h 19^m$				May 1 P. +0.07 +0.6 W.			
1906				1906				$\delta = -4^\circ 38'$				2 Fk. +0.08 ...			
Jan. 24 Hl. 50.16 31.0 W.				Apr. 10 Ei.Y. 7.91 3.9 W.				1904				9 Fk. +0.06 ...			
29 Br. 50.10 32.0				Mean..... 7.928 4.12				May 7 Ei.Y. 20.88 28.8 W.				18 M. +0.02 ...			
Apr. 27 Br. 50.10 31.5 W.				Mag. corr..... +0.024				27 Ei.Y. 20.93 29.4 W.				June 1 Fk. 0.00 ...			
1907				1907				1905				2 P. +0.06 +0.3			
Apr. 17 P. 50.04 32.8 E.				1908				Apr. 14 Ei.Y. 20.92 28.8 E.				1909			
1908				1908				B. D. -4° 3472				Jan. 1 L. +0.05 +0.6 W.			
Mar. 2 Hl. 50.13 32.2 E.				1909				$\alpha = 13^h 19^m$				May 15 L. +0.07 -0.1 E.			
May 1 P. 50.18 31.5 W.				1910				$\delta = -4^\circ 38'$				17 M. +0.04 +0.5			
2 Fk. 50.12 31.6 W.				1910				1904				18 P. +0.07 -0.3			
Mean..... 50.121 31.83				1910				May 7 Ei.Y. 20.88 28.8 W.				30 P. +0.04 +0.1			
Mag. corr..... -0.003				1910				27 Ei.Y. 20.93 29.4 W.				1910			
								1905				Jan. 3 P. +0.12 +0.3			
								Apr. 14 Ei.Y. 20.92 28.8 E.				14 L. +0.01 +0.7			
												18 L. +0.09 +0.5			
												30 M. +0.02 +0.9 E.			

1910	s	"	1909	s	"	9 B. Ursae Minoris s. p.	1908	s	"
Feb. 26 L.	+0.04	-0.6 E.	Jan. 20 M.	26.08	14.6 W.	$\alpha = 13^h 23^m 35^s.021$	June 1 Fk.	-0.11	... W.
Mar. 4 L.	+0.03	+0.5	26 P.	26.06	14.1	$\delta = +72^\circ 54' 38''.32$	2 P.	+0.13	+1.3 W.
5 P.	+0.01	+0.4	Feb. 4 P.	26.13	15.4	1906	Mean.....	+0.007	+0.52
13 M.	0.00	+0.9	11 P.	26.12	14.1	Jan. 6 Hl.	Mag. corr.....	-0.003	
Apr. 2 P.	+0.07	-0.3	18 P.	26.12	14.7 W.	1907			
27 L.	+0.04	+0.4	Mean.....	26.087	14.39	Aug. 26 P.			
May 21 L.	+0.06	+0.6	Mag. corr.....	-0.003		30 M.	+0.20	+0.6 E.	
Dec. 26 P.	+0.05	+0.2				Nov. 14 M.	+0.06	+1.2	
1911						Dec. 2 M.	+0.42	-0.6	
Jan. 15 M.	+0.02	-0.2	B. D. -15° 3668			6 Hl.	+0.01	+1.0	
19 P.	+0.07	0.0	$\alpha = 13^h 22^m$			1908	-0.01	-0.6 E.	
Mar. 16 P.	+0.06	-0.1 E.	$\delta = -15^\circ 27'$			Aug. 13 P.	+0.10	+0.1 W.	
Mean.....	+0.042	+0.33	1904	s	"	20 Fk.	+0.28	+0.1	
Mag. corr.....	-0.008		May 28 Ei.Y.	7.05	17.2 W.	30 M.	+0.14	+0.9	
			June 3 Ei.Y.	7.02	17.4 W.	31 P.	+0.12	+0.9 W.	
B. D. -8° 3550			1905			Mean.....	+0.149	+0.42	
$\alpha = 13^h 20^m$			Apr. 20 Ei.Y.	7.04	17.5 E.	Mag. corr.....	+0.010		
$\delta = -8^\circ 15'$			1906						
1904	s	"	Apr. 16 Ei.Y.	7.04	16.4 W.	B. D. -5° 3702			
Mar. 28 Ei.Y.	0.32	52.0 W.	Mean.....	7.038	17.12	$\alpha = 13^h 23^m$			
29 Ei.Y.	0.32	52.7 W.	Mag. corr.....	+0.002		$\delta = -5^\circ 28'$			
1905						1904	s	"	
Apr. 13 Ei.Y.	0.34	51.5 E.	B. D. -8° 3562			May 4 Ei.Y.	50.85	15.3 W.	
1906			$\alpha = 13^h 23^m$			5 Ei.Y.	50.91	15.9 W.	
Apr. 19 Ei.Y.	0.36	52.8 W.	$\delta = -9^\circ 13'$			1905			
Mean.....	0.335	52.25	1904	s	"	Apr. 8 Ei.Y.	50.90	15.7 E.	
Mag. corr.....	+0.003		May 7 Ei.Y.	13.04	32.2 W.	1906			
B. D. -6° 3811 (pr.)			27 Ei.Y.	13.00	31.8 W.	Apr. 19 Ei.Y.	50.78	16.3 W.	
$\alpha = 13^h 20^m$			1905			Mean.....	50.860	15.80	
$\delta = -7^\circ 3'$			Apr. 14 Ei.Y.	13.03	32.2 E.	Mag. corr.....	+0.012		
1904	s	"	1906						
Apr. 18 Ei.Y.	7.52	43.2 W.	Apr. 17 Ei.Y.	13.04	33.0 W.	B. D. -0° 2694			
May 24 Ei.Y.	7.58	43.3 W.	Mean.....	13.028	32.30	$\alpha = 13^h 24^m$			
1905			Mag. corr.....	-0.001		$\delta = -0^\circ 50'$			
Apr. 17 Ei.Y.	7.54	44.1 E.				1904	s	"	
1906			70 Virginis			Apr. 18 Ei.Y.	6.90	42.9 W.	
Apr. 13 Ei.Y.	7.52	43.8 W.	$\alpha = 13^h 23^m 32^s.214$			May 24 Ei.Y.	6.98	42.5 W.	
Mean.....	7.540	43.60	$\delta = +14^\circ 18' 41''.65$			1905			
Mag. corr.....	-0.003		1907	s	"	Apr. 17 Ei.Y.	6.90	43.1 E.	
B. D. -0° 2686			Apr. 29 M.	+0.07	+0.3 E.	1906			
$\alpha = 13^h 21^m$			May 18 P.	0.00	+0.4	Apr. 13 Ei.Y.	6.90	42.2 W.	
$\delta = -0^\circ 40'$			21 Hl.	-0.05	+0.2	Mean.....	6.920	42.68	
1904	s	"	1908			Mag. corr.....	+0.019		
Apr. 5 Ei.Y.	4.05	20.0 W.	Jan. 9 P.	+0.03	+0.6	B. D. -13° 3716			
14 Ei.Y.	4.01	20.0 W.	21 P.	+0.01	-0.2 E.	$\alpha = 13^h 24^m$			
1905			May 11 M.	-0.06	-0.3 W.	$\delta = -13^\circ 29'$			
Apr. 24 Ei.Y.	3.98	20.3 E.	12 P.	+0.08	-0.2	1904	s	"	
1906			22 P.	+0.01	+0.5	Mar. 28 Ei.Y.	38.89	4.4 W.	
Apr. 10 Ei.Y.	3.98	19.6 W.	June 5 P.	-0.05	+0.5	29 Ei.Y.	38.93	4.7 W.	
Mean.....	4.005	19.98	6 Fk.	-0.07	+0.2 W.	1905			
Mag. corr.....	+0.023		Mean.....	-0.003	+0.20	Apr. 13 Ei.Y.	38.98	3.7 E.	
i Virginis			Mag. corr.....	0.000		1906			
$\alpha = 13^h 21^m$			9 B. Ursae Minoris			Apr. 7 Ei.Y.	38.89	5.0 W.	
$\delta = -12^\circ 11'$			$\alpha = 13^h 23^m 35^s.021$			Mean.....	38.922	4.45	
1904	s	"	$\delta = +72^\circ 54' 38''.31$			Mag. corr.....	-0.010		
May 11 Ei.Y.	26.14	13.8 W.	1908	s	"	69 H. Ursae Majoris			
12 Ei.Y.	26.03	14.1 W.	Jan. 14 M.	+0.03	+0.5 E.	$\alpha = 13^h 24^m 46^s.854$			
1905			25 P.	+0.21	+0.6	$\delta = +60^\circ 27' 44''.06$			
Apr. 19 Ei.M.	26.06	13.6 E.	Mar. 12 M.	+0.13	+0.6	1905	s	"	
1906			Apr. 3 Fk.	+0.10	+0.4	Apr. 18 Br.	-0.03	+0.2 E.	
Apr. 7 Ei.Y.	26.06	14.1 W.	4 P.	+0.08	+1.0 E.	1907			
May 11 P.	26.00	15.3 E.	1 P.	+0.08	+1.2 W.	June 5 M.	-0.01	+0.2	
20 M.	26.12	14.2	2 Fk.	+0.09	-0.2	1908			
1908			10 P.	+0.08	-0.6	Jan. 8 M.	+0.01	+0.4	
Feb. 8 P.	26.10	13.4	17 P.	+0.16	+0.5	10 M.	+0.05	+0.2	
20 Hl.	26.08	14.8	1909			Feb. 8 P.	+0.03	+0.5 E.	
21 P.	26.12	15.2 E.	Feb. 1 P.	+0.15	+0.5 W.	May 25 M.	-0.03	+0.3 W.	
			Mean.....	+0.111	+0.45	27 Fk.	-0.09	+0.8	
			Mag. corr.....	+0.011		28 M.	+0.12	+0.8 W.	

[illegible]

1906 Apr. 13 Ei.Y. 25.35 33.1 W. Mean..... 25.388 33.25 Mag. corr..... -0.002 B. D. -2° 3714 $\alpha = 13^h 32^m$ $\delta = -2^\circ 43'$	1906 Apr. 19 Ei.Y. 12.29 39.0 W. Mean..... 12.305 38.50 Mag. corr..... -0.008 B. D. -14° 3767 $\alpha = 13^h 33^m$ $\delta = -14^\circ 41'$	1908 May 11 M. 46.77 3.7 W. 18 M. 46.62 4.0 20 Fk. 46.63 3.6 W. Mean..... 46.742 3.70 Mag. corr..... -0.006 13 B. Ursæ Minoris s. p. $\alpha = 13^h 34^m$ $\delta = +71^\circ 45'$	1906 Mar. 20 Ei.Y. +0.06 +0.6 W. 31 Bs. -0.04 +0.1 Apr. 7 Ei.Y. +0.03 -0.4 13 Ei.Y. +0.04 +0.6 19 Ei.Y. +0.07 +0.4 24 Ei.Y. +0.03 +0.6 June 22 Br. [+0.08] ... W. 1907 Apr. 29 M. +0.04 +0.1 E. May 9 M. +0.06 +0.4 13 M. +0.03 +0.6 14 Hl. +0.02 +0.4 17 Hl. +0.02 +0.9 June 5 M. +0.08 +1.0 1908 Jan. 12 M. +0.04 ... Apr. 3 Fk. +0.07 +0.3 E. May 17 P. +0.02 +0.7 W. 27 Fk. +0.07 +0.8 28 M. +0.08 +0.7 June 6 Fk. +0.01 +0.2 7 P. +0.05 +1.2 1909 Jan. 5 L. +0.04 +0.6 12 L. +0.03 -0.1 Apr. 5 P. +0.04 +0.7 W. 1910 Jan. 14 L. +0.04 +1.6 E. 18 L. +0.02 +0.7 29 P. +0.02 -0.4 30 M. +0.02 +0.7 Feb. 1 P. 0.00 +0.3 Mar. 4 L. +0.06 +1.1 5 P. +0.01 +0.5 26 L. +0.03 +1.5 Apr. 2 P. +0.03 +0.6 1911 Mar. 16 P. +0.04 +0.7 E. Mean..... +0.038 +0.62 Mag. corr..... -0.001
1904 May 11 Ei.Y. 36.79 32.7 W. 12 Ei.Y. 36.78 32.7 W. 1905 Apr. 20 Ei.Y. 36.81 33.4 E. 1906 Apr. 16 Ei.Y. 36.80 32.4 W. Mean..... 36.795 32.80 Mag. corr..... +0.015 B. D. -13° 3737 $\alpha = 13^h 32^m$ $\delta = -14^\circ 4'$	1904 Apr. 18 Ei.Y. 58.23 60.4 W. May 24 Ei.Y. 58.26 60.3 W. 1905 Apr. 17 Ei.Y. 58.27 60.0 E. 1906 Apr. 13 Ei.Y. 58.22 59.7 W. Mean..... 58.245 60.10 Mag. corr..... +0.006 B. D. -11° 3562 $\alpha = 13^h 33^m$ $\delta = -11^\circ 34'$	1904 Sept. 6 M. 46.76 3.2 E. 8 M. 46.68 3.8 E. 1905 Sept. 22 Bs. 46.86 2.9 W. 1907 Dec. 11 M. 46.87 2.8 E. 12 Hl. 46.78 3.9 1908 Jan. 15 M. 46.69 4.8 E. Aug. 20 Fk. 46.74 3.8 W. 30 M. 46.74 4.1 31 P. 46.84 3.7 Dec. 26 L. 46.78 3.2 W. Mean..... 46.774 3.62 Mag. corr..... -0.005 B. D. -5° 3747 $\alpha = 13^h 35^m$ $\delta = -5^\circ 50'$	1907 May 11 P. +0.01 +0.7 E. 20 M. +0.06 +0.7 June 5 M. +0.05 +1.0 1908 Mar. 3 P. +0.06 +0.3 4 M. -0.03 +0.7 E. May 23 M. +0.02 +1.3 W. 25 M. +0.04 -0.1 June 2 P. +0.05 +1.5 4 M. +0.06 +0.9 5 P. -0.02 +0.9 W. Mean..... +0.030 +0.79 Mag. corr..... +0.001 B. D. -8° 3602 $\alpha = 13^h 33^m$ $\delta = -8^\circ 34'$
25 Canum Venaticorum $\alpha = 13^h 33^m 1^s.022$ $\delta = +36^\circ 48' 12''.52$	1904 Apr. 5 Ei.Y. 58.96 56.7 W. 14 Ei.Y. 58.95 56.9 W. 1905 Apr. 24 Ei.Y. 58.90 57.0 E. 1906 Mar. 20 Ei.Y. 58.96 57.2 W. Mean..... 58.942 56.95 Mag. corr..... +0.002 B. D. -9° 3737 $\alpha = 13^h 34^m$ $\delta = -9^\circ 36'$	1904 May 7 Ei.Y. 50.10 50.7 W. 27 Ei.Y. 50.12 50.2 W. 1905 Apr. 14 Ei.Y. 50.14 50.1 E. 1906 Apr. 17 Ei.Y. 50.15 51.2 W. Mean..... 50.128 50.55 Mag. corr..... -0.008 m Virginis $\alpha = 13^h 36^m 21^s.693$ $\delta = -8^\circ 11' 54''.06$	1904 Mar. 28 Ei.Y. 7.12 18.4 W. 29 Ei.Y. 7.19 19.0 W. 1905 Apr. 13 Ei.Y. 7.24 17.9 E. 1906 Apr. 16 Ei.Y. 7.14 19.3 W. Mean..... 7.172 18.65 Mag. corr..... -0.013 B. D. -3° 3522 $\alpha = 13^h 38^m$ $\delta = -3^\circ 46'$
1907 May 11 P. +0.01 +0.7 E. 20 M. +0.06 +0.7 June 5 M. +0.05 +1.0 1908 Mar. 3 P. +0.06 +0.3 4 M. -0.03 +0.7 E. May 23 M. +0.02 +1.3 W. 25 M. +0.04 -0.1 June 2 P. +0.05 +1.5 4 M. +0.06 +0.9 5 P. -0.02 +0.9 W. Mean..... +0.030 +0.79 Mag. corr..... +0.001 B. D. -8° 3602 $\alpha = 13^h 33^m$ $\delta = -8^\circ 34'$	1904 Apr. 16 Ei.Y. 17.69 21.7 W. 20 Ei.Y. 17.66 21.6 W. 1905 Apr. 19 Ei.M. 17.60 21.3 E. 1906 Apr. 7 Ei.Y. 17.69 22.0 W. Mean..... 17.660 21.65 Mag. corr..... +0.001 B. D. -15° 3715 $\alpha = 13^h 34^m$ $\delta = -15^\circ 56'$	1903 Dec. 30 Br. [+0.13] [-0.1] W. 1904 Jan. 13 Br. +0.06 +0.2 15 Br. +0.01 +0.4 Feb. 8 Br. -0.04 +0.6 22 Br. +0.04 +1.6 Apr. 16 Ei.Y. +0.02 +1.1 20 Ei.Y. +0.06 +0.7 May 4 Ei.Y. +0.06 +1.5 5 Ei.Y. +0.07 +0.6 24 Ei.Y. +0.08 +0.8 28 Ei.Y. +0.11 +0.8 June 3 Ei.Y. +0.03 +0.6 20 R. [-0.04] ... W. 1905 Jan. 19 Br. +0.02 +0.5 E. Feb. 20 Br. -0.01 -0.1 Apr. 8 Ei.Y. +0.04 +1.3 17 Ei.Y. +0.04 +0.3 20 Ei.Y. +0.04 +0.1 24 Ei.Y. +0.08 +0.4 June 2 Br. +0.01 +1.1 E. 1906 Jan. 5 Hl. +0.04 0.0 W. 16 Bs. +0.05 +1.9 18 Br. +0.04 +0.8 24 Hl. +0.02 +1.0 28 Bs. +0.05 +0.1 29 Br. +0.05 +0.2 31 Hl. +0.03 +0.3 W.	1904 Mar. 28 Ei.Y. 7.12 18.4 W. 29 Ei.Y. 7.19 19.0 W. 1905 Apr. 13 Ei.Y. 7.24 17.9 E. 1906 Apr. 16 Ei.Y. 7.14 19.3 W. Mean..... 7.172 18.65 Mag. corr..... -0.013 B. D. -3° 3522 $\alpha = 13^h 38^m$ $\delta = -3^\circ 46'$
1904 May 4 Ei.Y. 4.12 55.9 W. 5 Ei.Y. 4.09 56.5 W. 1905 Apr. 8 Ei.Y. 4.13 55.9 E. 1906 Apr. 17 Ei.Y. 4.12 57.2 W. Mean..... 4.115 56.38 Mag. corr..... -0.010 B. D. -10° 3724 $\alpha = 13^h 33^m$ $\delta = -10^\circ 35'$	1904 May 3 Br. 46.73 3.9 W. 13 Br. 46.78 3.4 W. 1905 Jan. 22 Y. 46.80 3.6 E. 1907 May 28 M. 46.75 4.1 1908 Mar. 12 M. 46.90 3.5 27 Fk. 46.67 3.2 Apr. 4 P. 46.77 4.0 E.	1904 Jan. 19 Br. +0.02 +0.5 E. Feb. 20 Br. -0.01 -0.1 Apr. 8 Ei.Y. +0.04 +1.3 17 Ei.Y. +0.04 +0.3 20 Ei.Y. +0.04 +0.1 24 Ei.Y. +0.08 +0.4 June 2 Br. +0.01 +1.1 E. 1906 Jan. 5 Hl. +0.04 0.0 W. 16 Bs. +0.05 +1.9 18 Br. +0.04 +0.8 24 Hl. +0.02 +1.0 28 Bs. +0.05 +0.1 29 Br. +0.05 +0.2 31 Hl. +0.03 +0.3 W.	1904 Apr. 18 Ei.Y. 19.24 12.1 W. May 24 Ei.Y. 19.24 11.9 W. 1905 Apr. 17 Ei.Y. 19.20 12.1 E. 1906 Apr. 7 Ei.Y. 19.22 12.2 W. Mean..... 19.225 12.08 Mag. corr..... +0.012 B. D. -4° 3540 $\alpha = 13^h 38^m$ $\delta = -4^\circ 59'$
1904 Mar. 28 Ei.Y. 12.29 38.5 W. 29 Ei.Y. 12.30 38.9 W. 1905 Apr. 13 Ei.Y. 12.34 37.6 E.			1904 Apr. 5 Ei.Y. 42.02 42.4 W. 14 Ei.Y. 42.02 42.0 W.

1905 Apr. 24 Ei.Y. 41.92 41.9 E.			i Centauri $\alpha = 13^h 39^m$ $\delta = -32^\circ 32'$			B. D. -7° 3700 $\alpha = 13^h 42^m$ $\delta = -8^\circ 0'$			B. D. -6° 3887 $\alpha = 13^h 43^m$ $\delta = -6^\circ 20'$		
1906 Apr. 24 Ei.Y. 41.99 42.3 W.			1904 May 3 Br. 60.01 17.2 W.			1904 May 11 Ei.Y. 5.52 5.8 W.			1904 Mar. 28 Ei.Y. 4.00 16.5 W.		
Mean..... 41.988 42.15			13 Br. 60.11 17.0 W.			12 Ei.Y. 5.54 5.7 W.			29 Ei.Y. 4.03 17.6 W.		
Mag. corr. +0.019			1905 Jan. 19 Br. 60.08 16.1 E.			1905 Apr. 20 Ei.Y. 5.56 6.4 E.			1905 Apr. 13 Ei.Y. 4.12 16.2 E.		
B. D. -10° 3743			1906 Jan. 16 Bs. 59.99 16.0 W.			1906 Apr. 16 Ei.Y. 5.56 5.9 W.			1906 Apr. 13 Ei.Y. 4.03 17.0 W.		
$\alpha = 13^h 38^m$			28 Bs. 60.02 16.2			Mean..... 5.545 5.95			Mean..... 4.045 16.82		
$\delta = -10^\circ 56'$			Mar. 31 Bs. 60.03 18.2 W.			Mag. corr. -0.008			Mag. corr. +0.016		
1904 Apr. 16 Ei.Y. 56.69 0.1 W.			1907 May 20 M. 60.02 16.1 E.			B. D. -5° 3762			B. D. -16° 3747		
20 Ei.Y. 56.70 0.4 W.			28 M. 60.03 16.4			$\alpha = 13^h 42^m$			$\alpha = 13^h 43^m$		
1905 Apr. 19 Ei.M. 56.78 0.6 E.			June 3 M. 60.09 15.4			$\delta = -6^\circ 12'$			$\delta = -16^\circ 28'$		
1906 Mar. 20 Ei.Y. 56.74 0.6 W.			1908 Jan. 10 M. 59.97 18.6 E.			1904 May 7 Ei.Y. 11.76 19.2 W.			1904 Apr. 18 Ei.Y. 25.78 53.7 W.		
Mean..... 56.728 0.42			Mean..... 60.035 16.72			27 Ei.Y. 11.79 19.2 W.			May 24 Ei.Y. 25.79 54.2 W.		
Mag. corr. -0.001			Mag. corr. +0.009			1905 Apr. 14 Ei.Y. 11.80 18.9 E.			1905 Apr. 17 Ei.Y. 25.75 54.0 E.		
83 Virginis			B. D. -15° 3735			1906 Apr. 17 Ei.Y. 11.76 19.7 W.			1906 Apr. 7 Ei.Y. 25.79 54.2 W.		
$\alpha = 13^h 39^m$			$\alpha = 13^h 40^m$			Mean..... 11.778 19.25			Mean..... 25.778 54.02		
$\delta = -15^\circ 40'$			$\delta = -15^\circ 15'$			Mag. corr. +0.013			Mag. corr. -0.009		
1904 May 11 Ei.Y. 6.02 33.5 W.			1904 Mar. 28 Ei.Y. 11.90 53.5 W.			τ Boötis			B. D. -14° 3806		
12 Ei.Y. 6.00 33.7 W.			29 Ei.Y. 11.90 54.1 W.			$\alpha = 13^h 42^m 30^s 373$			$\alpha = 13^h 43^m$		
1905 Jan. 12 Br. 6.02 32.9 E.			1905 Apr. 13 Ei.Y. 11.95 53.0 E.			$\delta = +17^\circ 57' 18'' 52$			$\delta = -14^\circ 13'$		
16 Br. 6.06 33.2			1906 Apr. 13 Ei.Y. 11.88 53.8 W.			1904 Jan. 13 Br. +0.04 +0.5 W.			1904 Apr. 5 Ei.Y. 31.05 35.6 W.		
22 Y. 6.05 34.3			Mean..... 11.908 53.60			15 Br. +0.06 +0.3			14 Ei.Y. 31.05 35.4 W.		
Apr. 20 Ei.Y. 6.04 33.7			B. D. -11° 3591			24 M. +0.02 +0.4			1905 Apr. 24 Ei.Y. 31.05 35.0 E.		
June 9 Br. 6.01 33.2 E.			$\alpha = 13^h 40^m$			Feb. 3 Br. +0.05 +1.2			1906 Apr. 24 Ei.Y. 31.04 35.6 W.		
1906 Apr. 16 Ei.Y. 6.04 33.2 W.			$\delta = -11^\circ 55'$			8 Br. +0.05 -0.3			Mean..... 31.048 35.40		
1908 Feb. 8 P. 5.91 33.9 E.			1904 Apr. 18 Ei.Y. 36.50 30.6 W.			14 M. 0.00 -0.2			Mag. corr. -0.006		
May 11 M. 5.97 34.0 W.			May 24 Ei.Y. 36.52 30.4 W.			22 Br. +0.04 +0.8 W.			η Ursæ Majoris		
20 Fk. 6.12 34.3			1905 Apr. 17 Ei.Y. 36.51 30.8 E.			1907 Apr. 29 M. +0.08 +0.4 E.			$\alpha = 13^h 43^m 35^s 985$		
22 P. 6.07 34.0			1906 Apr. 7 Ei.Y. 36.51 31.2 W.			May 9 M. +0.07 +0.5			$\delta = +49^\circ 48' 44'' 12$		
23 M. 6.04 33.2			Mean..... 36.510 30.75			1908 Mar. 2 Hl. +0.04 +0.6			1905 Jan. 16 Br. -0.05 +0.6 E.		
25 M. 6.04 34.4 W.			Mag. corr. -0.008			12 M. +0.06 +0.5			Mar. 10 M. -0.02 +0.9		
Mean..... 6.028 33.68			B. D. -8° 3639			Apr. 3 Fk. +0.03 +1.0			1907 June 5 M. -0.01 +1.0		
Mag. corr. -0.006			$\alpha = 18^h 41^m$			1909 May 28 P. 0.00 +1.2			1908 Mar. 3 P. +0.06 +0.6		
B. D. -13° 3761			$\delta = -9^\circ 12'$			29 L. 0.00 +0.2			27 Fk. +0.06 +0.7 E.		
$\alpha = 13^h 39^m$			1904 Apr. 5 Ei.Y. 56.26 29.9 W.			June 2 L. -0.01 +0.4			May 1 P. +0.07 +0.5 W.		
$\delta = -13^\circ 43'$			14 Ei.Y. 56.26 29.6 W.			12 M. +0.01 +0.2			2 Fk. +0.04 +0.1		
1904 May 7 Ei.Y. 22.93 4.1 W.			1905 Apr. 24 Ei.Y. 56.21 30.1 E.			16 L. [-0.01] [+0.8]			27 Fk. -0.06 +0.8		
27 Ei.Y. 22.91 4.3 W.			1906 Apr. 24 Ei.Y. 56.26 29.8 W.			18 L. [0.00] [+0.1]			28 M. -0.07 +0.6		
1905 Apr. 14 Ei.Y. 22.91 4.2 E.			Mean..... 56.248 29.85			19 M. [0.00] [+0.2]			June 1 Fk. -0.11 ... W.		
1906 Apr. 17 Ei.Y. 22.89 5.6 W.			Mag. corr. +0.021			21 L. [+0.4]			Mean..... -0.009 +0.64		
Mean..... 22.910 4.55			B. D. -17° 3932			23 L. [+0.07] [+0.5]			Mag. corr. +0.011		
Mag. corr. +0.013			$\alpha = 13^h 41^m$			1910 June 6 M. +0.01 +0.7 E.			89 Virginis		
B. D. -6° 3878			$\delta = -17^\circ 21'$			Mean..... +0.032 +0.49			$\alpha = 13^h 44^m 26^s 131$		
$\alpha = 13^h 39^m$			1904 Apr. 16 Ei.Y. 58.94 31.9 W.			Mag. corr. +0.005 [+0.40]			$\delta = -17^\circ 38' 10'' 01$		
$\delta = -7^\circ 7'$			20 Ei.Y. 58.92 32.4 W.			B. D. -15° 3739			1903 Dec. 30 Br. [+0.10] [+0.1] W.		
1904 May 4 Ei.Y. 42.36 54.9 W.			1905 Apr. 19 Ei.M. 58.87 32.7 E.			$\alpha = 13^h 42^m$			1904 Apr. 16 Ei.Y. +0.04 +0.8		
5 Ei.Y. 42.34 54.9 W.			1906 Mar. 20 Ei.Y. 59.00 32.7 W.			$\delta = -15^\circ 33'$			20 Ei.Y. +0.03 +0.4		
1905 Apr. 8 Ei.Y. 42.32 54.8 E.			Mean..... 58.932 32.42			1904 May 4 Ei.Y. 34.48 55.2 W.			21 Ei.Y. -0.03 +1.0		
1906 Apr. 19 Ei.Y. 42.26 55.4 W.			Mag. corr. -0.008			5 Ei.Y. 34.51 55.9 W.			May 1 M. +0.04 +0.9		
Mean..... 42.320 55.00			B. D. -15° 3739			1905 Apr. 8 Ei.Y. 34.48 54.9 E.			3 Br. +0.02 +1.2		
Mag. corr. +0.010			1906 Apr. 19 Ei.Y. 34.44 56.2 W.			1906 Apr. 19 Ei.Y. 34.44 56.2 W.			13 Br. -0.02 +1.2		
			Mean..... 34.478 55.55			Mean..... 34.478 55.55			24 Ei.Y. +0.08 +0.3		
			Mag. corr. +0.001			Mag. corr. +0.001			26 Ei. +0.05 +0.9 W.		

1904			B. D. -7° 3712			B. D. -5° 3774			i Draconis		
June 11 M.	0.00	+0.6 W.	$\alpha = 13^h 45^m$			$\alpha = 13^h 47^m$			$\alpha = 13^h 48^m$		
20 R.	[-0.05]	... W.	$\delta = -7^\circ 17'$			$\delta = -5^\circ 59'$			$\delta = +65^\circ 13'$		
1905			1904			1904			1905		
Jan. 22 Y.	+0.03	0.0 E.	May 7 Ei.Y.	35.48	16.3 W.	Apr. 5 Ei.Y.	40.15	43.0 W.	Jan. 19 Br.	30.73	1.7 E.
Apr. 14 Ei.Y.	+0.04	+0.7	27 Ei.Y.	35.41	16.5 W.	14 Ei.Y.	40.14	42.9 W.	1906		
19 Ei.M.	0.00	+0.6	1905			1905			Jan. 16 Bs.	30.52	1.8 W.
May 25 Hl.	+0.13	...	Apr. 14 Ei.Y.	35.46	15.7 E.	Apr. 24 Ei.Y.	40.14	42.9 E.	18 Br.	30.62	2.2
June 2 Br.	+0.05	+0.7	1906			1906			24 Hl.	30.74	2.4
9 Br.	+0.03	+1.3	Apr. 17 Ei.Y.	35.48	16.9 W.	Apr. 24 Ei.Y.	40.10	43.1 W.	28 Bs.	30.72	0.8
13 Br.	+0.02	+1.0 E.	Mean.....	35.458	16.35	Mean.....	40.132	42.98	31 Hl.	30.67	2.1 W.
1906			Mag. corr.....	+0.012		Mag. corr.....	-0.006		1907		
Jan. 16 Bs.	-0.01	(+3.3) W.	B. D. -12° 3910			B. D. -15° 3756			June 3 M.	30.71	1.9 E.
18 Br.	+0.01	+1.4	$\alpha = 13^h 45^m$			$\alpha = 13^h 47^m$			1908		
28 Bs.	+0.08	+0.5	$\delta = -13^\circ 10'$			$\delta = -15^\circ 30'$			Mar. 3 P.	30.68	1.6
29 Br.	+0.05	-0.1	1904			1904			4 M.	30.62	2.1
Feb. 16 Hl.	+0.05	+0.8	May 4 Ei.Y.	44.25	57.2 W.	Apr. 16 Ei.Y.	48.44	14.0 W.	Apr. 3 Fk.	30.65	2.2 E.
Mar. 20 Ei.Y.	+0.08	+0.7	5 Ei.Y.	44.31	57.5 W.	20 Ei.Y.	48.40	13.6 W.	Mean.....	30.666	1.90
31 Bs.	+0.07	+0.2	1905			1905			Mag. corr.....	+0.002	
Apr. 2 Ei.Y.	+0.08	+1.2	Apr. 8 Ei.Y.	44.29	57.5 E.	Apr. 19 Ei.M.	48.30	13.8 E.	i Draconis s. p.		
7 Ei.Y.	+0.03	+0.4	1906			1906			$\alpha = 13^h 48^m$		
13 Ei.Y.	-0.04	+0.5	Apr. 2 Ei.Y.	44.15	57.1 W.	Mar. 20 Ei.Y.	48.33	13.8 W.	$\delta = +65^\circ 12'$		
16 Ei.Y.	+0.04	+1.1	Mean.....	44.250	57.32	Mean.....	48.368	13.80	1905		
17 Ei.Y.	+0.06	+0.4	Mag. corr.....	+0.012		Mag. corr.....	0.000		Aug. 13 M.	30.49	61.5 W.
19 Ei.Y.	+0.02	+0.1	B. D. -4° 3580			B. D. -2° 3752			31 Br.	30.73	61.9
June 22 Br.	[+0.05]	... W.	$\alpha = 13^h 47^m$			$\alpha = 13^h 48^m$			Oct. 4 Hl.	31.01	59.8
1907			$\delta = -4^\circ 34'$			$\delta = -3^\circ 2'$			Nov. 22 Bs.	30.55	60.8
May 14 Hl.	+0.10	+0.6 E.	1904			1904			1906		
21 Hl.	+0.06	0.0	Mar. 28 Ei.Y.	22.48	34.3 W.	May 11 Ei.Y.	1.16	52.1 W.	Jan. 5 Br.	30.68	61.6 W.
28 M.	+0.13	+0.9	29 Ei.Y.	22.52	34.9 W.	12 Ei.Y.	1.14	52.1 W.	1907		
June 3 M.	+0.09	+0.6	1905			1905			Dec. 18 P.	30.71	62.3 E.
6 P.	-0.04	+1.3	Apr. 13 Ei.Y.	22.53	33.9 E.	Apr. 20 Ei.Y.	1.19	52.0 E.	21 P.	30.80	61.6
8 P.	+0.08	+1.2	1906			1906			31 M.	30.52	61.0
1908			Apr. 19 Ei.Y.	22.48	35.0 W.	Apr. 16 Ei.Y.	1.19	51.9 W.	1908		
Jan. 10 M.	+0.04	...	Mean.....	22.502	34.52	Mean.....	1.170	52.02	Jan. 2 M.	30.60	60.9
12 M.	-0.04	...	Mag. corr.....	-0.008		Mag. corr.....	+0.006		9 M.	30.75	62.6 E.
Feb. 8 P.	+0.06	+0.3	h Centauri			7 Boötis			Mean.....	30.684	61.40
20 Hl.	+0.02	-0.2	$\alpha = 13^h 47^m$			$\alpha = 13^h 48^m$			Mag. corr.....	+0.002	
Mar. 4 M.	-0.02	+0.5 E.	$\delta = -31^\circ 25'$			$\delta = +18^\circ 25'$			B. D. -16° 3760		
May 10 P.	+0.04	+0.4 W.	1906			1905			$\alpha = 13^h 48^m$		
11 M.	+0.06	+0.6	Jan. 29 Br.	27.08	60.8 W.	Jan. 12 Br.	26.22	32.3 E.	$\delta = -16^\circ 41'$		
12 P.	+0.09	-0.4	1907			16 Br.	26.19	32.9	1904		
17 P.	-0.02	...	Apr. 29 M.	27.10	61.4 E.	Mar. 10 M.	26.20	33.5 E.	May 5 Ei.Y.	55.18	15.6 W.
18 M.	+0.07	...	May 20 M.	27.13	59.9	1906			11 Ei.Y.	55.12	15.3 W.
June 2 P.	+0.03	+0.3	1908			Mar. 31 Bs.	26.24	32.4 W.	1905		
4 M.	+0.08	+0.5	Jan. 10 M.	27.14	60.7	1908			Apr. 8 Ei.Y.	55.18	15.4 E.
5 P.	+0.06	+0.5	Mar. 2 Hl.	27.23	60.3	Feb. 8 P.	26.22	32.9 E.	1906		
6 Fk.	+0.07	...	12 M.	27.16	61.2 E.	Mar. 27 Fk.	26.25	32.8 E.	Apr. 19 Ei.Y.	55.22	16.1 W.
7 P.	+0.03	-0.3	May 20 Fk.	27.13	60.7 W.	May 1 P.	26.21	33.2 W.	Mean.....	55.175	15.60
1909			23 M.	27.10	60.8	2 Fk.	26.20	32.5	Mag. corr.....	+0.014	
Apr. 5 P.	+0.03	+0.2 W.	25 M.	27.13	61.8	10 P.	26.16	33.7	B. D. -7° 3728 (pr.)		
1910			June 6 Fk.	27.12	61.4 W.	11 M.	26.19	32.6	$\alpha = 13^h 49^m$		
Jan. 14 L.	+0.08	+1.3 E.	Mean.....	27.132	60.90	12 P.	26.21	32.9 W.	$\delta = -7^\circ 33'$		
18 L.	+0.02	+0.9	Mag. corr.....	+0.003		Mean.....	26.208	32.88	1904		
30 M.	+0.07	+0.9	B. D. -9° 3793			Mag. corr.....	-0.005		May 28 Ei.Y.	43.31	59.3 W.
Feb. 1 P.	+0.05	+0.3	$\alpha = 13^h 47^m$			B. D. -13° 3786			June 3 Ei.Y.	43.31	59.5 W.
1911			$\delta = -10^\circ 11'$			$\alpha = 13^h 48^m$			1905		
Jan. 15 M.	+0.06	-0.1	1904			$\delta = -14^\circ 10'$			Apr. 13 Ei.Y.	43.33	58.7 E.
23 P.	-0.01	0.0	Apr. 18 Ei.Y.	35.38	17.9 W.	1904			1906		
24 L.	+0.02	-0.5	May 24 Ei.Y.	35.40	17.6 W.	May 7 Ei.Y.	28.17	15.1 W.	Apr. 17 Ei.Y.	43.32	59.7 W.
27 L.	+0.09	0.0	1905			27 Ei.Y.	28.18	14.8 W.	Mean.....	43.318	59.30
30 P.	+0.02	+0.2 E.	Apr. 17 Ei.Y.	35.39	17.8 E.	1905			Mag. corr.....	+0.017	
Mean.....	+0.041	+0.54	1906			Apr. 14 Ei.Y.	28.20	15.4 E.	B. D. -11° 3626		
Mag. corr.....	0.000		Apr. 7 Ei.Y.	35.34	17.5 W.	1906			$\alpha = 13^h 49^m$		
B. D. -10° 3768			Mean.....	35.378	17.70	Apr. 17 Ei.Y.	28.25	15.4 W.	$\delta = -11^\circ 57'$		
$\alpha = 13^h 45^m$			Mag. corr.....	+0.002		Mean.....	28.200	15.18	1904		
$\delta = -10^\circ 51'$			1904			Mag. corr.....	+0.009		Apr. 18 Ei.Y.	50.39	26.4 W.
1904			Apr. 18 Ei.Y.	35.38	17.9 W.	1904			May 24 Ei.Y.	50.44	26.8 W.
May 11 Ei.Y.	29.80	45.2 W.	May 24 Ei.Y.	35.40	17.6 W.	May 7 Ei.Y.	28.17	15.1 W.			
12 Ei.Y.	29.76	44.8 W.	1905			27 Ei.Y.	28.18	14.8 W.			
1905			Apr. 17 Ei.Y.	35.39	17.8 E.	1905					
Apr. 20 Ei.Y.	29.80	45.6 E.	1906			Apr. 14 Ei.Y.	28.20	15.4 E.			
1906			Apr. 7 Ei.Y.	35.34	17.5 W.	1906					
Apr. 16 Ei.Y.	29.82	45.0 W.	Mean.....	35.378	17.70	Apr. 17 Ei.Y.	28.25	15.4 W.			
Mean.....	29.795	45.15	Mag. corr.....	+0.002		Mean.....	28.200	15.18			
Mag. corr.....	+0.002					Mag. corr.....	+0.009				

1905			1910			47 Hydræ			1906		
Apr. 17	Ei.Y.	50.40 26.7 E.	June 6	M.	-0.03 +0.1 E.	$\alpha = 13^h 52^m$			Apr. 2	Ei.Y.	21.01 1.4 W.
1906			7	P.	-0.06 +1.6	$\delta = -24^\circ 29'$			Mean.....		21.020 1.70
Apr. 2	Ei.Y.	50.44 26.0 W.	8	L.	+0.03 +0.7				Mag. corr.....		-0.006
Mean.....		50.418 26.48	11	L.	.... -0.1				B. D. -17° 3971		
Mag. corr.....		-0.003	1911						$\alpha = 13^h 53^m$		
η Boötis			Jan. 19	P.	+0.04 +0.6 E.				$\delta = -18^\circ 8'$		
$\alpha = 13^h 49^m 55^s.371$			Mean.....		+0.011 +0.51				1904		
$\delta = +18^\circ 53' 53''.52$			Mag. corr.....		+0.002 [+0.005][+0.22]				Apr. 5	Ei.Y.	34.49 11.1 W.
1903			B. D. -8° 3667						14	Ei.Y.	34.47 11.0 W.
Dec. 14	Br.	[+0.09] ... W.	$\alpha = 13^h 50^m$						1905		
22	R.	[-0.13] [+0.2]	$\delta = -9^\circ 4'$						Apr. 24	Ei.Y.	34.43 11.0 E.
30	Br.	[+0.04] [+1.0]	1904						1906		
1904			Apr. 5	Ei.Y.	30.42 9.0 W.				Apr. 24	Ei.Y.	34.47 10.7 W.
Jan. 13	Br.	+0.03 -0.5	14	Ei.Y.	30.40 9.4 W.				Mean.....		34.465 10.95
15	Br.	+0.04 +0.2	1905						Mag. corr.....		+0.012
24	M.	+0.02 +0.5	Apr. 24	Ei.Y.	30.35 9.2 E.				B. D. -6° 3911		
Feb. 3	Br.	+0.06 +0.9	1906						$\alpha = 13^h 53^m$		
8	Br.	+0.03 +1.1	Apr. 24	Ei.Y.	30.39 9.1 W.				$\delta = -6^\circ 26'$		
11	M.	0.00 0.0	Mean.....		30.390 9.18				1904		
14	M.	+0.08 +0.3	Mag. corr.....		+0.013				Apr. 16	Ei.Y.	44.87 11.4 W.
22	Br.	+0.05 (-1.7)	B. D. -9° 3804						20	Ei.Y.	44.78 11.1 W.
Mar. 28	Ei.Y.	+0.05 +0.3	$\alpha = 13^h 50^m$						1905		
29	Ei.Y.	0.00 +0.1	$\delta = -9^\circ 15'$						Apr. 19	Ei.M.	44.81 11.6 E.
May 1	M.	-0.02 +0.6	1904						1906		
23	M.	+0.06 ...	Apr. 16	Ei.Y.	35.16 54.2 W.				Mar. 20	Ei.Y.	44.90 12.1 W.
26	Ei.	+0.06 +0.2	20	Ei.Y.	35.13 54.3 W.				Mean.....		44.840 11.55
June 20	R.	[-0.06] ... W.	1905						Mag. corr.....		+0.012
1905			Apr. 19	Ei.M.	35.06 54.2 E.				B. D. -4° 3597		
Feb. 20	Br.	+0.01 +0.2 E.	1906						$\alpha = 13^h 54^m$		
May 25	Hi.	+0.02 ...	Mar. 20	Ei.Y.	35.18 54.8 W.				$\delta = -4^\circ 55'$		
June 2	Br.	-0.03 +0.6	Mean.....		35.132 54.38				1904		
9	Br.	+0.02 +1.0	Mag. corr.....		+0.014				May 11	Ei.Y.	14.10 56.1 W.
13	Br.	-0.02 +1.0 E.	92 Virginis						12	Ei.Y.	14.08 56.4 W.
1906			$\alpha = 13^h 51^m$						1905		
Feb. 9	Hi.	-0.02 +0.2 W.	$\delta = +1^\circ 32'$						Apr. 20	Ei.Y.	14.06 57.2 E.
Apr. 7	Ei.Y.	-0.01 +0.3	1904						1906		
June 22	Br.	[+0.02] ... W.	May 3	Br.	22.12 23.9 W.				Apr. 16	Ei.Y.	14.11 56.3 W.
1907			13	Br.	22.14 23.3				Mean.....		14.088 56.50
May 18	P.	+0.08 +1.3 E.	June 11	M.	22.19 22.7				Mag. corr.....		+0.008
21	Hi.	0.00 +0.5	1906						48 Hydræ		
28	M.	+0.06 +0.4	Jan. 29	Br.	22.20 22.8 W.				$\alpha = 13^h 54^m 23^s.874$		
June 5	M.	+0.03 +0.8	1907						$\delta = -24^\circ 31' 20''.54$		
6	P.	-0.04 +0.5	Apr. 29	M.	22.20 22.8 E.				1907		
8	P.	-0.02 +0.9	May 14	Hi.	22.13 23.8				May 14	Hi.	+0.06 +0.4 E.
1908			20	M.	22.19 23.4				20	M.	+0.14 +0.4
Jan. 12	M.	-0.02 ...	1908						1908		
Mar. 17	P.	+0.02 ...	Jan. 10	M.	22.15 23.1				Mar. 10	P.	+0.16 -0.6
Apr. 4	P.	0.00 +1.6 E.	Mar. 12	M.	22.15 23.6 E.				21	Fk.	+0.08 -0.2
May 17	P.	+0.05 +0.5 W.	May 12	P.	22.23 22.8 W.				Apr. 4	P.	+0.11 +1.0 E.
18	M.	0.00 ...	June 7	P.	22.19 23.6 W.				May 10	P.	+0.10 -0.1 W.
27	Fk.	-0.04 +0.7	Mean.....		22.172 23.25				11	M.	+0.09 -0.2
28	M.	0.00 +0.6	Mag. corr.....		-0.006				12	P.	+0.11 -0.3
June 1	Fk.	-0.02 ...	B. D. -10° 3790						25	M.	+0.08 -0.2
2	P.	0.00 +1.4	$\alpha = 13^h 52^m$						27	Fk.	+0.10 +0.5 W.
4	M.	+0.02 +0.3	$\delta = -10^\circ 26'$						Mean.....		+0.103 +0.07
5	P.	+0.03 +0.6	1904						Mag. corr.....		-0.004
8	M.	0.00 +0.5	May 11	Ei.Y.	25.23 9.3 W.				B. D. -12° 3933		
1909			12	Ei.Y.	25.20 9.2 W.				$\alpha = 13^h 54^m$		
Jan. 26	P.	0.00 +0.3	1905						$\delta = -12^\circ 58'$		
Apr. 5	P.	+0.03 +0.5 W.	Apr. 20	Ei.Y.	25.18 9.9 E.				1904		
May 28	P.	-0.05 +0.3 E.	1906						May 7	Ei.Y.	45.05 53.3 W.
29	L.	+0.02 -0.1	Apr. 16	Ei.Y.	25.22 10.2 W.				27	Ei.Y.	45.04 53.5 W.
June 2	L.	-0.01 +0.1	Mean.....		25.208 9.65				1905		
12	M.	0.00 -0.2	Mag. corr.....		-0.007				Apr. 14	Ei.Y.	45.07 53.2 E.
16	L.	+0.02 +0.3	B. D. -15° 3781								
18	L.	0.00 +0.2	$\alpha = 13^h 53^m$								
19	M.	[+0.02] [+0.3]	$\delta = -15^\circ 25'$								
21	L.	.... [+0.4]	1904								
23	L.	[+0.02] [-0.3]	May 28	Ei.Y.	6.42 4.2 W.						
24	M.	[+0.04] 0.0	June 3	Ei.Y.	6.44 4.6 W.						
25	L.	.... +0.7	1905								
26	M.	.... [-0.5]	Apr. 13	Ei.Y.	6.51 3.7 E.						
1910			1906								
May 19	M.	-0.01 +0.4	Apr. 17	Ei.Y.	6.44 5.3 W.						
28	L.	+0.02 +1.2 E.	Mean.....		6.452 4.45						
			Mag. corr.....		+0.014						
			B. D. -15° 3781								
			$\alpha = 13^h 53^m$								
			$\delta = -15^\circ 25'$								
			1904								
			Apr. 18	Ei.Y.	21.01 1.8 W.						
			May 24	Ei.Y.	21.06 1.8 W.						
			1905								
			Apr. 17	Ei.Y.	21.00 1.8 E.						

1906			1905			1905			B. D. -8° 3689		
Apr. 7	Ei.Y.	45.07	53.9 W.	June 5	Ei.Y.	+0.02	+0.2 E.	Apr. 24	Ei.Y.	37.33	5.3 E.
Mean.....		45.058	53.48	8	Ei.Y.	0.00	+0.2 E.	1906			
Mag. corr.....		-0.001		Jan. 16	Bs.	-0.01	+1.8 W.	Apr. 24	Ei.Y.	37.26	5.6 W.
B. D. -7° 3748				18	Br.	+0.03	+0.4	Mean.....		37.322	5.38
$\alpha = 13^h 54^m$				24	Hl.	+0.02	+0.8	Mag. corr.....		+0.017	
$\delta = -7^\circ 40'$				28	Bs.	+0.05	+0.6	B. D. -5° 3798			
1904				29	Br.	0.00	+0.1	$\alpha = 13^h 57^m$			
May 4	Ei.Y.	48.38	29.2 W.	31	Hl.	....	+1.0	$\delta = -6^\circ 1'$			
5	Ei.Y.	48.40	29.4 W.	Feb. 16	Hl.	-0.01	+0.4	1904			
1905				Mar. 31	Bs.	+0.01	+0.6	Apr. 16	Ei.Y.	44.21	42.9 W.
Apr. 8	Ei.Y.	48.36	29.4 E.	Apr. 17	Ei.Y.	+0.04	0.0	20	Ei.Y.	44.15	42.4 W.
1906				June 22	Br.	[+0.06]	... W.	1905			
Apr. 19	Ei.Y.	48.33	30.1 W.	1907				Apr. 19	Ei.M.	44.13	42.8 E.
Mean.....		48.368	29.52	Apr. 29	M.	+0.02	+0.4 E.	1906			
Mag. corr.....		+0.016		May 18	P.	+0.04	+0.5	Mar. 20	Ei.Y.	44.22	43.5 W.
B. D. -14° 3846				21	Hl.	-0.01	+0.1	Mean.....		44.178	42.90
$\alpha = 13^h 55^m$				28	M.	+0.04	+0.1	Mag. corr.....		-0.001	
$\delta = -14^\circ 27'$				June 3	M.	+0.02	+0.6	B. D. -10° 3810			
1904				8	P.	-0.01	0.0	$\alpha = 13^h 58^m$			
Apr. 28	Ei.Y.	4.01	58.0 W.	1908				$\delta = -10^\circ 29'$			
June 3	Ei.Y.	4.00	58.3 W.	Mar. 17	P.	+0.04	... E.	1904			
1905				June 4	M.	+0.02	+1.4 W.	Apr. 21	Ei.Y.	7.02	8.8 W.
Apr. 13	Ei.Y.	4.06	57.0 E.	5	P.	+0.04	+0.6	May 11	Ei.Y.	7.04	8.6 W.
1906				6	Fk.	-0.01	+0.4	1905			
Apr. 17	Ei.Y.	4.00	58.7 W.	7	P.	+0.02	+1.1	Apr. 20	Ei.Y.	7.00	9.0 E.
Mean.....		4.018	58.00	9	P.	+0.02	0.0	1906			
Mag. corr.....		+0.001		12	P.	-0.02	+1.1	Apr. 16	Ei.Y.	7.05	9.2 W.
B. D. -9° 3832				1909				Mean.....		7.028	8.90
$\alpha = 13^h 56^m$				Jan. 26	P.	0.00	+0.6	Mag. corr.....		+0.006	
$\delta = -9^\circ 27'$				Apr. 5	P.	+0.04	+0.5 W.	B. D. -11° 3659			
1904				May 28	P.	+0.01	+0.5 E.	$\alpha = 13^h 58^m$			
Apr. 18	Ei.Y.	19.68	24.0 W.	29	L.	0.00	+0.4	$\delta = -11^\circ 38'$			
May 24	Ei.Y.	19.65	24.2 W.	30	P.	-0.03	+0.6	1904			
1905				June 24	M.	[+0.01] [0.0]		May 7	Ei.Y.	50.74	56.1 W.
Apr. 17	Ei.Y.	19.68	23.9 E.	1911				27	Ei.Y.	50.75	56.4 W.
1906				Jan. 19	P.	-0.02	+0.2 E.	1905			
Apr. 2	Ei.Y.	19.66	23.1 W.	Mean.....		+0.015	+0.54	Apr. 14	Ei.Y.	50.78	56.4 E.
Mean.....		19.668	23.80	Mag. corr.....		+0.007		1906			
Mag. corr.....		-0.010		11 Boötis				Apr. 7	Ei.Y.	50.78	56.6 W.
τ Virginis				$\alpha = 13^h 56^m 38^s.413$				Mean.....		50.762	56.38
$\delta = +2^\circ 1' 42''.21$				$\delta = +27^\circ 52' 10''.30$				Mag. corr.....		+0.002	
1904				1905				B. D. -4° 3614			
Jan. 13	Br.	+0.04	+0.6 W.	May 25	Hl.	-0.03	... E.	$\alpha = 13^h 59^m$			
15	Br.	+0.04	+0.5	June 2	Br.	-0.08	+0.5	$\delta = -4^\circ 54'$			
24	M.	0.00	+0.5	9	Br.	-0.03	+0.9	1904			
27	Br.	+0.02	+0.7	13	Br.	-0.06	+1.0	May 4	Ei.Y.	1.25	2.0 W.
Feb. 3	Br.	+0.08	+1.3	1908				5	Ei.Y.	1.23	2.2 W.
Mar. 28	Ei.Y.	+0.06	+0.6	Jan. 10	M.	-0.02	+0.2	1905			
29	Ei.Y.	+0.02	+0.4	Feb. 8	P.	-0.06	+0.8 E.	Apr. 8	Ei.Y.	1.22	2.2 E.
Apr. 21	Ei.Y.	-0.05	0.0	May 17	P.	+0.01	+1.2 W.	1906			
May 13	Br.	-0.01	+0.5	28	M.	-0.04	+0.9	Apr. 19	Ei.Y.	1.24	2.6 W.
26	Ei.	+0.01	+0.4	June 1	Fk.	-0.08	....	Mean.....		1.235	2.25
June 11	M.	+0.01	-0.1	2	P.	+0.01	+1.0	Mag. corr.....		+0.015	
14	Br.	0.00	+0.6	8	M.	-0.01	+1.1 W.	B. D. -14° 3863			
20	R.	[-0.06]	... W.	1909				$\alpha = 13^h 59^m$			
1905				June 2	L.	-0.05	+0.8 E.	$\delta = -14^\circ 29'$			
Jan. 12	Br.	+0.02	-0.2 E.	12	M.	-0.10	-0.2	1904			
16	Br.	+0.03	+1.0	16	L.	[-0.08] [+0.9]		May 11	Ei.Y.	2.07	26.4 W.
19	Br.	+0.02	+0.5	18	L.	[-0.01] [0.0]		12	Ei.Y.	2.06	26.8 W.
Feb. 6	Br.	+0.01	+0.3	19	M.	[-0.06] [+0.4]		1905			
9	Br.	+0.01	0.0	21	L.	.... [+0.6]		Apr. 13	Ei.Y.	2.13	26.1 E.
17	M.	+0.01	+1.1	23	L.	[0.00] [+0.1]		1906			
20	Br.	-0.02	-0.2	25	L.	.... [+0.7] E.		Apr. 2	Ei.Y.	2.07	26.9 W.
Mar. 10	M.	+0.08	+1.5	Mean.....		-0.042	+0.75	Mean.....		2.082	26.55
Apr. 13	Ei.Y.	+0.04	+1.4	Mag. corr.....		+0.013		Mag. corr.....		+0.019	
24	Ei.Y.	+0.01	+1.0 E.	B. D. -16° 3785				94 Virginis			
				$\alpha = 13^h 57^m$				$\alpha = 14^h 0^m 59^s.971$			
				$\delta = -16^\circ 53'$				$\delta = -8^\circ 24' 52''.03$			
				1904				1904			
				Apr. 5	Ei.Y.	37.40	5.1 W.	Apr. 21	Ei.Y.	0.00	+0.7 W.
				14	Ei.Y.	37.30	5.5 W.	May 1	M.	+0.04	+1.2
								13	Br.	-0.02	+1.0
								24	Ei.Y.	+0.05	+0.5 W.

1905			1911			B. D. -11° 3671			1908		
Jan. 19 Br.	+0.08	+1.0 E.	Jan. 30 P.	-0.14	-0.2 E.	$\alpha = 14^h 3^m$			May 27 Fk.	55.90	48.5 W.
Feb. 17 M.	+0.03	+1.3	Feb. 10 M.	0.00	+0.1	$\delta = -11^\circ 21'$			28 M.	55.92	48.7 W.
Mar. 31 M.	+0.06	+0.7	24 L.	-0.01	+0.2 E.				Mean.....	55.918	48.46
Apr. 20 Ei.Y.	+0.05	+0.3 E.	Mean.....	-0.044	-0.04	1904			Mag. corr.....	-0.002	
1906			Mag. corr.....	-0.004		Apr. 5 Ei.Y.	7.53	14.8 W.	B. D. -15° 3817		
Jan. 18 Br.	+0.04	+1.0 W.	α Draconis s. p.			14 Ei.Y.	7.46	14.4 W.	$\alpha = 14^h 5^m$		
23 Bs.	+0.01	+1.0	$\delta = +64^\circ 51' 13''.61$			1905			$\delta = -15^\circ 49'$		
Apr. 16 Ei.Y.	+0.03	+0.6 W.	1904			Apr. 24 Ei.Y.	7.44	14.6 E.	1904		
1908			Sept. 6 M.	-0.01	-1.3 E.	1906			May 4 Ei.Y.	22.72	46.0 W.
Feb. 8 P.	-0.02	+0.7 E.	8 M.	-0.05	-0.3 E.	Mean.....	7.475	14.65	5 Ei.Y.	22.76	46.3 W.
20 Hl.	+0.09	+0.2 E.	1905			Mag. corr.....	+0.014		1905		
May 1 P.	+0.08	+0.9 W.	Sept. 22 Bs.	-0.21	-1.2 W.	B. D. -17° 4013			Apr. 8 Ei.Y.	22.72	45.6 E.
12 P.	+0.07	+0.2 W.	Oct. 4 Hl.	+0.06	-0.6	$\alpha = 14^h 3^m$			1906		
Mean.....	+0.039	+0.75	12 Br.	+0.01	-1.0	$\delta = -17^\circ 15'$			Apr. 19 Ei.Y.	22.67	46.6 W.
Mag. corr.....	+0.012		14 Bs.	-0.20	-0.7	1904			Mean.....	22.718	46.12
B. D. -13° 3824			Nov. 1 Bs.	-0.23	+1.9	Apr. 16 Ei.Y.	21.36	39.6 W.	Mag. corr.....	0.000	
$\alpha = 14^h 1^m$			22 Bs.	-0.13	0.0 W.	20 Ei.Y.	21.33	40.4 W.	B. D. -5° 3824		
$\delta = -13^\circ 43'$			1907			1905			$\alpha = 14^h 5^m$		
1904			Dec. 19 M.	-0.09	-0.2 E.	Apr. 19 Ei.M.	21.26	40.8 E.	$\delta = -5^\circ 30'$		
May 7 Ei.Y.	17.24	37.0 W.	1908			1906			1904		
27 Ei.Y.	17.20	36.9 W.	Jan. 3 P.	-0.02	+0.9	Mar. 20 Ei.Y.	21.34	40.9 W.	May 11 Ei.Y.	42.91	6.6 W.
1905			10 P.	-0.06	-0.7	Mean.....	21.322	40.42	12 Ei.Y.	42.94	6.7 W.
Apr. 14 Ei.Y.	17.18	36.6 E.	1909			Mag. corr.....	-0.010		1905		
1906			Aug. 1 L.	.....	[+2.1]	B. D. -18° 3757			Apr. 13 Ei.Y.	42.96	5.4 E.
Apr. 7 Ei.Y.	17.20	37.5 W.	5 P.	[+0.14]	[-1.1]	$\alpha = 14^h 3^m$			1906		
Mean.....	17.205	37.00	6 L.	[0.00]	[+2.1]	$\delta = -18^\circ 46'$			Apr. 2 Ei.Y.	42.92	5.8 W.
Mag. corr.....	+0.015		7 P.	[+0.10]	[+0.2]	1904			Mean.....	42.932	6.12
B. D. -8° 3697			8 L.	[-0.19]	[+0.6]	Apr. 21 Ei.Y.	28.96	10.5 W.	Mag. corr.....	+0.008	
$\alpha = 14^h 1^m$			1910			May 12 Ei.Y.	28.93	10.0 W.	B. D. -14° 3893		
$\delta = -8^\circ 50'$			Jan. 10 M.	+0.06	+1.4	1905			$\alpha = 14^h 5^m$		
1904			15 L.	-0.02	+1.7	Apr. 20 Ei.Y.	28.90	9.2 E.	$\delta = -14^\circ 44'$		
May 4 Ei.Y.	25.42	9.8 W.	16 P.	-0.06	+1.0	1906			1904		
5 Ei.Y.	25.39	10.1 W.	19 L.	-0.14	+0.9	Apr. 16 Ei.Y.	28.96	10.0 W.	Apr. 18 Ei.Y.	47.27	18.5 W.
1905			20 M.	-0.02	0.0	Mean.....	28.938	9.92	May 24 Ei.Y.	47.24	19.1 W.
Apr. 8 Ei.Y.	25.40	9.8 E.	25 P.	+0.10	-0.1	Mag. corr.....	+0.009		1905		
1906			Feb. 1 M.	[-0.11]	[+1.5]	B. D. -9° 3865			Apr. 17 Ei.Y.	47.24	19.4 E.
Apr. 19 Ei.Y.	25.33	10.6 W.	2 P.	[+0.03]	[0.0]	$\alpha = 14^h 3^m$			1906		
Mean.....	25.385	10.08	1911			$\delta = -9^\circ 51'$			Apr. 17 Ei.Y.	47.25	20.0 W.
Mag. corr.....	-0.005		Jan. 25 L.	-0.14	+0.8	1904			Mean.....	47.250	19.25
α Draconis			30 M.	[-0.37]	[+2.4]	May 7 Ei.Y.	40.82	38.3 W.	Mag. corr.....	-0.008	
$\alpha = 14^h 1^m 40^s.881$			Feb. 5 P.	[+0.06]	[+0.3] E.	27 Ei.Y.	40.79	38.0 W.	d Boötis		
$\delta = +64^\circ 51' 13''.62$			Mean.....	-0.064	+0.14	1905			$\alpha = 14^h 5^m 50^s.322$		
1904			Mag. corr.....	-0.004		Apr. 14 Ei.Y.	40.83	38.1 E.	$\delta = +25^\circ 33' 54''.46$		
June 11 M.	-0.02	+0.6 W.	B. D. -7° 3770			1906			1904		
14 Br.	-0.11	+0.4 W.	$\alpha = 14^h 1^m$			Apr. 7 Ei.Y.	40.82	38.8 W.	Jan. 15 Br.	-0.01	+0.7 W.
1907			$\delta = -7^\circ 57'$			Mean.....	40.815	38.30	24 M.	-0.01	+0.9
May 28 M.	-0.04	-0.6 E.	1904			Mag. corr.....	+0.017		27 Br.	-0.01	+0.3
June 3 M.	-0.08	-0.2	May 11 Ei.Y.	51.31	46.6 W.	9 H. Boötis			Feb. 3 Br.	+0.03	+1.0
6 P.	-0.14	+0.3	12 Ei.Y.	51.27	45.9 W.	$\alpha = 14^h 3^m$			Mar. 3 M.	+0.04	+0.8
1908			1905			$\delta = +44^\circ 19'$			May 1 M.	-0.01	+0.7
Mar. 3 P.	-0.04	-0.7	Apr. 13 Ei.Y.	51.35	45.8 E.	1905			23 M.	-0.07	...
4 M.	+0.01	0.0 E.	1906			Jan. 16 Br.	55.92	48.1 E.	26 Ei.	-0.04	+0.8
May 2 Fk.	-0.04	+0.1 W.	Apr. 2 Ei.Y.	51.29	45.8 W.	Feb. 9 Br.	55.96	48.6	June 20 R.	[-0.08]	...
10 P.	-0.11	+0.5	Mean.....	51.305	46.02	Mar. 10 M.	55.90	48.6 E.	1905		
11 M.	-0.09	+0.1 W.	Mag. corr.....	-0.001		1906			Jan. 12 Br.	-0.03	+0.7 E.
1909			B. D. -12° 3966 (fol.)			Jan. 29 Br.	55.88	48.0 W.	19 Br.	-0.02	+0.6
Aug. 4 L.	[-0.09]	[+0.3] E.	$\alpha = 14^h 2^m$			31 Hl.	.....	49.4 W.	Feb. 6 Br.	-0.06	+1.2
6 L.	[-0.10]	[0.0]	$\delta = -12^\circ 26'$			1907			17 M.	-0.05	+0.8
7 P.	[+0.09]	[0.0]	1904			June 8 P.	55.86	48.0 E.	20 Br.	-0.08	+0.7
1910			Apr. 18 Ei.Y.	40.39	58.4 W.	1908			Mar. 31 M.	-0.05	+1.0
Jan. 9 M.	.....	+0.4	May 24 Ei.Y.	40.37	58.9 W.	Mar. 10 P.	56.00	48.4 E.	May 25 Hl.	-0.04	...
10 P.	+0.02	-1.2	1905			17 P.	55.94	49.3 W.	June 2 Br.	-0.02	+1.0
18 L.	-0.09	+0.1	Apr. 17 Ei.Y.	40.37	58.7 E.	20 Fk.	55.90	48.2	5 Ei.Y.	-0.04	+0.7
19 M.	+0.09	+0.6	1906			23 M.	55.95	48.1	8 Ei.Y.	-0.01	+0.3
25 L.	-0.10	-0.7	Apr. 17 Ei.Y.	40.38	60.0 W.	25 M.	55.89	48.1 W.	9 Br.	-0.04	+1.1
26 M.	+0.04	-0.1	Mean.....	40.378	59.00				13 Br.	-0.08	+1.2
29 P.	-0.11	-0.4	Mag. corr.....	+0.003					15 M.	+0.01	+0.8 E.
30 M.	+0.05	0.0									
Feb. 1 P.	-0.02	-0.2 E.									

1906			1905			B. D. -11° 3693			1909		
Feb. 9	Hi.	-0.03 +0.3 W.	Apr. 13	Ei.Y.	+0.07 +1.8 E.	$\alpha = 14^h 8^m$			Jan. 1	P.	-0.19 +0.8 W.
May 21	Ei.Y.	-0.02 +0.7	17	Ei.Y.	+0.03 +0.5	$\delta = -11^\circ 22'$			2	L.	+0.07 -0.2 W.
29	Ei.Y.	+0.01 +1.4 W.	19	Ei.M.	-0.04 +0.9				Mean.....		-0.101 +0.07
1907			1906			1904			Mag. corr.....		
May 21	Hi.	0.00 +0.7 E.	May 19	Ei.Y.	0.00 +0.2				B. D. -17° 4046		
June 6	P.	+0.06 +1.1	22	Ei.Y.	+0.01 +0.3	Apr. 4	Ei.Y.	20.68 9.3 W.	$\alpha = 14^h 9^m$		
15	P.	+0.03 +0.7	June 5	Ei.Y.	+0.03 +0.3	5	Ei.Y.	20.75 9.7 W.	$\delta = -17^\circ 44'$		
1908			8	Ei.Y.	+0.02 -0.2 E.	1905			Mean.....		
Mar. 2	Hi.	-0.04 +0.6	1907			Apr. 8	Ei.Y.	20.72 10.2 E.	0.000		
9	Hi.	-0.01 ...	Mar. 20	Ei.Y.	+0.04 +0.4 W.	1906			B. D. -15° 3837		
12	M.	+0.08 ...	21	Ei.Y.	+0.02 +0.8	Apr. 19	Ei.Y.	20.70 10.5 W.	$\alpha = 14^h 10^m$		
Apr. 21	P.	-0.04 +1.1 E.	29	Ei.Y.	-0.01 +1.1 W.	Mean.....			$\delta = -15^\circ 36'$		
May 2	Fk.	+0.02 +0.9 W.	1908			20.712		9.92	1904		
10	P.	0.00 +1.2	June 5	M.	+0.02 +0.7 E.	Mag. corr.....			Apr. 5	Ei.Y.	53.33 2.9 W.
11	M.	-0.02 +0.8	1909			+0.013			14	Ei.Y.	53.36 2.8 W.
12	P.	+0.04 +0.4	Mar. 9	Hi.	+0.02 ...	B. D. -6° 3952			1905		
June 1	Fk.	-0.06 ...	10	P.	+0.06 ...	$\alpha = 14^h 9^m$			Apr. 24	Ei.Y.	53.35 2.3 E.
7	P.	+0.01 ...	12	M.	-0.01 -0.4 E.	$\delta = -6^\circ 35'$			1906		
8	M.	-0.05 ...	June 2	P.	+0.04 +0.3 W.	1904			Apr. 24	Ei.Y.	53.34 2.7 W.
9	P.	-0.01 ...	4	M.	+0.03 +0.5				Mean.....		
12	P.	+0.01 ...	5	P.	+0.03 +0.4	May 11	Ei.Y.	0.76 17.1 W.	53.345		2.68
1909			6	Fk.	0.00 +0.2	12	Ei.Y.	0.74 17.3 W.	Mag. corr.....		
Feb. 1	P.	-0.03 +1.9	9	P.	0.00 -0.1	1905			-0.006		
17	M.	-0.02 +0.9	1909			May 22	Ei.Y.	0.76 16.8 E.	B. D. -15° 3837		
Apr. 5	P.	-0.02 +0.9 W.	Jan. 20	M.	+0.01 0.0	1906			$\alpha = 14^h 10^m$		
June 12	M.	-0.02 +0.6 E.	26	P.	+0.05 +0.1	Apr. 2	Ei.Y.	0.78 16.5 W.	$\delta = -15^\circ 36'$		
16	L.	-0.04 +0.7	Feb. 13	M.	+0.03 +0.8 W.	Mean.....			1904		
18	L.	-0.04 +0.6	May 31	L.	+0.02 +0.2 E.	0.760		16.92	Apr. 16	Ei.Y.	22.31 55.9 W.
19	M.	-0.03 +0.4	July 24	P.	[+0.04] [-1.1]	Mag. corr.....			20	Ei.Y.	22.26 56.9 W.
21	L.	... [+0.9]	25	P.	... [-0.7]	-0.001			1905		
23	L.	[-0.02] [+0.2]	1910			B. D. -5° 3837			Apr. 19	Ei.M.	22.25 57.4 E.
24	M.	[-0.04] [+0.2]	Jan. 18	L.	-0.07 +1.1	$\alpha = 14^h 9^m$			1906		
25	L.	... [+0.6]	30	M.	-0.01 +0.1	$\delta = -5^\circ 28'$			Mar. 20	Ei.Y.	22.30 57.3 W.
1910			Feb. 1	P.	-0.04 0.0	1904			Mean.....		
May 28	L.	-0.08 +0.8	Mar. 5	P.	-0.05 +0.7				22.280		56.88
June 6	M.	0.00 +0.9	13	M.	+0.06 +0.5	Apr. 18	Ei.Y.	8.68 56.7 W.	Mag. corr.....		
7	P.	-0.05 +2.0	May 21	L.	-0.01 +1.6	May 24	Ei.Y.	8.66 57.0 W.	0.000		
8	L.	-0.06 +1.1	1911			1905			t Virginis		
14	M.	-0.03 +0.7	Jan. 15	M.	+0.02 +1.0	May 19	Ei.Y.	8.62 56.7 E.	$\alpha = 14^h 10^m 46^s.172$		
20	M.	-0.05 +1.1 E.	19	P.	-0.01 +0.2	Apr. 17	Ei.Y.	8.56 57.5 W.	$\delta = -5^\circ 31' 27''.58$		
Mean.....			23	P.	+0.01 +0.4	Mean.....			1904		
Mag. corr.....			27	L.	+0.01 +0.6	8.630		56.98	Apr. 21	Ei.Y.	+0.04 0.0 W.
B. D. -9° 3877			30	P.	-0.05 +0.2	Mag. corr.....			May 1	M.	+0.05 +0.1
$\alpha = 14^h 7^m$			Feb. 2	P.	+0.07 +1.1	+0.020			26	Ei.	-0.02 +1.0
$\delta = -9^\circ 25'$			10	M.	+0.03 +0.4	4 Ursæ Minoris			28	Ei.Y.	+0.04 +0.4
1904			Mar. 16	P.	+0.02 +1.0 E.	$\alpha = 14^h 9^m 13^s.922$			June 18	M.	0.00 +0.3
Apr. 5	Ei.Y.	13.61 46.9 W.	B. D. -13° 3845			$\delta = +78^\circ 1' 2''.69$			20	R.	[-0.01] ... W.
14	Ei.Y.	13.73 47.0 W.	$\alpha = 14^h 7^m$						1905		
1905			$\delta = -13^\circ 23'$			1904			Jan. 19	Br.	+0.05 +0.2 E.
Apr. 24	Ei.Y.	13.63 46.8 E.	1904						Feb. 6	Br.	+0.04 +0.8
Apr. 24	Ei.Y.	13.65 46.8 W.	Apr. 21	Ei.Y.	45.23 25.1 W.	May 13	Br.	+0.18 0.0 W.	17	M.	-0.02 +1.7
Mean.....			May 11	Ei.Y.	45.24 24.8 W.	Feb. 23	Hi.	-0.03 -0.8 W.	Mar. 31	M.	+0.06 +0.5
Mag. corr.....			1905			May 20	M.	+0.10 -0.6 E.	Apr. 17	Ei.Y.	+0.02 +0.5
t Virginis			Apr. 20	Ei.Y.	45.27 25.0 E.	28	M.	-0.04 -0.3	20	Ei.Y.	+0.03 +0.4
$\alpha = 14^h 7^m 33^s.627$			Apr. 16	Ei.Y.	45.22 24.4 W.	June 8	P.	-0.23 0.0	22	Ei.M.	+0.06 +0.7
$\delta = -9^\circ 48' 28''.82$			Mean.....			1908			May 24	Ei.Y.	+0.02 +0.7
1904			45.240		24.82	Feb. 8	P.	-0.02 -0.5	June 1	Ei.Y.	+0.04 +0.4 E.
Apr. 16	Ei.Y.	+0.04 +0.8 W.	B. D. -7° 3794			Mar. 4	M.	-0.13 -0.3 E.	1906		
20	Ei.Y.	+0.02 +0.8	$\alpha = 14^h 8^m$			June 7	P.	+0.09 +0.7 W.	Apr. 10	Ei.Y.	0.00 +0.4 W.
May 28	Ei.Y.	+0.02 +0.5	$\delta = -7^\circ 58'$			8	M.	+0.05 +0.2	16	Ei.Y.	+0.05 +0.6 W.
June 11	M.	+0.01 +0.1	1904			12	P.	+0.13 +0.7 W.	1907		
14	Br.	-0.01 +0.6	May 7	Ei.Y.	0.99 33.0 W.	Mean.....			Apr. 29	M.	+0.05 +0.2 E.
15	M.	-0.01 +0.7	27	Ei.Y.	0.97 32.1 W.	+0.010		-0.09	May 27	Ei.P.	+0.09 +1.5
18	M.	-0.03 +0.1	1905			Mag. corr.....			1908		
20	R.	[-0.05] ... W.	Apr. 14	Ei.Y.	0.98 32.0 E.	0.000			Feb. 20	Hi.	+0.06 ... E.
1905			1906			4 Ursæ Minoris s. p.			May 10	P.	+0.02 +0.3 W.
Jan. 12	Br.	+0.01 ... E.	Apr. 7	Ei.Y.	1.02 32.8 W.	$\alpha = 14^h 9^m 13^s.911$			11	M.	+0.02 ...
16	Br.	-0.01 +0.8	Mean.....			$\delta = +78^\circ 1' 2''.72$			23	M.	+0.05 +0.5
Feb. 9	Br.	+0.04 +0.1	0.990		32.48	1907			25	M.	+0.02 ...
Mar. 10	M.	0.00 +0.4 E.	Mag. corr.....			Aug. 26	P.	-0.17 -0.8 E.	1909		
			+0.010			Sept. 13	P.	-0.08 -0.2	Jan. 20	M.	-0.02 -0.2
						Dec. 18	P.	-0.20 -0.7	26	P.	+0.05 +0.6
						21	P.	-0.35 0.0	Feb. 1	P.	+0.08 +0.8
						31	M.	-0.33 +0.6 E.	17	M.	+0.04 +1.0
						1908			18	P.	+0.02 -0.7
						Aug. 30	M.	+0.13 +0.4 W.	20	M.	+0.03 -0.2
						31	P.	+0.03 0.0	24	M.	-0.01 +0.8
						Sept. 8	Fk.	+0.08 +0.8 W.	25	P.	+0.08 +0.1 W.

1909			1910			1906			B. D. -7° 3813		
May 31 L.	0.00	+0.4 E.	May 28 L.	+0.03	+0.7 E.	Apr. 17 Ei.Y.	54.29	58.6 W.	$\alpha = 14^h 12^m$		
July 24 P.	[+0.08]	[-0.7]	June 6 M.	+0.06	+0.8	Mean.....	54.308	58.22	$\delta = -7^\circ 30'$		
July 25 P.	....	[+0.1]	7 P.	+0.02	+1.3	Mag. corr.....	+0.013				
1910			8 L.	+0.02	+0.7	B. D. -8° 3740			1904		
Jan. 18 L.	+0.01	+0.7	14 M.	+0.06	+0.2	$\alpha = 14^h 12^m$			Apr. 21 Ei.Y.	41.17	11.9 W.
30 M.	+0.04	+0.2	20 M.	+0.01	+0.4	$\delta = -8^\circ 33'$			May 28 Ei.Y.	41.20	12.0 W.
Feb. 1 P.	0.00	+0.7	21 L.	+0.06	+0.5	1905			Apr. 20 Ei.Y.	41.19	12.5 E.
Mar. 5 P.	-0.01	+0.5	22 P.	+0.01	+0.9 E.	Mean.....	3.93	33.0 W.	1906		
13 M.	+0.04	+0.9	Mean.....	+0.045	+0.60	Apr. 16 Ei.Y.	3.91	31.9 W.	Apr. 16 Ei.Y.	41.21	11.9 W.
26 L.	+0.01	+1.2	Mag. corr.....	0.000	[+0.10]	1905			Mean.....	41.192	12.08
27 M.	+0.07	+0.5	B. D. -5° 3845			Apr. 24 Ei.Y.	3.92	32.5 E.	Mag. corr.....	+0.009	
May 19 M.	....	+0.9	$\alpha = 14^h 11^m$			1906			B. D. -6° 3964		
21 L.	-0.05	+0.6	$\delta = -6^\circ 9'$			Apr. 24 Ei.Y.	3.86	32.5 W.	$\alpha = 14^h 12^m$		
1911			1904			Mean.....	3.905	32.48	$\delta = -7^\circ 4'$		
Jan. 15 M.	+0.07	+1.2	May 7 Ei.Y.	6.05	23.5 W.	λ Boötis			1904		
19 P.	+0.13	+0.5	27 Ei.Y.	6.06	23.5 W.	$\alpha = 14^h 12^m$			May 7 Ei.Y.	42.16	24.2 W.
23 P.	-0.05	+0.8	1905			$\delta = +46^\circ 32'$			27 Ei.Y.	42.05	23.9 W.
30 P.	-0.01	+1.1	Apr. 14 Ei.Y.	6.03	22.3 E.	51'' 82			1905		
Feb. 2 P.	+0.02	+2.1	1906			1905			Apr. 14 Ei.Y.	42.12	24.3 E.
10 M.	+0.09	+0.8	Apr. 7 Ei.Y.	6.06	23.3 W.	May 25 Hl.	-0.02	... E.	1906		
Mar. 16 P.	-0.01	+0.6 E.	Mean.....	6.050	23.15	June 2 Br.	-0.12	+0.1	Apr. 19 Ei.Y.	42.14	24.9 W.
Mean.....	+0.030	+0.60	Mag. corr.....	+0.021		9 Br.	-0.06	+0.8	Mean.....	42.118	24.32
Mag. corr.....	+0.007		B. D. -8° 3737			13 Br.	-0.09	+0.4	Mag. corr.....	+0.017	
α Boötis			$\alpha = 14^h 11^m$			15 M.	-0.05	+1.1	B. D. -18° 3789		
$\delta = +19^\circ 41'$		55'' 34	$\delta = -8^\circ 25'$			16 Br.	-0.02	+0.7 E.	$\alpha = 14^h 13^m$		
1903			1904			1908			$\delta = -18^\circ 15'$		
Dec. 14 Br.	[+0.09]	[-0.4] W.	May 4 Ei.Y.	30.33	10.6 W.	May 17 P.	-0.06	+0.2 W.	1904		
22 R.	[-0.01]	[0.0]	5 Ei.Y.	30.34	10.5 W.	June 2 P.	-0.05	+1.2	Apr. 18 Ei.Y.	6.32	10.0 W.
1904			1905			4 M.	-0.09	+1.1	May 24 Ei.Y.	6.34	10.3 W.
Jan. 13 Br.	+0.03	+0.6	Apr. 8 Ei.Y.	30.30	11.0 E.	5 P.	-0.05	+0.8	1905		
15 Br.	+0.05	+0.7	1906			6 Fk.	-0.10	+0.5 W.	Apr. 8 Ei.Y.	6.32	9.9 E.
20 Br.	....	-0.3	Apr. 19 Ei.Y.	30.17	11.3 W.	Mean.....	-0.065	+0.69	1906		
24 M.	-0.03	+0.6	Mean.....	30.285	10.85	Mag. corr.....	+0.006		Apr. 2 Ei.Y.	6.34	10.0 W.
27 Br.	+0.05	+1.1	Mag. corr.....	-0.017		λ Boötis			Mean.....	6.330	10.05
Feb. 3 Br.	+0.13	+1.0	B. D. -17° 4053			$\alpha = 14^h 12^m$			Mag. corr.....	+0.027	
8 Br.	+0.11	+1.2	$\alpha = 14^h 11^m$			$\delta = +51^\circ 49'$			B. D. -11° 3711		
11 M.	+0.08	0.0	$\delta = -18^\circ 7'$			1905			$\alpha = 14^h 13^m$		
14 M.	+0.05	+0.6	1904			Jan. 16 Br.	37.35	43.4 E.	$\delta = -11^\circ 36'$		
Mar. 3 M.	+0.10	+1.0 W.	May 11 Ei.Y.	31.92	17.0 W.	Feb. 9 Br.	37.38	43.2	1904		
1905			12 Ei.Y.	31.91	17.4 W.	Mar. 10 M.	37.34	43.4 E.	May 11 Ei.Y.	26.29	4.2 W.
Jan. 12 Br.	+0.01	-0.1 E.	1905			1906			12 Ei.Y.	26.20	4.1 W.
1906			May 22 Ei.Y.	31.98	17.2 E.	Jan. 18 Br.	37.37	44.0 W.	1905		
Jan. 24 Hl.	+0.06	+0.9 W.	1906			28 Bs.	37.40	42.7	May 22 Ei.Y.	26.32	4.5 E.
1907			Apr. 2 Ei.Y.	31.95	16.2 W.	31 Hl.	37.41	43.3	1906		
May 21 Hl.	+0.06	+0.4 E.	Mean.....	31.940	16.95	Feb. 19 Br.	37.41	43.0	Apr. 7 Ei.Y.	26.24	4.7 W.
June 3 M.	+0.01	+0.6	Mag. corr.....	+0.019		Mar. 31 Bs.	37.39	43.1 W.	10 Ei.Y.	26.23	4.9 W.
5 M.	+0.02	+0.6	B. D. +37° 2511			1907			Mean.....	26.256	4.48
6 P.	+0.01	+0.6	$\alpha = 14^h 11^m$			June 8 P.	37.28	43.1 E.	Mag. corr.....	+0.001	
15 P.	+0.04	+0.7	$\delta = +37^\circ 30'$			1908			λ Virginis		
1908			1905			Feb. 26 M.	37.32	43.4 E.	$\alpha = 14^h 13^m$		
Mar. 2 Hl.	+0.06	...	June 5 Ei.Y.	35.78	36.8 E.	Mean.....	37.365	43.26	$\delta = -12^\circ 54'$		
9 Hl.	+0.05	...	8 Ei.Y.	35.82	36.3 E.	Mag. corr.....	+0.003		38'' 86		
10 P.	+0.04	...	1906			B. D. -14° 3918			1904		
17 P.	+0.02	...	May 21 Ei.Y.	35.85	36.9 W.	$\alpha = 14^h 12^m$			Feb. 24 Br.	+0.05	... W.
Apr. 21 P.	+0.09	+0.4 E.	29 Ei.Y.	35.81	37.2 W.	$\delta = -14^\circ 26'$			Apr. 16 Ei.Y.	+0.04	+2.1
May 1 P.	+0.08	+1.2 W.	Mean.....	35.815	36.80	1904			20 Ei.Y.	+0.04	+0.7
17 P.	+0.04	...	Mag. corr.....	-0.002		May 4 Ei.Y.	39.04	53.7 W.	June 11 M.	0.00	+1.1
27 Fk.	+0.02	+1.1	B. D. -19° 3846			5 Ei.Y.	39.05	53.9 W.	14 Br.	+0.07	+1.0
June 1 Fk.	0.00	...	$\alpha = 14^h 11^m$			1905			15 M.	+0.02	+0.6
9 P.	+0.05	+0.6	$\delta = -19^\circ 29'$			Apr. 19 Ei.M.	39.05	54.5 E.	18 M.	-0.04	0.0 W.
1909			1904			Mar. 20 Ei.Y.	39.06	54.8 W.	1905		
Feb. 13 M.	+0.04	+0.9	Apr. 18 Ei.Y.	54.25	57.5 W.	Mean.....	39.050	54.22	Apr. 14 Ei.Y.	+0.04	+1.1 E.
Apr. 5 P.	+0.03	+0.7 W.	May 24 Ei.Y.	54.36	58.4 W.	Mag. corr.....	-0.001		19 Ei.M.	+0.01	+0.7
June 12 M.	+0.06	+0.2 E.	1905			B. D. -14° 3918			24 Ei.Y.	+0.04	+0.8
16 L.	+0.03	+1.0	May 19 Ei.Y.	54.33	58.4 E.	$\alpha = 14^h 12^m$			May 19 Ei.Y.	+0.02	+0.7
18 L.	+0.07	+0.3	1906			$\delta = -14^\circ 26'$			24 Ei.Y.	+0.04	+1.2
19 M.	+0.05	+0.1	1904			1905			June 1 Ei.Y.	+0.08	+1.1
21 L.	....	+0.5	Apr. 18 Ei.Y.	54.25	57.5 W.	May 4 Ei.Y.	39.04	53.7 W.	17 Hl.	+0.08	+0.5 E.
23 L.	+0.04	0.0	May 24 Ei.Y.	54.36	58.4 W.	5 Ei.Y.	39.05	53.9 W.			
24 M.	+0.05	+0.2	1905			1906					
25 L.	....	[+0.4]	May 19 Ei.Y.	54.33	58.4 E.	Mean.....	39.050	54.22			
26 M.	....	[+0.3]	1906			Mag. corr.....	-0.001				
30 L.	[+0.05]	[+0.5]	1904								
July 1 M.	....	[-0.2]	Apr. 18 Ei.Y.	54.25	57.5 W.						
2 P.	[+0.07]	[+0.1] E.	May 24 Ei.Y.	54.36	58.4 W.						

1906			B. D. -16° 3843			B. D. -7° 3834 (south)			B. D. -12° 4037		
Jan. 29 Br.	+0.06	+0.4 W.	$\alpha = 14^h 14^m$			$\alpha = 14^h 17^m$			$\alpha = 14^h 18^m$		
Feb. 23 Hl.	0.00	+0.2	$\delta = -17^\circ 4'$			$\delta = -7^\circ 18'$			$\delta = -12^\circ 29'$		
Apr. 17 Ei.Y.	+0.06	0.0 W.	1904			1905			1904		
May 14 Hl.	+0.06	+0.4 E.	May 4 Ei.Y.	57.17	6.5 W.	Apr. 8 Ei.Y.	21.23	34.9 E.	Apr. 5 Ei.Y.	24.30	10.6 W.
20 M.	+0.12	+0.4	5 Ei.Y.	57.15	7.3 W.	1906			14 Ei.Y.	24.31	11.4 W.
27 Ei.P.	+0.12	+1.4	1905			Apr. 2 Ei.Y.	21.20	35.2 W.	1905		
28 M.	+0.12	+0.7	May 24 Ei.Y.	57.16	6.7 E.	1907			Apr. 22 Ei.M.	24.27	11.4 E.
June 3 M.	+0.12	+0.6	1906			May 27 Ei.P.	21.20	35.1 E.	1906		
5 M.	+0.07	+0.7	Mar. 20 Ei.Y.	57.17	7.7 W.	Mean.....	21.210	35.07	Apr. 24 Ei.Y.	24.34	11.2 W.
1908			Mean.....	57.162	7.05	Mag. corr.....	+0.005		Mean.....	24.305	11.15
Feb. 8 P.	+0.05	-0.1	Mag. corr.....	+0.003		B. D. +36° 2478			Mag. corr.....	-0.001	
20 Hl.	+0.04	...	B. D. +38° 2544			B. D. +36° 2478			B. D. -15° 3862		
Mar. 2 Hl.	+0.05	+0.8	$\alpha = 14^h 15^m$			$\alpha = 14^h 18^m$			$\alpha = 14^h 18^m$		
3 P.	+0.10	-0.3	$\delta = +38^\circ 4'$			$\delta = +36^\circ 6'$			$\delta = -15^\circ 38'$		
4 M.	+0.06	-0.2	1905			1905			1904		
9 Hl.	+0.08	+1.1	June 5 Ei.Y.	18.84	14.2 E.	June 5 Ei.Y.	1.79	14.8 E.	Apr. 21 Ei.Y.	28.60	50.1 W.
10 P.	+0.16	+0.3	8 Ei.Y.	18.81	13.3 E.	8 Ei.Y.	1.76	13.8 E.	May 5 Ei.Y.	28.64	49.7 W.
21 Fk.	+0.08	+0.1	1906			1906			1905		
Apr. 4 P.	+0.10	+0.6	May 21 Ei.Y.	18.81	14.2 W.	May 21 Ei.Y.	1.76	15.2 W.	May 24 Ei.Y.	28.62	49.1 E.
21 P.	+0.12	+0.4 E.	29 Ei.Y.	18.84	14.2 W.	29 Ei.Y.	1.77	15.0 W.	1906		
May 1 P.	+0.06	+1.5 W.	Mean.....	18.825	13.98	Mean.....	1.770	14.70	Mar. 20 Ei.Y.	28.65	49.7 W.
2 Fk.	+0.03	+0.8	Mag. corr.....	-0.001		Mag. corr.....	-0.002		Mean.....	28.628	49.65
10 P.	+0.09	+0.1	B. D. -9° 3915			2 Libræ			Mag. corr.....	+0.015	
11 M.	+0.03	-0.2	$\alpha = 14^h 16^m$			$\alpha = 14^h 18^m$			3 G. Libræ		
12 P.	+0.10	-0.2	$\delta = -9^\circ 54'$			$\delta = -11^\circ 15'$			$\alpha = 14^h 19^m$		
23 M.	+0.04	-0.3	1904			$\delta = -24^\circ 21'$			1905		
25 M.	+0.03	0.0	Apr. 21 Ei.Y.	12.09	45.9 W.	1904			Jan. 19 Br.	6.21	9.0 E.
28 M.	+0.02	+0.5	May 4 Ei.Y.	12.07	44.6 W.	May 11 Ei.Y.	2.69	25.8 W.	Feb. 6 Br.	6.20	8.1
June 8 M.	+0.04	+0.5	1905			12 Ei.Y.	2.72	25.8	9 Br.	6.29	9.7
9 P.	+0.04	-0.1	Apr. 20 Ei.Y.	11.99	45.5 E.	13 Br.	2.66	25.8	17 M.	6.09	6.2
12 P.	+0.11	+1.4	1906			June 11 M.	2.68	25.8	Mar. 10 M.	6.19	8.1
1909			Apr. 16 Ei.Y.	12.05	45.5 W.	14 Br.	2.67	25.4	25 Br.	6.19	8.5
Jan. 20 M.	+0.04	+0.1	Mean.....	12.050	45.38	15 M.	2.68	25.6	31 M.	6.25	9.0 E.
26 P.	+0.09	+0.2	Mag. corr.....	+0.007		18 M.	2.64	26.6 W.	1906		
Feb. 1 P.	+0.06	+1.2	B. D. -8° 3761			1905			Jan. 29 Br.	6.22	8.5 W.
Apr. 5 P.	+0.06	+0.3 W.	$\alpha = 14^h 16^m$			May 22 Ei.Y.	2.71	25.9 E.	1908		
May 30 P.	+0.07	0.0 E.	$\delta = -8^\circ 12'$			1906			May 10 P.	6.19	8.2
31 L.	+0.03	+0.8	1904			Apr. 10 Ei.Y.	2.62	25.8 W.	11 M.	6.24	8.9
June 28 L.	....	[+0.4]	May 7 Ei.Y.	28.31	55.1 W.	1907			12 P.	6.23	9.4
1910			27 Ei.Y.	28.31	54.6 W.	Apr. 29 M.	2.73	26.4 E.	17 P.	6.20	9.6 W.
Jan. 30 M.	0.00	+0.6	1905			May 21 Hl.	2.75	26.8	Mean.....	6.208	8.60
Feb. 1 P.	+0.04	-0.2	June 1 Ei.Y.	28.34	55.4 E.	28 M.	2.67	26.1	Mag. corr.....	-0.002	
1911			Apr. 19 Ei.Y.	28.27	55.5 W.	June 3 M.	2.72	26.6	B. D. -11° 3736		
Jan. 15 M.	+0.08	+1.3 E.	Mean.....	28.308	55.15	6 P.	2.66	25.8	$\alpha = 14^h 19^m$		
Mean.....	+0.059	+0.54	Mag. corr.....	-0.013		8 P.	2.66	26.8	$\delta = -11^\circ 12'$		
Mag. corr.....	+0.004		B. D. -7° 3834 (north)			1909			1904		
B. D. +38° 2541			$\alpha = 14^h 17^m$			May 30 P.	2.71	27.2	Apr. 16 Ei.Y.	18.24	54.8 W.
$\alpha = 14^h 13^m$			$\delta = -7^\circ 18'$			June 26 M.	....	[27.0]	20 Ei.Y.	18.23	56.2 W.
$\delta = +38^\circ 7'$			1905			28 L.	....	[26.6]	1905		
1905			Apr. 8 Ei.Y.	21.11	29.0 E.	1910			Apr. 20 Ei.Y.	18.23	55.3 E.
June 5 Ei.Y.	49.95	11.2 E.	Apr. 2 Ei.Y.	21.13	29.4 W.	Mar. 13 M.	2.71	26.0	1906		
8 Ei.Y.	50.05	10.8 E.	May 27 Ei.P.	21.13	29.0 E.	27 M.	2.69	26.7 E.	Apr. 16 Ei.Y.	18.28	56.1 W.
1906			Mean.....	21.123	29.13	Mean.....	2.687	26.16	Mean.....	18.245	55.60
May 21 Ei.Y.	50.04	12.1 W.	Mag. corr.....	+0.005		Mag. corr.....	+0.015		Mag. corr.....	+0.017	
29 Ei.Y.	50.02	12.0 W.	B. D. -6° 3972			B. D. -14° 3944			B. D. +39° 2760		
Mean.....	50.015	11.52	$\alpha = 14^h 14^m$			$\alpha = 14^h 18^m$			$\alpha = 14^h 19^m$		
Mag. corr.....	0.000		$\delta = -6^\circ 17'$			$\delta = -14^\circ 30'$			$\delta = +39^\circ 47'$		
B. D. -7° 3834 (mean)			1904			1904			1905		
$\alpha = 14^h 17^m$			Apr. 5 Ei.Y.	37.88	7.9 W.	Apr. 18 Ei.Y.	24.29	12.8 W.	June 5 Ei.Y.	27.75	8.7 E.
$\delta = -7^\circ 18'$			14 Ei.Y.	37.86	7.5 W.	May 24 Ei.Y.	24.28	13.3 W.	8 Ei.Y.	27.72	8.1 E.
1905			1905			1905			1906		
Apr. 22 Ei.M.	37.86	7.8 E.	May 19 Ei.Y.	24.28	13.0 E.	May 19 Ei.Y.	24.28	13.0 E.	May 21 Ei.Y.	27.72	8.9 W.
1906			1906			Apr. 17 Ei.Y.	24.32	13.4 W.	29 Ei.Y.	27.74	8.6 W.
Apr. 24 Ei.Y.	37.82	7.9 W.	Mean.....	21.105	31.95	Mean.....	24.292	13.12	Mean.....	27.732	8.58
Mean.....	37.855	7.78	Mag. corr.....	+0.014		Mag. corr.....	-0.013		Mag. corr.....	+0.009	
Mag. corr.....	+0.016		B. D. -7° 3834 (mean)			B. D. -14° 3944			B. D. +39° 2760		

B. D. -12° 4042 $\alpha = 14^h 19^m$ $\delta = -12^\circ 54'$				1907 May 28 M. -0.09 +0.4 E. June 5 M. -0.04 +0.7				1905 Apr. 22 Ei.M. 54.59 15.1 E.				B. D. -9° 3945 $\alpha = 14^h 23^m$ $\delta = -9^\circ 33'$			
1904 May 7 Ei.Y. 52.45 1.9 W. 27 Ei.Y. 52.45 1.9 W.				1908 Mar. 3 P. +0.02 +0.3 4 M. 0.00 +0.7 E.				1906 Apr. 24 Ei.Y. 54.56 14.8 W.				1904 May 7 Ei.Y. 11.33 20.8 W. 27 Ei.Y. 11.29 20.6 W.			
1905 June 1 Ei.Y. 52.49 2.4 E.				Mean..... -0.034 +0.29 Mag. corr..... +0.011				Mean..... 54.605 14.92 Mag. corr..... +0.008				1905 June 1 Ei.Y. 11.30 20.7 E.			
1906 Apr. 19 Ei.Y. 52.41 1.8 W.				f Boötis $\alpha = 14^h 21^m 48^\circ 232$ $\delta = +19^\circ 40' 35'' 24$				52 Hydrae $\alpha = 14^h 22^m$ $\delta = -29^\circ 2'$				1906 Apr. 19 Ei.Y. 11.25 20.5 W.			
Mean..... 52.450 2.00 Mag. corr..... +0.016				1904 Jan. 15 Br. +0.07 +0.8 W. 27 Br. +0.03 +1.0 Feb. 3 Br. +0.04 +1.9 June 11 M. +0.03 +0.4 14 Br. -0.01 +1.0 15 M. +0.01 +0.5 18 M. -0.02 +0.2 W.				1907 Apr. 29 M. 18.92 31.9 E. June 3 M. 18.93 30.9 8 P. 18.92 31.8				Mean..... 11.292 20.65 Mag. corr..... +0.015			
B. D. -19° 3879 (pr.) $\alpha = 14^h 19^m$ $\delta = -19^\circ 30'$				1905 June 2 Br. +0.01 +0.4 E. 16 Br. +0.02 +0.9 19 Br. -0.02 +0.4 E.				1908 Apr. 3 P. 18.89 31.4 4 P. 18.94 32.2 21 P. 18.97 31.7 E.				B. D. -6° 4009 $\alpha = 14^h 23^m$ $\delta = -6^\circ 27'$			
1905 Apr. 8 Ei.Y. 52.50 46.1 E. Mag. corr..... +0.01				1906 Jan. 18 Br. +0.02 +1.0 W. 24 Hl. +0.06 +0.5 31 Hl. +0.03 +0.5 Feb. 16 Hl. +0.02 +0.6 19 Br. +0.01 +0.7 Apr. 7 Ei.Y. -0.02 +0.2 W.				May 28 M. 18.91 31.8 W. June 1 Fk. 18.92 2 P. 18.93 31.8 4 M. 18.92 31.6 5 P. 18.91 31.6 W.				1904 May 4 Ei.Y. 25.21 4.4 W. 5 Ei.Y. 25.20 4.6 W.			
B. D. -19° 3880 $\alpha = 14^h 19^m$ $\delta = -19^\circ 31'$				1907 May 21 Hl. -0.02 +0.3 E. 27 Ei.P. +0.08 +0.3 June 6 P. 0.00 (+2.5) 15 P. -0.01				Mean..... 18.924 31.67 Mag. corr..... 0.000				1905 Apr. 8 Ei.Y. 25.18 4.6 E.			
1904 May 4 Ei.Y. 54.73 0.8 W. 5 Ei.Y. 54.76 1.5				1908 Apr. 22 Fk. +0.02 -0.3 E. May 17 P. -0.08 +0.1 W. 20 Fk. +0.07 +0.2 June 6 Fk. +0.01 7 P. -0.01 +0.5 8 M. 0.00 +1.0 12 P. +0.06 +1.2				B. D. -12° 4055 $\alpha = 14^h 22^m$ $\delta = -12^\circ 54'$				1906 Apr. 2 Ei.Y. 25.20 4.4 W.			
1906 Apr. 2 Ei.Y. 54.65 0.8 W.				1909 Feb. 1 P. +0.03 +0.3 Apr. 5 P. 0.00 +0.3 W. June 12 M. -0.01 -0.1 E. 16 L. 0.00 +0.4 18 L. +0.01 +0.3 19 M. -0.01 -0.1 23 L. -0.02 -0.3 24 M. -0.01 0.0 25 L. [+0.2] 26 M. [+0.1] 29 M. [+0.07] [-0.4] 30 L. [+0.01] [+0.6] July 1 M. [-0.4] 2 P. [+0.04] [+0.5]				1904 Apr. 16 Ei.Y. 19.86 33.3 W. 20 Ei.Y. 19.90 34.3 W.				Mean..... 25.193 4.50 Mag. corr..... -0.007			
Mean..... 54.713 1.03 Mag. corr..... +0.019				B. D. -18° 3821 $\alpha = 14^h 21^m$ $\delta = -18^\circ 22'$				1905 May 24 Ei.Y. 19.89 34.2 E.				B. D. +36° 2493 $\alpha = 14^h 23^m$ $\delta = +36^\circ 1'$			
1904 May 11 Ei.Y. 2.20 8.9 W. 12 Ei.Y. 2.20 9.2 W.				1906 Mar. 20 Ei.Y. 19.89 35.0 W.				Mean..... 19.885 34.20 Mag. corr..... +0.015				1905 June 5 Ei.Y. 47.66 37.6 E. 8 Ei.Y. 47.55 38.0 E.			
1905 May 22 Ei.Y. 2.30 8.9 E.				B. D. -8° 3781 $\alpha = 14^h 22^m$ $\delta = -8^\circ 18'$				1904 Apr. 21 Ei.Y. 50.93 30.7 W. May 24 Ei.Y. 50.96 30.2 W.				1906 May 21 Ei.Y. 47.59 38.6 W. 29 Ei.Y. 47.64 38.9 W.			
1906 Apr. 10 Ei.Y. 2.19 9.3 W.				1907 Apr. 21 Ei.Y. 50.93 30.7 W. May 24 Ei.Y. 50.96 30.2 W.				Mean..... 19.885 34.20 Mag. corr..... +0.015				Mean..... 47.610 38.28 Mag. corr..... +0.006			
Mean..... 2.222 9.08 Mag. corr..... -0.008				B. D. -16° 3867 $\alpha = 14^h 21^m$ $\delta = -17^\circ 12'$				B. D. -14° 3968 $\alpha = 14^h 24^m$ $\delta = -14^\circ 48'$				1904 May 11 Ei.Y. 45.47 16.1 W. 12 Ei.Y. 45.30 16.3 W.			
1904 Apr. 18 Ei.Y. 26.66 5.5 W. May 24 Ei.Y. 26.65 5.7 W.				1908 Apr. 21 Ei.Y. 50.96 31.1 E. 1906 Apr. 16 Ei.Y. 50.94 30.4 W.				1905 May 22 Ei.Y. 45.48 16.0 E.				1906 Apr. 10 Ei.Y. 45.40 16.5 W.			
1905 May 19 Ei.Y. 26.72 5.4 E.				Mean..... 50.948 30.60 Mag. corr..... -0.010				Mean..... 45.412 16.22 Mag. corr..... +0.010				B. D. -21° 3917 $\alpha = 14^h 25^m$ $\delta = -22^\circ 0'$			
1906 Apr. 17 Ei.Y. 26.71 6.2 W.				1909 Jan. 16 Br. 2.88 46.7 E. Feb. 9 Br. 2.95 46.9 Mar. 10 M. 2.89 46.8 E.				1904 Apr. 18 Ei.Y. 0.39 56.1 W. May 24 Ei.Y. 0.34 56.5 W.				1905 May 19 Ei.Y. 0.41 56.5 E.			
Mean..... 26.685 5.70 Mag. corr..... -0.006				1907 Jan. 29 Br. 2.89 47.2 W. Feb. 23 Hl. 2.95 46.9 W.				1906 Apr. 17 Ei.Y. 0.32 57.1 W.				Mean..... 0.365 56.55 Mag. corr..... +0.013			
B. D. -14° 3959 $\alpha = 14^h 21^m$ $\delta = -14^\circ 23'$				1908 Mar. 10 P. 2.90 46.1 E. 21 Fk. 2.91 47.0 E. May 2 Fk. 2.91 46.3 W. 10 P. 2.92 45.9 11 M. 2.91 46.8 W.				g Boötis $\alpha = 14^h 25^m$ $\delta = +50^\circ 17'$				1904 May 13 Br. 9.00 32.4 W.			
1904 Jan. 20 Br. +0.1 W. 24 M. -0.11 +0.4 Feb. 8 Br. -0.02 +0.1 22 Br. -0.01 +0.1 24 Br. -0.06 -0.1 Mar. 3 M. -0.04 +0.3 9 M. +0.01 +0.4 May 1 M. -0.03 -0.3 W.				Mean..... +0.013 +0.52 Mag. corr..... -0.002 [+0.10]				1905 May 30 P. 2.89 46.6 E. 31 L. 2.84 46.2 E.							
B. D. -14° 3959 $\alpha = 14^h 21^m$ $\delta = -14^\circ 23'$				1906 Apr. 5 Ei.Y. 54.63 14.8 W. 14 Ei.Y. 54.64 15.0 W.				Mean..... 2.903 46.62 Mag. corr..... +0.001							

1905

s

"

Jan. 19 Br.

8.94

32.8 E.

Feb. 6 Br.

8.98

31.7

17 M.

8.86

32.7

Mar. 25 Br.

8.94

32.7

31 M.

8.98

32.4 E.

1906

Feb. 22 Bs.

8.90

32.1 W.

Mar. 31 Bs.

8.94

32.4

1908

May 12 P.

8.77

32.4

June 6 Fk.

8.86

32.5 W.

Mean.....

8.917

32.41

Mag. corr.....

-0.006

B. D. -20° 4043

$\alpha = 14^h 25^m$

$\delta = -20^\circ 16'$

1904

s

"

Apr. 5 Ei.Y.

14.34

22.6 W.

14 Ei.Y.

14.30

22.5 W.

1905

Apr. 22 Ei.M.

14.29

22.8 E.

1906

Apr. 24 Ei.Y.

14.30

22.7 W.

Mean.....

14.308

22.65

Mag. corr.....

+0.010

204 B. Boötis

$\alpha = 14^h 25^m$

$\delta = +42^\circ 14'$

1904

s

"

June 15 M.

40.37

48.6 W.

18 M.

40.41

49.7

1906

Jan. 28 Bs.

40.46

48.4

Feb. 16 Hl.

40.39

49.3

19 Br.

40.47

48.7 W.

1907

May 27 P.

40.45

48.5 E.

June 5 M.

40.41

48.8

15 P.

40.41

48.1

1908

Feb. 8 P.

40.49

47.8

21 P.

40.57

48.5 E.

Mean.....

40.443

48.64

Mag. corr.....

-0.009

B. D. +39° 2773

$\alpha = 14^h 25^m$

$\delta = +39^\circ 18'$

1905

s

"

June 5 Ei.Y.

43.10

24.5 E.

8 Ei.Y.

43.09

24.1 E.

1906

May 21 Ei.Y.

43.01

25.0 W.

29 Ei.Y.

43.02

24.6 W.

Mean.....

43.055

24.55

Mag. corr.....

+0.003

B. D. -11° 3753

$\alpha = 14^h 25^m$

$\delta = -11^\circ 25'$

1904

s

"

Apr. 16 Ei.Y.

54.74

31.8 W.

20 Ei.Y.

54.82

32.9 W.

1905

May 24 Ei.Y.

54.79

32.3 E.

1906

Mar. 20 Ei.Y.

54.80

33.9 W.

Mean.....

54.788

32.72

Mag. corr.....

-0.006

B. D. -12° 4074

$\alpha = 14^h 26^m$

$\delta = -12^\circ 44'$

1904

s

"

Apr. 21 Ei.Y.

21.12

55.8 W.

May 28 Ei.Y.

21.13

55.5 W.

1905

Apr. 20 Ei.Y.

21.09

56.1 E.

1906

Apr. 16 Ei.Y.

21.08

55.7 W.

Mean.....

21.105

55.78

Mag. corr.....

+0.001

B. D. -15° 3892

$\alpha = 14^h 26^m$

$\delta = -15^\circ 55'$

1904

s

"

May 7 Ei.Y.

26.58

8.2 W.

27 Ei.Y.

26.59

8.2 W.

1905

June 1 Ei.Y.

26.61

7.9 E.

1906

Apr. 19 Ei.Y.

26.58

8.5 W.

Mean.....

26.590

8.20

Mag. corr.....

+0.002

B. D. -17° 4110

$\alpha = 14^h 26^m$

$\delta = -17^\circ 26'$

1904

s

"

May 4 Ei.Y.

48.79

18.7 W.

5 Ei.Y.

48.80

18.7 W.

1905

Apr. 8 Ei.Y.

48.83

18.6 E.

1906

Apr. 10 Ei.Y.

48.78

19.0 W.

Mean.....

48.800

18.75

Mag. corr.....

-0.001

B. D. -10° 3920

$\alpha = 14^h 26^m$

$\delta = -10^\circ 29'$

1904

s

"

May 11 Ei.Y.

49.30

34.5 W.

12 Ei.Y.

49.23

34.8 W.

1905

May 22 Ei.Y.

49.39

34.9 E.

1906

Apr. 2 Ei.Y.

49.34

34.4 W.

Mean.....

49.315

34.65

Mag. corr.....

-0.003

B. D. -9° 3962

$\alpha = 14^h 27^m$

$\delta = -9^\circ 18'$

1904

s

"

Apr. 18 Ei.Y.

13.61

56.8 W.

May 24 Ei.Y.

13.63

57.3 W.

1905

May 19 Ei.Y.

13.62

57.0 E.

1906

Apr. 17 Ei.Y.

13.62

56.9 W.

Mean.....

13.620

57.00

Mag. corr.....

-0.003

ρ Boötis

$\alpha = 14^h 27^m 31^s.179$

$\delta = +30^\circ 48' 37''.96$

1904

s

"

Feb. 14 M.

+0.01

-0.2 W.

May 1 M.

+0.01

-0.1 W.

1907

s

"

May 21 Hl.

-0.04

+0.2 E.

28 M.

+0.02

+0.9

June 8 P.

-0.08

+0.4

1908

Feb. 24 Hl.

-0.04

0.0

26 M.

-0.02

+0.1 E.

May 27 Fk.

-0.02

+1.0 W.

28 M.

-0.04

+0.5

June 1 Fk.

-0.06

... W.

1909

June 23 L.

0.00

-0.2 E.

24 M.

-0.04

-0.5

25 L.

...

+1.2

26 M.

...

[-0.7]

29 M.

[+0.03]

[-0.6]

30 L.

[-0.03]

[+0.3]

July 1 M.

...

[-0.6]

2 P.

[+0.03]

[+0.2]

3 L.

[+0.06]

[+0.3]

1910

June 14 M.

-0.03

-0.1 E.

Mean.....

-0.025

+0.25

Mag. corr.....

-0.005

5 Ursae Minoris

$\alpha = 14^h 27^m 43^s.887$

$\delta = +76^\circ 8' 26''.32$

1904

s

"

Jan. 13 Br.

+0.09

-0.4 W.

24 M.

-0.14

-0.1

27 Br.

+0.02

-0.9

Feb. 8 Br.

+0.11

-0.7

22 Br.

+0.04

+0.6

24 Br.

-0.06

+0.4

Mar. 3 M.

0.00

+0.3 W.

1907

Apr. 29 M.

-0.16

+0.3 E.

1908

Mar. 3 P.

0.00

-0.2

4 M.

+0.01

-0.1

9 Hl.

+0.12

-0.2

Apr. 4 P.

-0.06

+0.2 E.

Mean.....

-0.002

-0.07

Mag. corr.....

+0.006

5 Ursae Minoris s. p.

$\alpha = 14^h 27^m 43^s.888$

$\delta = +76^\circ 8' 26''.33$

1904

s

"

Dec. 8 Br.

-0.33

+0.4 E.

18 Br.

-0.01

-0.6

29 Br.

+0.04

+0.5 E.

1905

Sept. 15 Bs.

0.00

-0.4 W.

Oct. 12 Br.

+0.42

+0.1

Dec. 12 Br.

-0.08

0.0

27 Br.

+0.08

0.0

1906

Jan. 5 Br.

-0.01

-0.1 W.

1907

Aug. 24 P.

-0.28

+0.4 E.

Sept. 6 M.

-0.21

-1.0 E.

Mean.....

-0.038

-0.07

Mag. corr.....

+0.007

γ Boötis

$\alpha = 14^h 28^m 3^s.034$

$\delta = +38^\circ 44' 45''.38$

1906

s

"

Jan. 29 Br.

+0.05

0.0 W.

Feb. 23 Hl.

0.00

-0.1 W.

1907

June 3 M.

+0.02

+0.3 E.

1908

s

"

Mar. 10 P.

-0.06

+1.1 E.

21 Fk.

-0.02

+0.4

Apr. 3 P.

+0.05

+0.5

21 P.

+0.09

+0.2 E.

May 2 Fk.

-0.06

+0.4 W.

10 P.

-0.10

+0.9

11 M.

-0.05

+0.4 W.

Mean.....

-0.008

+0.41

Mag. corr.....

0.000

B. D. -18° 3853

$\alpha = 14^h 28^m$

$\delta = -19^\circ 4'$

1904

s

"

Apr. 5 Ei.Y.

33.63

45.5 W.

14 Ei.Y.

33.56

45.4 W.

1905

Apr. 22 Ei.M.

33.59

45.0 E.

1906

Apr. 24 Ei.Y.

33.57

45.2 W.

Mean.....

33.588

45.28

Mag. corr.....

-0.001

56 B. Draconis

$\alpha = 14^h 28^m$

$\delta = +60^\circ 39'$

1905

s

"

Feb. 9 Br.

59.90

58.5 E.

24 M.

59.87

58.6

Mar. 10 M.

59.74

58.5 E.

1906

Jan. 24 Hl.

59.84

... W.

28 Bs.

59.87

58.8

31 Hl.

59.85

59.1

Mar. 31 Bs.

59.86

58.5 W.

1908

Feb. 8 P.

59.81

58.0 E.

20 Hl.

59.67

58.5 E.

May 17 P.

59.77

58.5 W.

June 5 P.

59.86

59.2 W.

Mean.....

59.822

58.62

Mag. corr.....

+0.010

B. D. -19° 3903

$\alpha = 14^h 29^m$

$\delta = -20^\circ 0'$

1904

s

"

Apr. 16 Ei.Y.

12.96

1.0 W.

20 Ei.Y.

12.98

1.6 W.

1905

May 24 Ei.Y.

12.94

1.2 E.

1906

Mar. 20 Ei.Y.

12.99

1.0 W.

Mean.....

12.968

1.20

Mag. corr.....

+0.017

B. D. +36° 2506

$\alpha = 14^h 29^m$

$\delta = +36^\circ 29'$

1905

s

"

June 5 Ei.Y.

34.38

27.3 E.

8 Ei.Y.

34.43

27.1 E.

1906

May 21 Ei.Y.

34.46

27.9 W.

29 Ei.Y.

34.46

27.7 W.

Mean.....

34.432

27.50

Mag. corr.....

-0.007

σ Boötis $\alpha = 14^h 30^m$ $\delta = +30^\circ 10'$			6 B. Libræ $\alpha = 14^h 31^m$ $\delta = -11^\circ 52'$			1906 Mar. 20 Ei.Y. 36.78 11.0 W. Mean..... 36.760 10.38 Mag. corr..... +0.003			B. D. -19° 3939 $\alpha = 14^h 35^m$ $\delta = -19^\circ 29'$		
1904 Mar. 4 R. 19.72 46.6 W. June 15 M. 19.69 46.9 18 M. 19.62 46.8 W.			1904 May 1 M. 40.23 46.5 W. 11 Ei.Y. 40.27 45.9 12 Ei.Y. 40.27 47.5 13 Br. 40.26 47.1 26 Ei. 40.21 47.1 W.			B. D. -13° 3944 $\alpha = 14^h 35^m$ $\delta = -13^\circ 36'$			1904 May 11 Ei.Y. 47.64 54.2 W. 12 Ei.Y. 47.65 54.9 W.		
1905 Jan. 19 Br. 19.66 47.5 E. Feb. 6 Br. 19.67 46.3 17 M. 19.62 47.7 Mar. 25 Br. 19.67 47.1 31 M. 19.65 47.0 E.			1905 May 22 Ei.Y. 40.29 46.4 E. 1906 Apr. 10 Ei.Y. 40.18 46.4 W.			1904 Apr. 21 Ei.Y. 3.88 59.9 W. May 28 Ei.Y. 3.89 58.8 W.			1905 May 22 Ei.Y. 47.67 54.9 E.		
1906 Feb. 19 Br. 19.67 46.8 W. 22 Bs. 19.65 47.5 W.			1907 Apr. 29 M. 40.13 45.9 E. May 27 P. 40.07 45.1 June 8 P. 40.12 46.4 20 P. 40.11 46.8			1906 Apr. 16 Ei.Y. 3.85 59.2 W.			Mean..... 47.655 54.75 Mag. corr..... +0.009		
Mean..... 19.662 47.02 Mag. corr..... +0.006			1908 Feb. 21 P. 40.06 46.7 E. May 27 Fk. 40.01 45.6 W. 28 M. 39.98 45.6 W.			Mean..... 3.860 59.25 Mag. corr..... +0.009			B. D. +38° 2578 $\alpha = 14^h 35^m$ $\delta = +38^\circ 32'$		
B. D. -21° 3933 $\alpha = 14^h 30^m$ $\delta = -21^\circ 44'$			Mean..... 40.156 46.36 Mag. corr..... +0.016			33 Boötis $\alpha = 14^h 35^m 6^s.955$ $\delta = +44^\circ 50' 9''.40$			1905 June 5 Ei.Y. 59.64 23.7 E. 8 Ei.Y. 59.61 23.4 E.		
1904 Apr. 21 Ei.Y. 27.20 25.7 W. May 11 Ei.Y. 27.23 26.1 W.			B. D. -9° 3975 $\alpha = 14^h 33^m$ $\delta = -10^\circ 7'$			1904 Jan. 13 Br. [-0.08] [+0.9] W. 24 M. -0.07 +0.9			1906 May 21 Ei.Y. 59.58 24.3 W. 29 Ei.Y. 59.62 24.4 W.		
1905 Apr. 20 Ei.Y. 27.21 26.5 E.			1904 Apr. 18 Ei.Y. 37.81 21.8 W. 24 Ei.Y. 37.84 22.0 W.			Feb. 8 Br. -0.02 +0.6 11 M. +0.01 +0.5 14 M. -0.03 +0.2 22 Br. -0.06 +1.0 24 Br. -0.02 +1.5			Mean..... 59.612 23.95 Mag. corr..... +0.003		
1906 Apr. 16 Ei.Y. 27.21 25.6 W.			1905 May 19 Ei.Y. 37.82 21.8 E.			Mar. 9 M. -0.02 +0.9 W.			π Boötis (pr.) $\alpha = 14^h 36^m$ $\delta = +16^\circ 50'$		
Mean..... 27.212 25.98 Mag. corr..... +0.010			1906 Apr. 17 Ei.Y. 37.77 22.0 W.			1907 May 28 M. +0.05 +1.6 E. June 6 P. -0.05 +1.2 15 P. -0.14 +1.4			1905 June 2 Br. 1.58 49.8 E. 9 Br. 1.57 50.2 15 M. 1.58 50.0 16 Br. 1.58 49.1		
B. D. +38° 2570 $\alpha = 14^h 30^m$ $\delta = +38^\circ 26'$			Mean..... 37.810 21.90 Mag. corr..... +0.014			1908 Feb. 8 P. 0.00 +0.1 20 Hl. -0.06 +0.8 E.			1908 Mar. 4 M. 1.54 49.9 Apr. 3 P. 1.67 49.8 E. May 11 M. 1.58 49.2 W. 17 P. 1.63 49.7 June 6 Fk. 1.62 49.6 7 P. 1.56 49.3 8 M. 1.60 50.1 W.		
1905 June 5 Ei.Y. 28.66 59.4 E. 8 Ei.Y. 28.68 59.6 E.			B. D. -17° 4138 $\alpha = 14^h 33^m$ $\delta = -17^\circ 27'$			Mean..... -0.034 +0.89 Mag. corr..... -0.002			Mean..... 1.592 49.70 Mag. corr..... +0.001		
1906 May 21 Ei.Y. 28.63 60.4 W. 29 Ei.Y. 28.60 60.3 W.			1904 Apr. 5 Ei.Y. 49.24 18.4 W. 14 Ei.Y. 49.22 18.4 W.			B. D. -14° 4006 $\alpha = 14^h 35^m$ $\delta = -14^\circ 53'$			ζ Boötis (mean) $\alpha = 14^h 36^m 22^s.436$ $\delta = +14^\circ 9' 25''.71$		
Mean..... 28.642 59.92 Mag. corr..... +0.001			1905 Apr. 22 Ei.M. 49.22 17.8 E.			1904 May 4 Ei.Y. 24.07 23.5 W. 5 Ei.Y. 24.08 23.9 W.			1907 Apr. 29 M. +0.04 +1.1 E.		
B. D. -7° 3874 $\alpha = 14^h 30^m$ $\delta = -8^\circ 8'$			1906 Apr. 24 Ei.Y. 49.18 18.5 W.			1905 Apr. 8 Ei.Y. 24.02 23.4 E.			1908 Mar. 9 Hl. 0.00 +0.5 10 P. +0.04 +1.2 21 Fk. -0.06 +0.7 Apr. 21 P. +0.03 +0.8 E. May 27 Fk. 0.00 +1.0 W. 28 M. -0.06 +0.7 June 2 P. -0.02 +1.3 4 M. 0.00 +0.7 5 P. +0.04 +1.1 W.		
1904 May 7 Ei.Y. 28.82 16.2 W. 27 Ei.Y. 28.80 15.7 W.			Mean..... 49.215 18.28 Mag. corr..... +0.001			1906 Apr. 2 Ei.Y. 24.09 23.4 W.			Mean..... 24.065 23.55 Mag. corr..... -0.003		
1905 June 1 Ei.Y. 28.86 16.2 E.			B. D. +37° 2557 $\alpha = 14^h 34^m$ $\delta = +37^\circ 9'$			B. D. -21° 3946 $\alpha = 14^h 35^m$ $\delta = -22^\circ 11'$			B. D. -13° 3957 $\alpha = 14^h 36^m$ $\delta = -13^\circ 25'$		
1906 Apr. 19 Ei.Y. 28.85 16.5 W.			1905 June 5 Ei.Y. 12.99 31.5 E. 8 Ei.Y. 12.96 31.4 E.			1904 May 7 Ei.Y. 24.47 20.0 W. 27 Ei.Y. 24.47 19.4 W.			1904 Apr. 18 Ei.Y. 35.10 33.5 W. May 24 Ei.Y. 35.12 33.8 W.		
Mean..... 28.832 16.15 Mag. corr..... +0.010			1906 May 21 Ei.Y. 12.99 32.4 W. 29 Ei.Y. 12.98 32.2 W.			1905 June 1 Ei.Y. 24.49 20.2 E.			1905 May 19 Ei.Y. 35.14 33.8 E.		
B. D. -13° 3931 $\alpha = 14^h 30^m$ $\delta = -13^\circ 35'$			Mean..... 12.980 31.88 Mag. corr..... -0.002			1906 Apr. 19 Ei.Y. 24.47 20.4 W.					
1904 May 4 Ei.Y. 51.74 27.9 W. 5 Ei.Y. 51.79 28.9 W.			B. D. -15° 3922 $\alpha = 14^h 34^m$ $\delta = -15^\circ 46'$			Mean..... 24.475 20.00 Mag. corr..... +0.010					
1905 Apr. 8 Ei.Y. 51.80 28.0 E.			1904 Apr. 16 Ei.Y. 36.77 10.3 W. 20 Ei.Y. 36.78 10.6 W.								
1906 Apr. 2 Ei.Y. 51.77 27.9 W.			1905 May 24 Ei.Y. 36.71 9.6 E.								
Mean..... 51.775 28.18 Mag. corr..... -0.008											

1906			1905			1908			1906		
Apr. 17	Ei.Y.	35.14 34.3 W.	June 3	Ei.Y.	+0.03 +0.3 E.	June 8	M.	1.68 10.9 W.	Apr. 24	Ei.Y.	26.81 16.6 W.
Mean.....		35.125 33.85	19	Br.	-0.01 -0.2 E.	11	M.	1.64 10.6	Mean.....		26.818 16.45
Mag. corr.....		-0.003	1906			16	P.	1.60 11.1	Mag. corr.....		+0.016
B. D. -11° 3789			Jan. 28	Bs.	+0.03 +0.3 W.	17	Fk.	1.67 10.2	Piazz 166		
$\alpha = 14^h 36^m$			31	Hl.	+0.05 +0.8	19	P.	1.66 10.9	$\alpha = 14^h 40^m$		
$\delta = -11^\circ 48'$			Feb. 16	Hl.	-0.03 +0.6	1909			$\delta = -20^\circ 45'$		
1904			19	Br.	-0.02 +0.1	Feb. 1	P.	1.71 11.2 W.	1904		
Apr. 5	Ei.Y.	36.68 25.3 W.	22	Bs.	+0.06 +1.0	Mean.....		1.651 10.75	Apr. 16	Ei.Y.	30.45 6.1 W.
14	Ei.Y.	36.65 25.2 W.	Apr. 2	Ei.Y.	+0.02 +1.4	Mag. corr.....		+0.001	20	Ei.Y.	30.41 6.6 W.
1905			13	Ei.Y.	+0.04 +0.5 W.	B. D. -16° 3934			1905		
Apr. 22	Ei.M.	36.67 25.4 E.	1907			$\alpha = 14^h 40^m$			Feb. 17	M.	30.46 6.4 E.
1906			May 27	Ei.P.	+0.08 +1.4 E.	$\delta = -16^\circ 19'$			Mar. 25	Br.	30.54 7.1
Apr. 24	Ei.Y.	36.67 26.2 W.	June 5	M.	-0.04 +1.5	1904			31	M.	30.45 7.1
Mean.....		36.668 25.52	20	P.	+0.06 +0.1	May 7	Ei.Y.	2.84 16.0 W.	May 24	Ei.Y.	30.44 6.5 E.
Mag. corr.....		+0.010	21	M.	+0.08 +0.9	27	Ei.Y.	2.76 15.1 W.	1906		
B. D. -20° 4074			1908			June 1	Ei.Y.	2.85 15.8 E.	Mar. 20	Ei.Y.	30.48 7.1 W.
$\alpha = 14^h 36^m$			Feb. 26	M.	-0.05 ...	1906			1908		
$\delta = -20^\circ 46'$			Mar. 2	Hl.	-0.02 ...	Apr. 10	Ei.Y.	2.78 16.0 W.	Mar. 3	P.	30.50 7.4 E.
1904			17	P.	+0.02 ... E.	Mean.....		2.808 15.72	9	Hl.	30.55 7.0 E.
Apr. 16	Ei.Y.	54.59 0.1 W.	May 20	Fk.	+0.02 ... W.	Mag. corr.....		-0.001	June 2	P.	30.43 7.5 W.
20	Ei.Y.	54.56 0.6 W.	1909			B. D. -17° 4172			8	Fk.	30.42 6.9
1905			Feb. 2	L.	-0.02 -0.8 W.	$\alpha = 14^h 40^m$			7	P.	30.43 7.2
May 24	Ei.Y.	54.62 0.5 E.	May 30	P.	+0.08 +0.7 E.	$\delta = -17^\circ 16'$			12	P.	30.48 6.7
1906			31	L.	+0.02 +0.6	1904			13	Fk.	30.43 7.8 W.
Mar. 20	Ei.Y.	54.57 0.6 W.	June 24	M.	+0.01 +0.3	May 4	Ei.Y.	17.84 30.2 W.	Mean.....		30.462 6.96
Mean.....		54.585 0.45	26	M.	... [-0.4]	5	Ei.Y.	17.80 30.8 W.	Mag. corr.....		+0.012
Mag. corr.....		-0.006	28	L.	... [+0.7]	1905			e Boötis		
c Centauri			July 24	P.	[+0.03] [-0.4]	Apr. 8	Ei.Y.	17.79 30.3 E.	$\alpha = 14^h 40^m 37^s 166$		
$\alpha = 14^h 37^m$			25	P.	... [+0.1]	1906			$\delta = +27^\circ 29' 44'' 58$		
$\delta = -34^\circ 44'$			1910			Apr. 2	Ei.Y.	17.74 30.2 W.	1904		
1905			Feb. 7	P.	+0.03 +0.3	Mean.....		17.792 30.38	Jan. 13	Br.	[+0.03] [-0.2] W.
Feb. 9	Br.	32.48 36.3 E.	Mar. 27	M.	-0.02 +0.5	Mag. corr.....		+0.006	20	Br.	... -0.6
24	M.	32.29 35.7	May 21	L.	+0.01 +0.7	B. D. -22° 3844			24	M.	-0.01 +0.4
Mar. 10	M.	32.28 35.4	June 21	L.	+0.04 ...	$\alpha = 14^h 40^m$			27	Br.	+0.03 +0.3
1907			1911			$\delta = -22^\circ 43'$			Feb. 8	Br.	+0.01 +0.5
June 8	P.	32.37 35.3	Jan. 15	M.	0.00 0.0	1904			11	M.	+0.09 +0.6
1908			27	L.	-0.02 +0.7 E.	May 28	Ei.Y.	22.32 47.2 W.	14	M.	+0.02 +0.3
Apr. 20	M.	32.29 35.8	Mean.....		+0.020 +0.58	June 3	Ei.Y.	22.26 47.2 W.	22	Br.	+0.08 +0.3
22	Fk.	32.39 35.5 E.	Mag. corr.....		-0.008	1905			24	Br.	+0.05 +1.1
May 11	M.	32.28 36.2 W.	B. D. -9° 3984			June 3	Ei.Y.	22.24 47.7 E.	Mar. 3	M.	+0.01 +0.3
12	P.	32.33 36.4	$\alpha = 14^h 38^m$			1906			9	M.	+0.01 +0.3 W.
June 12	P.	32.47 35.2	$\delta = -9^\circ 16'$			Apr. 13	Ei.Y.	22.24 47.1 W.	1905		
13	Fk.	32.36 36.4	1904			Mean.....		22.265 47.30	June 2	Br.	-0.04 +0.6 E.
18	M.	32.33 36.2 W.	Apr. 21	Ei.Y.	3.98 24.5 W.	Mag. corr.....		+0.024	9	Br.	0.00 +0.9
Mean.....		32.352 35.85	May 24	Ei.Y.	3.99 24.5 W.	B. D. -18° 3891			13	Br.	+0.04 +0.5
Mag. corr.....		-0.009	May 22	Ei.Y.	3.99 24.0 E.	$\alpha = 14^h 40^m$			15	M.	-0.02 +0.1
μ Virginis			1906			$\delta = -18^\circ 33'$			16	Br.	+0.01 +0.7
$\alpha = 14^h 37^m 47^s 413$			Apr. 19	Ei.Y.	3.94 24.3 W.	1904			17	Hl.	-0.01 +0.6
$\delta = -5^\circ 13' 26'' 69$			Mean.....		3.975 24.32	May 28	Ei.Y.	26.12 26.4 W.	19	Br.	+0.05 +0.4 E.
1904			Mag. corr.....		+0.016	June 3	Ei.Y.	26.07 26.6 W.	1906		
Jan. 27	Br.	+0.02 +0.1 W.	B. D. +37° 2566			1905			Jan. 29	Br.	+0.02 +0.1 W.
Feb. 3	Br.	+0.03 +1.3	$\alpha = 14^h 38^m$			May 19	Ei.Y.	26.11 27.0 E.	Feb. 19	Br.	+0.04 -0.1
Mar. 4	R.	+0.02 +0.4	$\delta = +37^\circ 2'$			1906			22	Bs.	+0.07 +1.2
May 1	M.	+0.02 -0.2	1905			Apr. 17	Ei.Y.	26.10 27.1 W.	23	Hl.	-0.02 +0.4 W.
7	Ei.Y.	+0.07 +0.4	May 21	Ei.Y.	17.40 21.7 W.	Mean.....		26.100 26.78	1907		
11	Ei.Y.	+0.06 +0.3	29	Ei.Y.	17.43 21.2 W.	Mag. corr.....		-0.007	Apr. 29	M.	+0.06 +0.4 E.
12	Ei.Y.	+0.01 0.0	Mean.....		17.420 21.22	B. D. -14° 4023			May 17	Hl.	+0.03 +0.9
13	Br.	+0.04 +0.5	Mag. corr.....		-0.007	$\alpha = 14^h 40^m$			June 22	P.	+0.02 +0.7
25	Br.	0.00 +1.0	34 Boötis			$\delta = -15^\circ 2'$			23	P.	+0.04 +1.4
26	Ei.	+0.04 +0.5	$\alpha = 14^h 39^m$			1904			1908		
27	Ei.Y.	-0.04 +1.0 W.	$\delta = +26^\circ 57'$			Apr. 5	Ei.Y.	26.86 16.5 W.	Feb. 8	P.	0.00 +0.7
1905			1907			14	Ei.Y.	26.84 16.6 W.	20	Hl.	+0.02 +0.5
Feb. 10	M.	+0.02 +1.4 E.	May 28	M.	1.70 10.5 E.	1905			26	M.	+0.01 ...
Apr. 20	Ei.Y.	0.00 +0.6	June 3	M.	1.68 10.4	Apr. 22	Ei.M.	26.76 16.1 E.	Mar. 4	M.	-0.04 +1.0
22	Ei.M.	+0.02 +1.0	6	P.	1.55 10.6	B. D. -15° 4023			17	P.	+0.02 ...
May 19	Ei.Y.	+0.04 +1.2	15	P.	1.62 11.1 E.	1904			Apr. 3	P.	+0.07 +0.8 E.
June 1	Ei.Y.	+0.06 +0.8 E.				May 25	M.	-0.07 -0.4 W.	May 25	M.	-0.07 -0.4 W.
						June 4	M.	+0.03 +0.4	June 4	M.	+0.03 +0.4
						5	P.	+0.07 +0.2 W.	1909		
									June 29	M.	[+0.03] [+0.2] E.
									30	L.	[-0.07] [+0.5] E.

1909			B. D. -20° 4093			1905			1908		
July 1 M.	s	"	$\alpha = 14^h 41^m$			May 22 Ei.Y.	s	"	June 6 Fk.	s	"
2 P.	[+0.02]	[+0.6]	$\delta = -20^\circ 54'$			1906			7 P.	+0.03	+0.2 W.
3 L.	0.00	[+0.7]				Apr. 13 Ei.Y.	48.54	15.1 E.	18 M.	+0.05	-0.2
7 L.	[+0.01]	[+0.5]								+0.04	...
8 M.	[+0.01]	[-0.1]	1904			Mean.....	48.482	14.90	1909		
9 P.	[+0.02]	[+0.2]	Apr. 21 Ei.Y.	32.44	18.8 W.	Mag. corr.....	+0.010		Feb. 1 P.	+0.08	+1.0
1910			May 4 Ei.Y.	32.46	17.7 W.	μ Libræ (brighter)			2 L.	+0.07	-0.7
June 7 P.	+0.01	+1.6	1905			$\alpha = 14^h 43^m$			4 P.	+0.03	-1.2
8 L.	-0.01	+0.8	June 3 Ei.Y.	32.46	18.5 E.	$\delta = -13^\circ 43'$			11 P.	-0.06	+0.6 W.
14 M.	0.00	+0.6	1906						June 19 M.	+0.07	0.0 E.
20 M.	-0.01	+0.5	Apr. 19 Ei.Y.	32.49	19.0 W.				21 L.	....	+0.2
21 L.	0.00	+1.0	Mean.....	32.462	18.50				23 L.	+0.07	+0.3
22 P.	0.00	+1.1	Mag. corr.....	+0.022		1904			24 M.	+0.03	+0.2
30 L.	[+0.02]	[+0.8] E.	B. D. +38° 2589			Apr. 18 Ei.Y.	50.15	57.1 W.	25 L.	....	+0.7
Mean.....	+0.017	+0.56	$\alpha = 14^h 41^m$			May 7 Ei.Y.	50.07	57.1 W.	30 L.	[+0.05]	[+0.3]
Mag. corr.....	+0.003		$\delta = +38^\circ 9'$			1905			July 1 M.	....	[-0.1]
	[+0.008]	[+0.34]				May 19 Ei.Y.	50.10	56.6 E.	2 P.	[+0.03]	[-0.4]
109 Virginis			1905			1906			1910		
$\alpha = 14^h 41^m 11^s.506$			June 5 Ei.Y.	46.37	21.6 E.	Jan. 24 Hl.	50.09	55.7 W.	Feb. 7 P.	+0.04	-0.6
$\delta = +2^\circ 18' 50''.98$			8 Ei.Y.	46.39	21.6 E.	28 Bs.	50.11	55.9	June 22 P.	+0.06	+0.2
1904			1906			Feb. 16 Hl.	50.06	56.0	30 L.	[+0.10]	[+0.7]
May 1 M.	+0.02	-0.2 W.	May 21 Ei.Y.	46.33	22.3 W.	22 Bs.	50.09	55.1	1911		
11 Ei.Y.	0.00	+1.0	29 Ei.Y.	46.39	21.9 W.	Apr. 17 Ei.Y.	50.11	56.7 W.	Jan. 23 P.	-0.02	+0.8
12 Ei.Y.	+0.01	+0.6	Mean.....	46.370	21.85	1907			24 L.	+0.07	+0.7
26 Ei.	+0.01	+0.1	Mag. corr.....	-0.012		June 5 M.	50.07	56.2 E.	27 L.	+0.11	+1.5
June 15 M.	+0.05	+0.2	B. D. -12° 4134			6 P.	50.05	55.9	30 P.	+0.05	+0.7
18 M.	+0.07	+0.2 W.	$\alpha = 14^h 42^m$			15 P.	50.05	56.6	Feb. 2 P.	+0.02	+1.3
1905			$\delta = -12^\circ 25'$			1908			10 M.	+0.11	+0.8 E.
Feb. 10 M.	+0.05	+0.7 E.	1904			Feb. 8 P.	50.05	56.0	Mean.....	+0.042	+0.42
23 Br.	+0.01	+0.1	May 7 Ei.Y.	27.52	8.6 W.	Apr. 21 P.	50.26	56.4 E.	Mag. corr.....	-0.001	
24 M.	-0.03	+0.8	27 Ei.Y.	27.47	8.2 W.	May 12 P.	50.12	56.9 W.	295 B. Boötis		
Mar. 10 M.	0.00	+0.7	1905			25 M.	50.00	57.3 W.	$\alpha = 14^h 45^m$		
Apr. 20 Ei.Y.	+0.02	+0.8 E.	June 1 Ei.Y.	27.54	8.5 E.	Mean.....	50.092	56.37	$\delta = +38^\circ 13'$		
1906			Apr. 10 Ei.Y.	27.53	9.1 W.	Mag. corr.....	-0.005		1904		
June 22 Ei.Y.	+0.03	... W.	1906			B. D. -8° 3841			June 15 M.	11.14	24.1 W.
1907			Mean.....	27.515	8.60	$\alpha = 14^h 44^m$			1907		
May 27 Ei.P.	+0.03	+1.0 E.	Mag. corr.....	-0.015		$\delta = -8^\circ 47'$			May 17 Hl.	11.05	24.4 E.
June 20 P.	+0.01	-0.1	B. D. +36° 2530			1904			June 3 M.	11.02	24.9
21 M.	+0.02	+0.6	$\alpha = 14^h 43^m$			Apr. 5 Ei.Y.	25.14	12.9 W.	21 M.	11.00	24.4
1908			$\delta = +35^\circ 59'$			14 Ei.Y.	25.14	12.6 W.	1908		
Feb. 24 Hl.	-0.01	0.0	1905			1905			Mar. 9 Hl.	10.97	24.7
Mar. 10 P.	+0.06	+1.6	June 5 Ei.Y.	17.65	9.9 E.	Apr. 22 Ei.M.	25.07	12.5 E.	10 P.	10.98	25.0
21 Fk.	+0.02	....	8 Ei.Y.	17.60	9.9 E.	1906			21 Fk.	11.01	(27.3) E.
Apr. 20 M.	+0.04	+1.0	1906			Apr. 24 Ei.Y.	25.10	12.9 W.	May 27 Fk.	10.96	24.9 W.
22 Fk.	+0.03	+0.2 E.	May 21 Ei.Y.	17.67	10.7 W.	Mean.....	25.112	12.72	28 M.	10.99	24.9
May 27 Fk.	0.00	+0.9 W.	29 Ei.Y.	17.64	10.2 W.	Mag. corr.....	+0.006		June 1 Fk.	10.90	... W.
28 M.	+0.09	+0.4	Mean.....	17.640	10.18	8 Libræ			Mean.....	11.002	24.66
June 1 Fk.	-0.02	....	Mag. corr.....	+0.005		$\alpha = 14^h 45^m 9^s.198$			Mag. corr.....	-0.006	
1909			B. D. -10° 3967			$\delta = -15^\circ 34' 53''.74$			α Libræ		
Feb. 1 P.	+0.04	+1.0	$\alpha = 14^h 43^m$			1904			$\alpha = 14^h 45^m 20^s.635$		
2 L.	+0.06	-0.8	$\delta = -10^\circ 24'$			Mar. 4 R.	+0.02	+0.4 W.	$\delta = -15^\circ 37' 35''.03$		
4 P.	+0.06	-0.7	1904			9 M.	0.00	+0.2	1904		
11 P.	-0.02	+1.2	May 4 Ei.Y.	46.68	38.0 W.	Apr. 16 Ei.Y.	+0.03	+0.8	Jan. 13 Br.	[-0.01]	[-0.5] W.
17 M.	+0.04	+1.0	5 Ei.Y.	46.69	38.8 W.	20 Ei.Y.	-0.02	+0.2	24 M.	+0.05	+0.4
18 P.	-0.02	0.0 W.	1905			May 1 M.	+0.06	+0.1	27 Br.	+0.03	+0.7
30 P.	+0.03	+0.8 E.	Apr. 8 Ei.Y.	46.65	37.8 E.	13 Br.	+0.02	+1.0	Feb. 8 Br.	+0.02	+1.2
June 19 M.	+0.03	+0.1	1906			25 Br.	+0.03	+0.4 W.	11 M.	+0.04	+0.6
21 L.	....	0.0	Apr. 2 Ei.Y.	46.66	38.3 W.	1905			14 M.	+0.03	+0.8
23 L.	+0.03	+0.4	Mean.....	46.670	38.22	Feb. 24 M.	+0.03	+0.6 E.	22 Br.	+0.01	+0.4
24 M.	-0.02	+0.2	Mag. corr.....	+0.006		Mar. 10 M.	+0.06	+0.5	24 Br.	+0.05	+0.9
1910			B. D. -19° 3966			May 24 Ei.Y.	+0.01	+1.0	Mar. 3 M.	+0.07	+0.7
Jan. 30 M.	+0.04	+0.4	$\alpha = 14^h 43^m$			June 9 Br.	+0.01	+0.7	Apr. 21 Ei.Y.	+0.04	0.0
1911			$\delta = -19^\circ 29'$			13 Br.	+0.04	+0.3	June 8 Ei.Y.	+0.04	+0.2
Jan. 15 M.	-0.02	+0.9	1904			15 M.	+0.02	+0.9	11 Ei.Y.	+0.04	+0.4
23 P.	-0.03	+1.6	May 28 Ei.Y.	48.44	14.6 W.	16 Br.	+0.08	+0.6	13 Ei.Y.	+0.03	+1.0
27 L.	+0.01	+1.3	June 3 Ei.Y.	48.48	14.8 W.	19 Br.	+0.07	+1.2 E.	18 M.	+0.07	... W.
30 P.	-0.01	+1.2	1905			1906			1905		
Feb. 2 P.	-0.01	+1.9	Jan. 29 Br.	+0.07	-0.6 W.	Jan. 29 Br.	+0.07	-0.6 W.	Feb. 10 M.	+0.10	+0.9 E.
10 M.	+0.04	+0.7	Feb. 23 Hl.	+0.05	0.0	Mar. 20 Ei.Y.	+0.02	-0.1 W.	June 3 Ei.Y.	+0.04	+0.9
12 L.	+0.01	+1.2 E.	1908			Apr. 20 M.	+0.05	... E.	14 Ei.Y.	+0.04	+0.6 E.
Mean.....	+0.019	+0.59	Apr. 20 M.	+0.05	... E.	June 2 P.	+0.07	+0.7 W.	1906		
Mag. corr.....	-0.005		4 M.	+0.06	+0.8 W.	4 M.	+0.06	+0.8 W.	Apr. 18 Ei.Y.	+0.05	+1.0 W.
									19 Ei.Y.	+0.05	+0.1 W.

1906			B. D. -17° 4200			B. D. -22° 3858			1907		
June 11	Ei. Y.	0.00	$\alpha = 14^h 46^m$			$\alpha = 14^h 47^m$			June 5	M.	0.00
22	Ei. Y.	+0.06	$\delta = -17^\circ 56'$			$\delta = -23^\circ 3'$			15	P.	-0.14
1907			1904			1904			1908		
Apr. 29	M.	+0.06	May 4	Ei. Y.	14.60	Apr. 16	Ei. Y.	31.85	Feb. 8	P.	-0.07
May 27	P.	+0.01	5	Ei. Y.	14.60	20	Ei. Y.	31.88	Apr. 3	P.	-0.01
June 8	P.	+0.03	1905			1905			June 12	P.	0.00
22	P.	+0.07	Apr. 8	Ei. Y.	14.56	May 24	Ei. Y.	31.91	13	Fk.	+0.03
23	P.	+0.06	1906			1906			18	M.	-0.02
24	M.	+0.12	Apr. 2	Ei. Y.	14.58	Mar. 20	Ei. Y.	31.93	19	P.	+0.03
1908			Mean.....			Mean.....			23	Fk.	+0.02
Feb. 26	M.	-0.03	14.585	34.62		31.892	28.78		Mean.....		
Mar. 2	Hi.	+0.13	Mag. corr.....	+0.014		Mag. corr.....	-0.006		-0.020	+0.22	
3	P.	+0.16	B. D. -16° 3953			B. D. -21° 3985			Mag. corr.....		
17	P.	+0.08	$\alpha = 14^h 46^m$			$\alpha = 14^h 47^m$			-0.004		
20	M.	+0.02	$\delta = -17^\circ 5'$			$\delta = -21^\circ 11'$			ξ^1 Libræ		
22	Fk.	+0.07	1904			1904			$\alpha = 14^h 48^m$		
June 8	M.	+0.07	May 28	Ei. Y.	26.69	Apr. 21	Ei. Y.	35.34	$\delta = -11^\circ 29'$		
11	M.	+0.03	June 3	Ei. Y.	26.69	June 8	Ei. Y.	35.41	1904		
12	P.	+0.10	1905			1905			May 28	Ei. Y.	57.05
13	Fk.	+0.07	May 22	Ei. Y.	26.71	June 3	Ei. Y.	35.38	June 8	Ei. Y.	57.08
19	P.	+0.02	1906			1906			15	M.	57.05
23	Fk.	-0.02	Apr. 13	Ei. Y.	26.70	Apr. 19	Ei. Y.	35.37	1905		
1909			Mean.....			Mean.....			May 22	Ei. Y.	57.05
May 31	L.	+0.08	26.698	48.28		35.375	42.35		1906		
July 3	L.	[+0.10]	Mag. corr.....	-0.006		Mag. corr.....	-0.006		Apr. 13	Ei. Y.	57.06
7	L.	[+0.07]	ξ Boötis (brighter)			B. D. -8° 3855			1907		
8	M.	[-0.02]	$\alpha = 14^h 46^m$			$\alpha = 14^h 48^m$			June 3	M.	57.07
9	P.	[+0.07]	$\delta = +19^\circ 30'$			$\delta = -8^\circ 40'$			21	M.	57.06
24	P.	[+0.02]	1905			1904			1908		
25	P.	[-0.1]	Feb. 6	Br.	46.52	May 7	Ei. Y.	29.78	Apr. 20	M.	56.98
Aug. 22	P.	[+0.12]	17	M.	46.51	27	Ei. Y.	29.76	21	P.	57.02
1910			Mar. 25	Br.	46.53	1905			22	Fk.	57.11
Jan. 18	L.	+0.14	27	Br.	46.49	June 1	Ei. Y.	29.75	May 25	M.	57.02
30	M.	+0.11	31	M.	46.50	1906			June 6	Fk.	57.16
Mar. 27	M.	+0.09	1908			Apr. 10			7	P.	57.05
May 21	L.	+0.07	May 12	P.	46.53	Mean.....			8	M.	57.04
June 21	L.	+0.10	June 5	P.	46.52	29.765			Mean.....		
1911			14	P.	46.49	37.00			Mag. corr.....		
Jan. 15	M.	+0.04	16	P.	46.50	+0.008			B. D. -19° 3979		
Feb. 12	L.	+0.11	17	Fk.	46.50	C. P. D. -24° 5398			$\alpha = 14^h 49^m$		
18	P.	+0.14	Mean.....			$\alpha = 14^h 48^m$			$\delta = -19^\circ 36'$		
24	L.	+0.16	46.509	58.19		$\delta = -24^\circ 13'$			1904		
Mean.....			Mag. corr.....	+0.002		1904			Apr. 18	Ei. Y.	25.54
Mag. corr.....			B. D. -14° 4055			May 4			May 24	Ei. Y.	25.50
[+0.050] [-0.08]			$\alpha = 14^h 47^m$			5	Ei. Y.	31.57	1905		
B. D. +40° 2817			$\delta = -14^\circ 58'$			1905			May 19	Ei. Y.	25.53
$\alpha = 14^h 45^m$			1904			Apr. 8			1906		
$\delta = +39^\circ 52'$			Apr. 18	Ei. Y.	0.18	1906			Apr. 17	Ei. Y.	25.50
1905			May 24	Ei. Y.	0.21	Mean.....			Mean.....		
June 5	Ei. Y.	42.34	1905			31.552			25.518		
8	Ei. Y.	42.38	1906			58.62			Mag. corr.....		
May 21	Ei. Y.	42.39	Apr. 17	Ei. Y.	0.20	B. D. +38° 2599			+0.007		
29	Ei. Y.	42.34	Mean.....			$\alpha = 14^h 48^m$			381 G. Centauri		
Mean.....			0.198	36.40		$\delta = +37^\circ 52'$			$\alpha = 14^h 49^m$		
Mag. corr.....			Mag. corr.....	+0.002		1905			$\delta = -33^\circ 26'$		
B. D. -17° 4196			B. D. -12° 4156			June 5			1905		
$\alpha = 14^h 45^m$			$\alpha = 14^h 47^m$			8	Ei. Y.	43.64	Feb. 24	M.	36.40
$\delta = -17^\circ 22'$			$\delta = -12^\circ 13'$			1906			Mar. 10	M.	36.34
1904			1904			May 21			1906		
May 7	Ei. Y.	59.28	Apr. 5	Ei. Y.	27.68	29			Jan. 28	Bs.	36.35
27	Ei. Y.	59.17	14	Ei. Y.	27.67	Mean.....			Feb. 19	Br.	36.37
1905			1905			43.668			Mar. 5	Br.	36.42
June 1	Ei. Y.	59.25	1906			49.62			1908		
Apr. 10	Ei. Y.	59.26	Apr. 24	Ei. Y.	27.66	61 B. Draconis			Mar. 9	Hi.	36.38
Mean.....			Mean.....			$\alpha = 14^h 48^m 53^s.961$			10	P.	36.43
Mag. corr.....			27.665	58.45		$\delta = +59^\circ 42' 2''.28$			21	Fk.	36.36
+0.015			Mag. corr.....	+0.001		1905			May 27	Fk.	36.37
						June 15			June 4	M.	36.33
						-0.04			Mean.....		
						+0.9 E.			36.375		
									58.44		
									-0.002		

B. D. +35° 2624			1909			1904			43 B. Libræ		
$\alpha = 14^h 50^m$			Aug. 17 L.			June 8 Ei.Y.			$\alpha = 14^h 51^m 37^s.972$		
$\delta = +35^\circ 39'$			21 L.			17 Ei.Y.			$\delta = -20^\circ 58' 4''.42$		
1905			1910			22 Ei.Y.			1904		
June 5 Ei.Y.			Jan. 18 L.			1905			May 4 Ei.Y.		
8 Ei.Y.			19 M.			Feb. 6 Br.			5 Ei.Y.		
1906			25 L.			10 M.			1905		
May 21 Ei.Y.			26 M.			25 Br.			Apr. 8 Ei.Y.		
29 Ei.Y.			29 P.			27 Br.			June 9 Br.		
Mean.....			30 M.			31 M.			13 Br.		
Mag. corr.....			Feb. 1 P.			June 1 Ei.Y.			15 M.		
			7 P.			19 Br.			16 Br.		
			1911			1906			17 Hl.		
B. D. -13° 4015			Jan. 30 P.			Jan. 31 Hl.			1906		
$\alpha = 14^h 50^m$			Feb. 2 P.			Apr. 10 Ei.Y.			Apr. 2 Ei.Y.		
$\delta = -13^\circ 29'$			10 M.			13 Ei.Y.			1908		
1904			12 L.			June 11 Ei.Y.			June 6 Fk.		
Apr. 5 Ei.Y.			Mean.....			22 Ei.Y.			7 P.		
14 Ei.Y.			Mag. corr.....			1907			8 M.		
1905			β Ursæ Minoris s. p.			Apr. 29 M.			12 P.		
Apr. 22 Ei.M.			$\alpha = 14^h 50^m 59^s.595$			May 27 P.			13 Fk.		
1906			$\delta = +74^\circ 33' 51''.07$			June 6 P.			Mean.....		
Apr. 24 Ei.Y.			1904			8 P.			Mag. corr.....		
Mean.....			Sept. 7 T.			20 P.			B. D. -11° 3841		
Mag. corr.....			11 M.			22 P.			$\alpha = 14^h 52^m$		
			15 M.			23 P.			$\delta = -12^\circ 2'$		
			1905			1908			1904		
B. D. -18° 3933			Nov. 25 Bs.			Feb. 8 P.			May 28 Ei.Y.		
$\alpha = 14^h 50^m$			1906			Mar. 2 Hl.			June 3 Ei.Y.		
$\delta = -18^\circ 31'$			Jan. 6 Hl.			20 P.			1905		
1904			29 Bs.			June 16 P.			May 22 Ei.Y.		
Apr. 16 Ei.Y.			30 Br.			17 Fk.			1906		
20 Ei.Y.			1907			1909			Apr. 16 Ei.Y.		
1905			Aug. 29 Hl.			Feb. 2 L.			Mean.....		
May 24 Ei.Y.			Sept. 15 M.			4 P.			Mag. corr.....		
1906			1908			June 28 L.			B. D. -16° 3972		
Mar. 20 Ei.Y.			Aug. 31 P.			July 24 P.			$\alpha = 14^h 52^m$		
Mean.....			1909			25 P.			$\delta = -16^\circ 57'$		
Mag. corr.....			Aug. 1 L.			1910			1904		
			2 P.			Mar. 27 M.			May 7 Ei.Y.		
			4 L.			May 21 L.			27 Ei.Y.		
			5 P.			June 21 L.			1905		
			6 L.			1911			May 19 Ei.Y.		
			8 L.			Jan. 24 L.			1906		
			9 L.			Feb. 18 P.			Apr. 17 Ei.Y.		
			19 L.			Mar. 18 P.			Mean.....		
			1910			Mean.....			Mag. corr.....		
			Jan. 19 L.			+0.056 +0.57			B. D. -10° 3994		
			20 M.			Mag. corr.....			$\alpha = 14^h 52^m$		
			25 P.			-0.004			$\delta = -10^\circ 45'$		
			Feb. 1 M.			321 B. Boëtis			1904		
			2 P.			$\alpha = 14^h 51^m 29^s.976$			May 7 Ei.Y.		
			5 L.			$\delta = +14^\circ 51' 1''.27$			27 Ei.Y.		
			1911			1904			1905		
			Jan. 30 M.			Feb. 14 M.			May 19 Ei.Y.		
			Feb. 5 P.			Mar. 3 M.			1906		
			7 P.			1907			Apr. 17 Ei.Y.		
			Mean.....			May 17 Hl.			Mean.....		
			Mag. corr.....			1908			Mag. corr.....		
			ξ^2 Libræ			Feb. 26 M.			B. D. -21° 4004		
			$\alpha = 14^h 51^m 20^s.433$			Mar. 24 P.			$\alpha = 14^h 52^m$		
			$\delta = -11^\circ 0' 22''.08$			25 M.			$\delta = -21^\circ 59'$		
			1904			27 P.			1904		
			Jan. 20 Br.			June 5 P.			Apr. 5 Ei.Y.		
			Mar. 4 R.			11 M.			14 Ei.Y.		
			Apr. 18 Ei.Y.			14 P.			1905		
			May 1 M.			1909			Apr. 22 Ei.M.		
			7 Ei.Y.			June 26 M.			1906		
			24 Ei.Y.			30 L.			Apr. 24 Ei.Y.		
			25 Br.			July 1 M.			Mean.....		
			26 Ei.			2 P.			Mag. corr.....		
			27 Ei.Y.			3 L.			B. D. -21° 4004		
						7 L.			$\alpha = 14^h 52^m$		
						8 M.			$\delta = -21^\circ 59'$		
						9 P.			1904		
						Mean.....			Apr. 16 Ei.Y.		
						Mag. corr.....			20 Ei.Y.		
						[+0.038][+0.38]			1905		
									May 24 Ei.Y.		
									Mean.....		
									Mag. corr.....		

1906 s " Mar. 20 Ei.Y. 56.19 58.4 W. Mean..... 56.162 57.22 Mag. corr..... +0.006 C. P. D. -23° 6029 $\alpha = 14^h 52^m$ $\delta = -23^\circ 26'$ 1904 s " Apr. 21 Ei.Y. 57.62 56.5 W. June 8 Ei.Y. 57.70 56.9 W. 1905 June 3 Ei.Y. 57.67 56.4 E. 1906 Apr. 19 Ei.Y. 57.69 57.1 W. Mean..... 57.670 56.72 Mag. corr..... -0.012 B. D. +36° 2555 $\alpha = 14^h 53^m$ $\delta = +35^\circ 53'$ 1905 s " June 5 Ei.Y. 6.03 36.5 E. 8 Ei.Y. 6.04 34.9 E. 1906 May 21 Ei.Y. 5.97 36.2 W. 29 Ei.Y. 6.03 36.8 W. Mean..... 6.018 36.10 Mag. corr..... +0.008 B. D. -14° 4082 $\alpha = 14^h 53^m$ $\delta = -15^\circ 2'$ 1904 s " May 4 Ei.Y. 20.16 6.8 W. 5 Ei.Y. 20.13 7.3 W. 1905 June 1 Ei.Y. 20.10 6.5 E. 1906 Apr. 10 Ei.Y. 20.12 7.1 W. Mean..... 20.128 6.92 Mag. corr..... -0.007 B. D. -10° 3999 $\alpha = 14^h 53^m$ $\delta = -10^\circ 44'$ 1904 s " May 28 Ei.Y. 28.93 30.7 W. June 3 Ei.Y. 28.92 31.0 W. 1905 Apr. 8 Ei.Y. 28.99 31.2 E. 1906 Apr. 2 Ei.Y. 28.92 30.7 W. Mean..... 28.940 30.90 Mag. corr..... +0.023 B. D. -19° 4000 $\alpha = 14^h 54^m$ $\delta = -19^\circ 44'$ 1904 s " Apr. 18 Ei.Y. 20.07 55.3 W. May 24 Ei.Y. 20.07 55.4 W. 1905 May 22 Ei.Y. 20.10 55.8 E. 1906 Apr. 16 Ei.Y. 20.11 55.6 W. Mean..... 20.088 55.52 Mag. corr..... -0.010	B. D. -14° 4085 $\alpha = 14^h 54^m$ $\delta = -14^\circ 19'$ 1904 s " May 7 Ei.Y. 41.91 47.6 W. 27 Ei.Y. 41.91 47.5 W. 1905 May 19 Ei.Y. 41.95 48.1 E. 1906 Apr. 17 Ei.Y. 41.94 49.0 W. Mean..... 41.928 48.05 Mag. corr..... -0.009 B. D. -18° 3945 $\alpha = 14^h 54^m$ $\delta = -18^\circ 13'$ 1904 s " Apr. 5 Ei.Y. 43.94 44.7 W. 14 Ei.Y. 43.97 44.5 W. 1905 Apr. 22 Ei.M. 43.91 45.0 E. 1906 Apr. 24 Ei.Y. 43.98 44.6 W. Mean..... 43.950 44.70 Mag. corr..... +0.001 C. P. D. -24° 5421 $\alpha = 14^h 55^m$ $\delta = -24^\circ 45'$ 1904 s " Apr. 16 Ei.Y. 18.58 5.2 W. 20 Ei.Y. 18.59 6.4 W. 1905 May 24 Ei.Y. 18.59 6.4 E. 1906 Mar. 20 Ei.Y. 18.63 6.9 W. Mean..... 18.598 6.22 Mag. corr..... -0.007 δ Libræ $\alpha = 14^h 55^m$ $\delta = -8^\circ 7'$ 1904 s " May 1 M. 37.75 19.9 W. 13 Br. 37.70 19.1 25 Br. 37.77 18.9 26 Ei. 37.73 19.7 1906 Jan. 28 Bs. 37.66 18.4 Feb. 19 Br. 37.70 19.6 W. 1907 May 17 Hl. 37.72 19.5 E. 27 P. 37.72 19.7 June 5 M. 37.74 18.8 6 P. 37.71 19.6 15 P. 37.62 20.0 E. Mean..... 37.711 19.38 Mag. corr..... +0.002 B. D. +35° 2637 $\alpha = 14^h 55^m$ $\delta = +35^\circ 29'$ 1905 s " June 5 Ei.Y. 42.46 56.8 E. 8 Ei.Y. 42.40 56.1 E. 1906 Mar. 21 Ei.Y. 42.41 57.4 W. 29 Ei.Y. 42.47 57.6 W. Mean..... 42.435 56.98 Mag. corr..... +0.002	2 H. Ursæ Minoris $\alpha = 14^h 55^m$ $\delta = +66^\circ 19'$ 1904 s " June 15 M. 59.31 51.1 W. 1905 Feb. 9 Br. 59.50 50.7 E. 23 Br. 59.48 50.9 24 M. 59.38 50.6 Mar. 10 M. 59.33 50.3 E. 1906 Feb. 22 Bs. 59.39 50.7 W. Mar. 5 Br. 59.44 50.4 W. 1907 June 20 P. 59.33 51.4 E. 1908 May 12 P. 59.45 50.9 W. 27 Fk. 59.39 51.2 W. Mean..... 59.400 50.82 Mag. corr..... +0.002 2 H. Ursæ Minoris s. p. $\alpha = 14^h 55^m$ $\delta = +66^\circ 19'$ 1903 s " Dec. 31 Br. 59.40 49.8 W. 1904 Jan. 24 Br. 59.34 50.8 W. Sept. 6 M. 59.40 49.6 E. 8 M. 59.39 51.4 22 M. 59.48 50.6 26 T. 59.60 51.5 E. 1905 Aug. 31 Br. 59.35 50.6 W. Sept. 21 Hl. 59.50 50.6 1906 Jan. 29 Bs. 59.51 51.6 W. 1907 Oct. 25 Hl. 59.39 51.1 E. Mean..... 59.436 50.76 Mag. corr..... +0.002 B. D. -21° 4015 $\alpha = 14^h 56^m$ $\delta = -21^\circ 37'$ 1904 s " Apr. 21 Ei.Y. 44.83 10.3 W. May 24 Ei.Y. 44.90 10.9 W. 1905 June 3 Ei.Y. 44.85 10.5 E. 1906 Apr. 19 Ei.Y. 44.78 11.1 W. Mean..... 44.840 10.70 Mag. corr..... -0.001 B. D. -17° 4243 $\alpha = 14^h 57^m$ $\delta = -17^\circ 14'$ 1904 s " Apr. 18 Ei.Y. 29.21 18.4 W. May 24 Ei.Y. 29.19 18.2 W. 1905 June 1 Ei.Y. 29.17 18.2 E. 1906 Apr. 10 Ei.Y. 29.15 18.5 W. Mean..... 29.180 18.32 Mag. corr..... +0.012	B. D. -12° 4192 $\alpha = 14^h 57^m$ $\delta = -12^\circ 27'$ 1904 s " May 4 Ei.Y. 39.53 51.3 W. 5 Ei.Y. 39.48 50.7 W. 1905 Apr. 8 Ei.Y. 39.53 51.2 E. 1906 Apr. 2 Ei.Y. 39.45 50.6 W. Mean..... 39.498 50.95 Mag. corr..... +0.005 B. D. -16° 3992 $\alpha = 14^h 57^m$ $\delta = -16^\circ 11'$ 1904 s " May 28 Ei.Y. 58.34 56.1 W. June 3 Ei.Y. 58.30 56.0 W. 1905 May 22 Ei.Y. 58.41 56.3 E. 1906 Apr. 16 Ei.Y. 58.34 55.8 W. Mean..... 58.348 56.05 Mag. corr..... +0.001 β Boötis $\alpha = 14^h 58^m 10^s.735$ $\delta = +40^\circ 47' 5''.37$ 1905 s " Mar. 27 Br. +0.01 +0.3 E. 31 M. -0.02 -0.2 1907 June 8 P. -0.05 +0.6 1908 Feb. 26 M. -0.04 +0.8 Mar. 3 P. -0.07 0.0 E. May 12 P. +0.03 +0.7 W. June 2 P. -0.09 +0.3 4 M. 0.00 +1.0 5 P. 0.00 +0.5 7 P. -0.03 +0.6 W. Mean..... -0.026 +0.46 Mag. corr..... -0.003 B. D. +39° 2826 $\alpha = 14^h 58^m$ $\delta = +39^\circ 19'$ 1905 s " June 5 Ei.Y. 11.40 16.0 E. 8 Ei.Y. 11.48 14.9 E. 1906 May 21 Ei.Y. 11.36 16.0 W. 29 Ei.Y. 11.39 15.8 W. Mean..... 11.408 15.68 Mag. corr..... -0.002 γ Scorpii $\alpha = 14^h 58^m 12^s.919$ $\delta = -24^\circ 53' 20''.35$ 1904 s " Feb. 24 Br. -0.04 +0.7 W. Mar. 3 M. +0.06 +1.0 4 R. +0.01 +0.4 16 R. -0.03 +0.7 May 7 Ei.Y. +0.05 +0.1 27 Ei.Y. -0.07 +0.6 W. 1905 May 19 Ei.Y. -0.06 +0.4 E. 1906 Apr. 17 Ei.Y. +0.04 -0.2 W.
--	---	---	--

1907			1906			B. D. -13° 4065			1905		
June 21 M.	+0.06	+0.1 E.	Jan. 28 Bs.	-0.03	+0.8 W.	$\alpha = 15^h 0^m$			Apr. 22 Ei.M.	5.10	8.6 E.
24 M.	+0.01	+1.1	31 Hl.	+0.02	-0.8	$\delta = -13^\circ 52'$			1906		
1908			Feb. 19 Br.	-0.02	+0.4				Apr. 24 Ei.Y.	5.08	9.3 W.
Feb. 24 Hl.	+0.06	-0.1	22 Bs.	+0.02	+0.5	1904			Mean.....	5.075	9.00
Mar. 4 M.	+0.02	-0.8	Mar. 5 Br.	+0.02	+0.1 W.	Apr. 18 Ei.Y.	30.42	5.4 W.	Mag. corr.....	+0.008	
9 Hl.	-0.01	+0.2 E.	1908			May 24 Ei.Y.	30.39	6.0 W.	B. D. -15° 4028		
June 6 Fk.	-0.02	-0.2 W.	Mar. 2 Hl.	-0.06	... E.	1905			$\alpha = 15^h 1^m$		
Mean.....	+0.006	+0.29	20 P.	+0.07	+1.1	June 1 Ei.Y.	30.41	5.4 E.	$\delta = -16^\circ 5'$		
Mag. corr.....	-0.002		21 Fk.	+0.01	+0.1	1906					
B. D. -14° 4102			24 P.	+0.01	+0.8	Apr. 10 Ei.Y.	30.35	6.3 W.			
$\alpha = 14^h 58^m$			25 M.	-0.01	+0.5	Mean.....	30.392	5.78			
$\delta = -15^\circ 4'$			27 P.	-0.06	-0.2	Mag. corr.....	-0.010				
1904			Apr. 3 P.	+0.04	+0.6	B. D. -18° 3972					
Apr. 5 Ei.Y.	35.73	11.5 W.	6 Fk.	+0.01	+0.8	$\alpha = 15^h 0^m$			1904		
14 Ei.Y.	35.73	11.2 W.	22 Fk.	0.00	+0.3 E.	$\delta = -18^\circ 59'$			Apr. 16 Ei.Y.	14.10	48.9 W.
1905			June 11 M.	-0.02	+1.0 W.				20 Ei.Y.	14.03	49.5 W.
Apr. 22 Ei.M.	35.75	11.0 E.	13 Fk.	-0.04	+0.4	1904			1905		
1906			14 P.	-0.05	+0.9	May 4 Ei.Y.	33.99	19.2 W.	May 24 Ei.Y.	14.02	49.0 E.
Apr. 24 Ei.Y.	35.72	11.5 W.	16 P.	+0.02	+0.9	5 Ei.Y.	34.00	19.4 W.	1906		
Mean.....	35.732	11.30	17 Fk.	-0.02	+0.8	1905			Mar. 20 Ei.Y.	13.99	49.7 W.
Mag. corr.....	0.000		18 M.	+0.03	+0.2	Apr. 8 Ei.Y.	33.97	19.1 E.	Mean.....	14.035	49.28 -
B. D. -22° 3897			19 P.	+0.03	+0.6	1906			Mag. corr.....	+0.016	
$\alpha = 14^h 59^m$			23 Fk.	-0.08	+0.9	Apr. 2 Ei.Y.	34.02	19.0 W.	C. P. D. -23° 6073.		
$\delta = -22^\circ 37'$			26 M.	+0.01	+1.0	Mean.....	33.995	19.18	$\alpha = 15^h 1^m$		
1904			1909			Mag. corr.....	+0.001		$\delta = -23^\circ 48'$		
Apr. 16 Ei.Y.	29.37	22.9 W.	Feb. 11 P.	+0.02	+0.9	B. D. -21° 4030			1904		
20 Ei.Y.	29.41	24.6 W.	Apr. 6 L.	-0.05	-0.2 W.	$\alpha = 15^h 0^m$			Apr. 21 Ei.Y.	26.18	27.6 W.
1905			June 30 L.	-0.01	+1.0 E.	$\delta = -21^\circ 38'$			June 8 Ei.Y.	26.25	28.4 W.
May 24 Ei.Y.	29.40	24.1 E.	July 1 M.	....	-0.1	1904			1905		
1906			2 P.	+0.02	0.0	May 28 Ei.Y.	40.86	33.8 W.	June 3 Ei.Y.	26.32	27.3 E.
Mar. 20 Ei.Y.	29.48	24.8 W.	3 L.	+0.02	+0.7	June 3 Ei.Y.	40.81	33.5 W.	1906		
Mean.....	29.415	24.10	7 L.	[-0.03]	[+0.3]	1905			Apr. 19 Ei.Y.	26.28	28.6 W.
Mag. corr.....	+0.008		8 M.	[+0.03]	[-0.2]	May 22 Ei.Y.	40.86	33.8 E.	Mean.....	26.258	27.98
B. D. -19° 4019			9 P.	[+0.01]	[+0.5]	1906			Mag. corr.....	+0.007	
$\alpha = 15^h 0^m$			1910			Apr. 13 Ei.Y.	40.88	33.9 W.	B. D. -11° 3881		
$\delta = -20^\circ 1'$			June 7 P.	+0.02	+1.3	Mean.....	40.852	33.75	$\alpha = 15^h 2^m$		
1904			8 L.	-0.01	+0.8	Mag. corr.....	+0.022		$\delta = -11^\circ 39'$		
Apr. 21 Ei.Y.	6.01	34.6 W.	14 M.	-0.01	+0.4	B. D. +39° 2832			1904		
June 8 Ei.Y.	6.10	35.2 W.	20 M.	+0.05	+0.8	$\alpha = 15^h 0^m$			Apr. 18 Ei.Y.	39.68	54.3 W.
1905			21 L.	-0.08	+1.0	$\delta = +38^\circ 59'$			May 24 Ei.Y.	39.67	55.0 W.
June 3 Ei.Y.	6.09	34.6 E.	22 P.	-0.01	+0.6	1905			1905		
1906			30 L.	+0.01	+0.7 E.	June 5 Ei.Y.	53.14	35.8 E.	June 1 Ei.Y.	39.67	54.8 E.
Apr. 19 Ei.Y.	6.02	35.7 W.	<i>i Boötis (mean)</i>			8 Ei.Y.	53.18	35.1 E.	1906		
Mean.....	6.055	35.02	$\alpha = 15^h 0^m$			May 21 Ei.Y.	53.15	35.8 W.	Apr. 10 Ei.Y.	39.64	55.9 W.
Mag. corr.....	-0.005		$\delta = +48^\circ 2'$			29 Ei.Y.	53.20	36.0 W.	Mean.....	39.665	55.00
\downarrow Boötis			1905			Mean.....	53.168	35.68	Mag. corr.....	+0.005	
$\alpha = 15^h 0^m$			Mar. 10 M.	29.26	36.4 E.	B. D. -15° 4026			c Boötis		
$\delta = +27^\circ 20' 14''.78$			Mag. corr.....	0.00		$\alpha = 15^h 1^m$			$\alpha = 15^h 2^m$		
1904			<i>i Boötis (fol.)</i>			$\delta = -15^\circ 52'$			$\delta = +25^\circ 15'$		
Jan. 20 Br.	....	[+0.2] W.	$\alpha = 15^h 0^m$			1904			1905		
27 Br.	0.00	+0.4	$\delta = +48^\circ 2'$			May 7 Ei.Y.	2.83	8.6 W.	Mar. 25 Br.	54.61	30.0 E.
Mar. 9 M.	+0.02	+0.6	1905			27 Ei.Y.	2.81	8.1 W.	27 Br.	54.57	30.1
May 1 M.	+0.02	-0.2	Feb. 9 Br.	29.59	37.2 E.	1905			31 M.	54.55	30.3
13 Br.	+0.01	+0.7	23 Br.	29.55	38.0	May 19 Ei.Y.	2.77	7.7 E.	1907		
23 M.	-0.02	...	24 M.	29.46	37.6	1906			June 8 P.	54.58	30.4
25 Br.	+0.02	+1.3	1907			Apr. 17 Ei.Y.	2.81	9.3 W.	15 P.	54.60	30.3 E.
26 Ei.	-0.01	+0.1 W.	June 20 P.	29.47	37.1	Mean.....	2.805	8.42	1908		
1905			1908			Mag. corr.....	-0.002		June 2 P.	54.63	30.3 W.
Feb. 10 M.	0.00	+0.5 E.	Mar. 10 P.	29.44	37.9 E.	B. D. -12° 4198			4 M.	54.64	30.3
Apr. 30 Y.	+0.03	...	May 27 Fk.	29.39	37.9 W.	$\alpha = 15^h 1^m$			5 P.	54.67	29.9
June 9 Br.	-0.05	+1.4	28 M.	29.35	38.3	$\delta = -12^\circ 31'$			6 Fk.	54.66	29.8
14 Ei.Y.	+0.01	...	June 1 Fk.	29.33	...	1904			7 P.	54.61	30.0 W.
15 M.	0.00	+0.9	8 M.	29.31	38.3	Apr. 5 Ei.Y.	5.08	9.2 W.	Mean.....	54.612	30.14
16 Br.	-0.03	+1.0	12 P.	29.40	37.7 W.	14 Ei.Y.	5.04	8.9 W.	Mag. corr.....	0.000	
17 Hl.	-0.01	+0.7	Mean.....	29.429	37.78	B. D. -22° 3904			B. D. -22° 3904		
19 Br.	-0.02	+0.4 E.	Mag. corr.....	-0.001		$\alpha = 15^h 3^m$			$\delta = -22^\circ 40'$		

1905 Apr. 8 Ei.Y. 4.79 57.0 E. 1906 Apr. 2 Ei.Y. 4.82 58.1 W. Mean..... 4.800 57.25 Mag. corr..... 0.000 B. D. +40° 2854 $\alpha = 15^h 3^m$ $\delta = +39^\circ 59'$ 1905 June 5 Ei.Y. 7.33 37.8 E. 8 Ei.Y. 7.24 37.2 E. 1906 May 21 Ei.Y. 7.23 37.6 W. 29 Ei.Y. 7.23 37.5 W. Mean..... 7.258 37.52 Mag. corr..... -0.008 C. P. D. -23° 6090 $\alpha = 15^h 4^m$ $\delta = -23^\circ 36'$ 1904 May 28 Ei.Y. 1.21 12.1 W. June 3 Ei.Y. 1.16 12.6 W. 1905 May 22 Ei.Y. 1.21 12.4 E. 1906 Apr. 13 Ei.Y. 1.22 12.5 W. Mean..... 1.200 12.40 Mag. corr..... +0.014 C. P. D. -25° 5557 $\alpha = 15^h 4^m$ $\delta = -25^\circ 57'$ 1904 May 7 Ei.Y. 23.60 5.0 W. 27 Ei.Y. 23.61 4.4 W. 1905 May 19 Ei.Y. 23.53 4.1 E. 1906 Apr. 17 Ei.Y. 23.60 5.6 W. Mean..... 23.585 4.78 Mag. corr..... +0.024 B. D. -17° 4263 $\alpha = 15^h 4^m$ $\delta = -17^\circ 40'$ 1904 Apr. 5 Ei.Y. 32.75 31.6 W. 14 Ei.Y. 32.76 31.8 W. 1905 Apr. 22 Ei.M. 32.74 31.6 E. 1906 Apr. 24 Ei.Y. 32.76 32.0 W. Mean..... 32.752 31.75 Mag. corr..... 0.000 B. D. -12° 4214 $\alpha = 15^h 5^m$ $\delta = -12^\circ 40'$ 1904 Apr. 16 Ei.Y. 43.98 30.5 W. 20 Ei.Y. 43.98 30.9 W. 1905 May 24 Ei.Y. 43.94 30.9 E. 1906 Mar. 20 Ei.Y. 43.97 30.9 W. Mean..... 43.968 30.80 Mag. corr..... +0.006	B. D. -20° 4164 $\alpha = 15^h 5^m$ $\delta = -20^\circ 55'$ 1904 Apr. 21 Ei.Y. 47.91 52.9 W. June 17 Ei.Y. 47.95 52.7 W. 1905 June 3 Ei.Y. 47.90 52.4 E. 1906 June 22 Ei.Y. 48.01 52.7 W. Mean..... 47.942 52.68 Mag. corr..... -0.010 B. D. +35° 2654 $\alpha = 15^h 6^m$ $\delta = +35^\circ 8'$ 1905 June 8 Ei.Y. 9.04 1.6 E. 14 Ei.Y. 9.03 2.4 E. 1906 May 21 Ei.Y. 9.08 3.0 W. 29 Ei.Y. 9.06 2.5 W. Mean..... 9.052 2.38 Mag. corr..... -0.008 B. D. -14° 4140 $\alpha = 15^h 6^m$ $\delta = -14^\circ 51'$ 1904 June 8 Ei.Y. 14.56 11.2 W. 11 Ei.Y. 14.58 10.8 W. 1905 June 1 Ei.Y. 14.53 11.2 E. 1906 Apr. 10 Ei.Y. 14.50 11.5 W. Mean..... 14.542 11.18 Mag. corr..... -0.013 B. D. -15° 4047 $\alpha = 15^h 6^m$ $\delta = -15^\circ 46'$ 1904 June 13 Ei.Y. 14.63 51.0 W. 14 Ei.Y. 14.60 51.5 W. 1905 Apr. 8 Ei.Y. 14.58 50.4 E. 1906 Apr. 2 Ei.Y. 14.60 50.7 W. Mean..... 14.602 50.90 Mag. corr..... +0.014 Librae $\alpha = 15^h 6^m 31^s.148$ $\delta = -19^\circ 24' 48''.56$ 1904 Jan. 27 Br. +0.02 +1.3 W. Mar. 18 M. +0.01 +1.2 Apr. 18 Ei.Y. +0.04 +1.8 May 4 Ei.Y. +0.03 +1.8 5 Ei.Y. +0.03 +1.2 7 Ei.Y. 0.00 +0.5 13 Br. +0.01 +1.5 24 Ei.Y. +0.06 +0.8 26 Ei. 0.00 +0.6 27 Ei.Y. -0.08 +1.0 June 17 Ei.Y. -0.03 +0.9 22 Ei.Y. +0.04 +2.4 W. 1905 Feb. 10 M. +0.03 +1.7 E. May 22 Ei.Y. +0.03 +1.0 June 17 Hl. +0.04 +1.4 19 Br. +0.02 +0.7 E.	1906 Feb. 23 Hl. 0.00 +0.2 W. Apr. 7 Ei.Y. +0.01 -0.1 17 Ei.Y. +0.04 +0.7 19 Ei.Y. -0.04 +0.3 W. 1908 Feb. 24 Hl. +0.07 ... E. 26 M. +0.01 ... Mar. 3 P. +0.09 +0.5 4 M. -0.02 +0.7 9 Hl. +0.01 ... 10 P. +0.11 +0.4 24 P. -0.02 +0.5 25 M. +0.05 +0.9 27 P. +0.01 +0.2 Apr. 3 P. +0.01 -0.1 6 Fk. +0.06 +0.7 E. May 12 P. +0.05 -0.7 W. 27 Fk. -0.03 +0.5 28 M. 0.00 +0.2 June 1 Fk. -0.02 ... 16 P. +0.10 +1.6 17 Fk. +0.04 +1.1 18 M. +0.07 +0.3 19 P. 0.00 ... 23 Fk. -0.01 +1.2 W. 1909 July 2 P. +0.04 -0.2 E. 3 L. +0.06 +1.3 7 L. [+0.02] [+0.9] 1910 Mar. 28 P. 0.00 +0.4 June 21 L. +0.07 +1.2 1911 Jan. 24 L. +0.08 +1.2 Feb. 20 P. +0.02 +1.2 23 P. +0.04 +0.2 Mar. 18 P. +0.09 +0.8 E. Mean..... +0.026 +0.81 Mag. corr..... +0.003 B. D. -18° 3997 $\alpha = 15^h 6^m$ $\delta = -18^\circ 43'$ 1904 May 28 Ei.Y. 31.26 41.8 W. June 3 Ei.Y. 31.25 41.8 W. 1905 May 19 Ei.Y. 31.21 41.7 E. 1906 Apr. 13 Ei.Y. 31.22 42.1 W. Mean..... 31.235 41.85 Mag. corr..... +0.014 B. D. -19° 4055 $\alpha = 15^h 7^m$ $\delta = -19^\circ 16'$ 1904 Apr. 5 Ei.Y. 37.31 15.6 W. 14 Ei.Y. 37.29 15.4 W. 1905 Apr. 22 Ei.M. 37.27 15.4 E. 1906 Apr. 24 Ei.Y. 37.27 15.5 W. Mean..... 37.285 15.48 Mag. corr..... +0.023 C. P. D. -24° 5475 $\alpha = 15^h 7^m$ $\delta = -24^\circ 55'$ 1904 Apr. 16 Ei.Y. 37.86 55.4 W. 20 Ei.Y. 37.83 55.6 W.	1905 May 24 Ei.Y. 37.82 55.7 E. 1906 Mar. 20 Ei.Y. 37.82 55.5 W. Mean..... 37.832 55.55 Mag. corr..... +0.019 B. D. -22° 3916 $\alpha = 15^h 7^m$ $\delta = -23^\circ 9'$ 1904 Apr. 21 Ei.Y. 56.18 56.3 W. May 4 Ei.Y. 56.26 55.8 W. 1905 June 3 Ei.Y. 56.18 56.2 E. 1906 June 11 Ei.Y. 56.21 55.6 W. Mean..... 56.208 55.98 Mag. corr..... -0.008 B. D. +39° 2845 $\alpha = 15^h 8^m$ $\delta = +39^\circ 2'$ 1905 June 8 Ei.Y. 11.90 46.1 E. 14 Ei.Y. 11.93 46.9 E. 1906 May 21 Ei.Y. 11.91 46.7 W. 29 Ei.Y. 11.91 46.8 W. Mean..... 11.912 46.62 Mag. corr..... -0.007 1 Lupi $\alpha = 15^h 8^m$ $\delta = -31^\circ 8'$ 1905 Mar. 15 Y. 29.70 44.7 E. 27 Br. 29.72 43.9 31 M. 29.73 43.9 May 23 Br. 29.73 43.4 1907 June 15 P. 29.77 44.5 E. 1908 May 12 P. 29.65 44.9 W. June 2 P. 29.66 44.4 4 M. 29.66 44.3 5 P. 29.70 43.8 19 P. 29.71 45.1 W. Mean..... 29.703 44.29 Mag. corr..... 0.000 B. D. -13° 4111 $\alpha = 15^h 8^m$ $\delta = -13^\circ 50'$ 1904 June 8 Ei.Y. 46.79 8.1 W. 11 Ei.Y. 46.72 7.8 W. 1905 June 1 Ei.Y. 46.77 7.9 E. 1906 Apr. 10 Ei.Y. 46.73 7.8 W. Mean..... 46.752 7.90 Mag. corr..... +0.012 B. D. -17° 4283 $\alpha = 15^h 8^m$ $\delta = -18^\circ 3'$ 1904 June 13 Ei.Y. 48.78 16.1 W. 14 Ei.Y. 48.84 16.3 W.
--	---	--	--

1905			1909			1909			B. D. -12° 4227		
Apr. 8	Ei.Y.	48.77 16.2 E.	June 16	L.	-0.68 -0.5 E.	Jan. 18	M.	-0.52 -0.6 W.	$\alpha = 15^h 11^m$		
1906			18 L.	-0.36 -0.1		19 P.	-1.15 -0.6		$\delta = -12^\circ 40'$		
Apr. 2	Ei.Y.	48.73 15.5 W.	19 M.	-1.56 -1.0		20 L.	+0.61 -0.4				
Mean.....		48.780 16.02	21 L.	-1.13 -0.5		21 M.	-0.64 -0.6		1904		
Mag. corr.....		+0.015	23 L.	-1.66 -0.2		22 P.	-0.30 -0.6		Apr. 5	Ei.Y.	18.34 12.4 W.
B. D. -17° 4285			24 M.	-1.52 -0.3		25 M.	-0.86 -0.4		14	Ei.Y.	18.32 12.1 W.
$\alpha = 15^h 8^m$			30 L.	-0.54 -0.2		26 L.	+0.10 0.0		1905		
$\delta = -17^\circ 23'$			July 1 M.	-1.22 -0.3		27 P.	-0.31 -0.4		Apr. 22	Ei.M.	18.25 12.3 E.
1904			3 L.	[-1.22] ...		28 M.	-0.96 -0.0		1906		
May 28	Ei.Y.	55.07 41.9 W.	7 L.	[+0.02] ...		Feb. 6 L.	-0.86 -0.4 W.		Apr. 24	Ei.Y.	18.26 12.4 W.
June 3	Ei.Y.	55.08 41.9 W.	8 M.	[-0.20] [-0.4]		1910			Mean.....		18.292 12.30
1905			9 P.	[-0.87] [-0.3]		Jan. 20 M.	-0.19 -0.9 E.		Mag. corr.....		+0.012
May 22	Ei.Y.	55.07 41.7 E.	10 L.	[-0.38] [0.0]		25 P.	-0.41 -0.2		B. D. -15° 4071		
1906			12 M.	... [0.0]		Feb. 1 M.	-0.64 -0.5		$\alpha = 15^h 11^m$		
Apr. 13	Ei.Y.	55.04 41.6 W.	1910			2 P.	-0.45 -0.6		$\delta = -15^\circ 12'$		
Mean.....		55.065 41.78	Jan. 19 M.	[-0.62] [+0.2]		4 P.	-0.45 +0.2				
Mag. corr.....		+0.020	26 M.	-0.46 -0.1		5 L.	-2.05 +1.1		1904		
57 B. Ursæ Minoris			29 P.	-0.30 -0.8		1911			Apr. 16	Ei.Y.	26.67 31.3 W.
$\alpha = 15^h 9^m 20^s.654$			30 M.	0.00 -0.2		Jan. 28 L.	-1.06 +0.5		20	Ei.Y.	26.61 31.3 W.
$\delta = +87^\circ 37' 4''.28$			Feb. 1 P.	-0.52 -0.3		30 M.	+0.32 -1.4		1905		
1904			7 P.	-1.12 -0.3		Feb. 4 L.	-1.11 +0.5		May 24	Ei.Y.	26.66 31.6 E.
Feb. 8	Br.	+0.02 * -0.9 W.	18 L.	-1.13 -1.3		5 P.	+0.05 +0.1		1906		
22 Br.	+0.01 +1.1		1911			7 P.	-0.60 -0.2		Mar. 20	Ei.Y.	26.69 31.2 W.
24 Br.	-0.32 +0.1		Jan. 27 L.	-0.28 -0.7		10 P.	[-0.84] [-0.2]		Mean.....		26.658 31.35
Mar. 9 M.	-0.33 -0.2		30 P.	-1.44 0.0		13 L.	[-1.08] [-1.0] E.		Mag. corr.....		-0.002
16 R.	-0.12 0.0		Feb. 2 P.	-0.84 +1.1		Mean.....	-0.506 -0.31		δ Boötis		
22 M.	-0.39 +0.3		10 M.	-0.66 -0.3		Mag. corr.....	+0.005		$\alpha = 15^h 11^m 28^s.342$		
23 R.	+0.06 -0.2		12 L.	-1.21 -0.5		3 Serpentis			$\delta = +33^\circ 41' 14''.89$		
28 Br.	-0.72 -0.2		18 P.	+0.50 (-2.4)		$\alpha = 15^h 10^m 13^s.042$			1907		
Apr. 1 M.	-0.31 +0.2		24 L.	-0.35 +0.2 E.		$\delta = +5^\circ 18' 37''.97$			June 5	M.	-0.01 +1.1 E.
4 Br.	-0.10 0.0		Mean.....	-0.580 -0.25		1904			1908		
May 1 M.	-0.47 +0.6		Mag. corr.....	+0.006 [-0.500] [-0.10]		Jan. 24 M.	[-0.04] [+0.3] W.		Feb. 26	M.	-0.09 -0.1
25 Br.	-0.36 +1.2 W.		57 B. Ursæ Minoris s. P.			Feb. 14 M.	+0.07 0.0 W.		Mar. 4	M.	-0.06 +0.2
1905			$\alpha = 15^h 9^m 20^s.654$			1907			20 P.	+0.02 +0.4	
Mar. 10	M.	-1.15 -1.0 E.	$\delta = +87^\circ 37' 4''.28$			May 17	Hl.	+0.02 +1.0 E.	21 Fk.	+0.02 +0.7 E.	
Apr. 18	M.	-1.63 -0.8	1904			June 24	M.	+0.02 +0.6	June 1	Fk.	-0.10 ... W.
May 27	M.	-0.07 -0.6	Sept. 6	M.	-0.67 -0.6 E.	Feb. 24	Hl.	-0.02 +0.5	16 P.	-0.02 +0.9	
June 9	Br.	-0.95 +0.4	7 T.	... +0.4		Mar. 9	Hl.	-0.04 +1.2	17 Fk.	-0.03 +0.5	
16 Br.	+0.09 0.0 E.		11 M.	-1.28 -0.2		10 P.	+0.02 +0.6 E.		18 M.	-0.02 +0.3	
1906			15 M.	-0.14 -0.5		June 6	Fk.	+0.07 -0.2 W.	23 Fk.	-0.06 +0.8 W.	
Feb. 16	Hl.	-0.49 -0.5 W.	21 T.	... +0.5		7 P.	+0.03 +0.6		1909		
19 Br.	-0.50 +0.1		Dec. 12	M.	+0.11 -0.4	27 Fk.	+0.06 +0.2 W.		July 2	P.	-0.07 +0.4 E.
22 Bs.	-0.01 -0.2		18 Br.	-0.08 -0.3		Mean.....	+0.026 +0.50		3 L.	-0.05 0.0 E.	
Mar. 5	Br.	-0.50 -0.6	29 Br.	0.00 -0.8 E.		Mag. corr.....	-0.001		Mean.....		-0.039 +0.47
June 8	Br.	... 0.0	1905			B. D. +35° 2664			Mag. corr.....		-0.003
22 Br.	-0.87 ... W.		Sept. 6	Bs.	-1.21 -0.1 W.	$\alpha = 15^h 10^m$			β Librae		
1907			8 Bs.	-0.79 -0.5		$\delta = +35^\circ 16'$			$\alpha = 15^h 11^m 37^s.434$		
Apr. 29	M.	-1.10 -0.2 E.	12 Hl.	-0.48 -0.3		1905			$\delta = -9^\circ 0' 50''.56$		
May 20	M.	-0.45 -0.8	18 Bs.	-0.79 -0.7		June 8	Ei.Y.	20.99 57.5 E.	1904		
27 P.	-0.33 -0.3		27 Hl.	-0.08 -0.1		14 Ei.Y.	21.00 58.1 E.		Jan. 27	Br.	0.00 +1.2 W.
June 3	M.	-0.62 -0.8	Nov. 23	Hl.	-0.44 -0.3	1906			Mar. 4	R.	+0.04 +0.6
6 P.	-0.24 -0.3		Dec. 12	Br.	-0.18 -1.0	May 21	Ei.Y.	21.04 57.9 W.	4 Ei.Y.	+0.07 +1.4	
14 M.	-0.63 ...		1906			29 Ei.Y.	21.00 58.3 W.		5 Ei.Y.	+0.05 +0.9	
22 P.	-0.31 -0.6		Jan. 9	Br.	+0.48 -0.2	Mean.....	21.008 57.95		7 Ei.Y.	+0.04 +0.1	
27 Hl.	-0.20 -0.4		16 Br.	+0.56 -0.6		Mag. corr.....	-0.001		27 Ei.Y.	-0.01 +1.5	
1908			24 Bs.	-1.34 +0.2		B. D. -21° 4065			June 13	Ei.Y.	+0.06 +1.5
Mar. 13	P.	-0.28 -0.3	29 Bs.	-1.10 0.0		$\alpha = 15^h 10^m$			14 Ei.Y.	+0.07 +1.0 W.	
Apr. 22	Fk.	-0.22 +0.1 E.	31 Bs.	+0.04 -1.6		$\delta = -22^\circ 1'$			1905		
1909			Sept. 20	Hl.	-0.20 -0.7	1904			Feb. 6	Br.	+0.08 +0.4 E.
Jan. 20	M.	[-0.18] [+0.1] W.	24 P.	-0.99 -0.6 W.		June 17	Ei.Y.	35.17 46.5 W.	10 M.	0.00 +1.1	
26 P.	[-0.55] [-0.3]		1907			22 Ei.Y.	35.09 45.1 W.		17 M.	+0.06 +0.6	
Feb. 1	P.	-0.08 +0.2	Sept. 12	Hl.	-0.13 ... E.	1905			Mar. 13	Br.	+0.05 +0.6
2 L.	-1.75 -0.2		15 M.	+0.14 -0.6		May 19	Ei.Y.	35.07 45.3 E.	15 Y.	+0.07 +0.2	
4 P.	-1.11 +0.3		23 Hl.	-0.19 ...		1906			25 Br.	0.00 +1.1	
17 M.	-1.38 -0.3		25 M.	-0.70 -0.3		Apr. 7	Ei.Y.	35.09 46.7 W.	27 Br.	+0.05 +1.0	
19 L.	-0.38 -1.1		27 P.	-0.24 -0.6		Mean.....	35.105 45.90		31 M.	+0.05 +0.7	
20 M.	+0.32 -0.3		30 Hl.	-0.54 +1.0		Mag. corr.....	-0.007		Apr. 8	Ei.Y.	+0.05 +1.2
24 M.	-0.24 -0.5		Oct. 10	Hl.	-0.29 ...	1905			14 Ei.Y.	+0.02 +1.2	
26 L.	-0.92 -0.5		25 Hl.	-0.63 -0.1 E.		June 17	Ei.Y.	35.17 46.5 W.	17 Ei.Y.	+0.06 +0.1	
Apr. 5	P.	-0.20 -0.6	1908			22 Ei.Y.	35.09 45.1 W.		May 19	Ei.Y.	+0.02 +0.1
7 M.	-1.20 -0.7 W.		Aug. 31	P.	-0.98 +0.1 W.	1906			23 Br.	+0.09 +1.0 E.	
June 12	M.	-0.19 -0.9 E.	Sept. 8	Fk.	-1.65 -0.7	1905					
			11 Fk.	-1.06 -0.8 W.		Mean.....	35.105 45.90				
						Mag. corr.....	-0.007				

1905 June 19 Br. -0.01 +0.4 E. 1906 Apr. 2 Ei.Y. -0.02 +1.8 W. 1908 Mar. 27 P. +0.02 ... E. June 11 M. +0.06 ... W. 19 P. -0.02 ... 26 M. +0.02 +0.9 1909 Feb. 2 L. +0.03 -0.9 4 P. +0.05 -0.9 11 P. +0.01 +0.6 18 P. +0.06 -0.6 19 L. +0.06 -0.1 25 P. +0.05 -0.2 Apr. 6 L. +0.08 -0.8 W. June 28 L. ... +0.8 E. 29 M. 0.00 -1.0 July 24 P. [+0.01] [-0.3] Aug. 22 P. [+0.01] [-0.0] 1910 Feb. 7 P. +0.05 -0.3 Mar. 27 M. +0.03 +0.2 28 P. -0.02 -0.1 June 21 L. +0.06 +1.1 23 P. +0.09 +1.1 30 L. +0.07 +1.1 1911 Jan. 23 P. -0.05 +0.5 24 L. +0.09 +1.0 27 L. +0.03 +0.6 Feb. 10 M. +0.04 +0.8 12 L. +0.07 +1.4 20 P. 0.00 +0.6 Mar. 18 P. +0.04 +0.3 E. Mean..... +0.038 +0.56 Mag. corr..... +0.003 B. D. -16° 4049 $\alpha = 15^h 12^m$ $\delta = -16^\circ 49'$ 1904 Apr. 21 Ei.Y. 1.39 42.7 W. May 28 Ei.Y. 1.39 42.0 W. 1905 June 3 Ei.Y. 1.48 42.0 E. 1906 June 11 Ei.Y. 1.44 41.8 W. Mean..... 1.425 42.12 Mag. corr..... -0.013 B. D. -20° 4196 $\alpha = 15^h 12^m$ $\delta = -20^\circ 21'$ 1904 June 8 Ei.Y. 5.89 14.8 W. 11 Ei.Y. 5.85 14.7 W. 1905 June 1 Ei.Y. 5.87 14.7 E. 1906 Apr. 13 Ei.Y. 5.83 14.0 W. Mean..... 5.860 14.55 Mag. corr..... -0.001 B. D. +39° 2858 $\alpha = 15^h 12^m$ $\delta = +39^\circ 9'$ 1905 June 8 Ei.Y. 41.53 29.4 E. 14 Ei.Y. 41.53 29.8 E.	1906 May 21 Ei.Y. 41.48 30.0 W. 29 Ei.Y. 41.49 30.5 W. Mean..... 41.508 29.92 Mag. corr..... -0.003 C. P. D. -23° 6142 (mean) $\alpha = 15^h 13^m$ $\delta = -23^\circ 53'$ 1904 June 13 Ei.Y. 17.25 58.4 W. 14 Ei.Y. 17.27 59.0 W. 1905 June 1 Ei.Y. 17.21 59.3 E. 1906 Apr. 2 Ei.Y. 17.25 58.6 W. Mean..... 17.245 58.82 Mag. corr..... +0.009 1 H. Ursæ Minoris $\alpha = 15^h 13^m 29^s.618$ $\delta = +67^\circ 43' 32''.11$ 1905 June 15 M. +0.01 +0.6 E. 17 Hl. -0.06 +0.7 E. 1906 Mar. 22 Br. +0.06 -0.2 W. 1907 June 3 M. 0.00 -0.2 E. 8 P. -0.31 -0.2 15 P. -0.06 +0.7 1908 Feb. 24 Hl. -0.06 +0.4 E. May 12 P. +0.06 +0.5 W. June 2 P. +0.03 +0.3 4 M. -0.11 +1.2 5 P. -0.05 +0.5 W. Mean..... -0.045 +0.39 Mag. corr..... 0.000 1 H. Ursæ Minoris s. p. $\alpha = 15^h 13^m 29^s.636$ $\delta = +67^\circ 43' 31''.92$ 1905 Nov. 25 Ba. -0.16 +1.3 W. Dec. 11 Hl. +0.05 -0.4 W. 1907 Sept. 6 M. -0.08 +0.2 E. Oct. 25 Hl. +0.02 +2.2 1908 Jan. 15 M. -0.12 +0.1 17 P.M. -0.03 0.0 18 M.P. -0.23 +0.6 E. Sept. 3 P. +0.05 0.0 W. 7 P. -0.12 +0.8 8 Fk. 0.00 +0.2 1909 Jan. 19 P. -0.12 +0.4 W. Mean..... -0.067 +0.49 Mag. corr..... -0.001 B. D. -19° 4076 $\alpha = 15^h 14^m$ $\delta = -19^\circ 11'$ 1904 May 28 Ei.Y. 7.84 11.4 W. June 3 Ei.Y. 7.83 12.2 W. 1905 May 22 Ei.Y. 7.82 12.6 E. 1906 Apr. 13 Ei.Y. 7.80 12.0 W. Mean..... 7.822 12.05 Mag. corr..... +0.012	B. D. -12° 4238 $\alpha = 15^h 14^m$ $\delta = -12^\circ 49'$ 1904 June 17 Ei.Y. 38.72 42.8 W. 22 Ei.Y. 38.71 41.9 W. 1905 Apr. 17 Ei.Y. 38.70 43.6 E. 1906 Apr. 7 Ei.Y. 38.74 43.8 W. Mean..... 38.718 43.02 Mag. corr..... -0.001 C. P. D. -25° 5606 $\alpha = 15^h 14^m$ $\delta = -25^\circ 37'$ 1904 Apr. 5 Ei.Y. 45.26 26.0 W. 14 Ei.Y. 45.24 26.2 W. 1905 Apr. 22 Ei.M. 45.20 26.5 E. 1906 Apr. 24 Ei.Y. 45.19 26.8 W. Mean..... 45.222 26.38 Mag. corr..... +0.009 B. D. +40° 2870 $\alpha = 15^h 14^m$ $\delta = +39^\circ 58'$ 1905 June 8 Ei.Y. 54.48 26.2 E. 14 Ei.Y. 54.47 27.6 E. 1906 May 21 Ei.Y. 54.45 27.2 W. 29 Ei.Y. 54.40 27.1 W. Mean..... 54.450 27.02 Mag. corr..... -0.005 B. D. -17° 4312 $\alpha = 15^h 15^m$ $\delta = -17^\circ 47'$ 1904 Apr. 16 Ei.Y. 13.40 42.6 W. 20 Ei.Y. 13.40 43.3 W. 1905 May 24 Ei.Y. 13.44 43.3 E. 1906 Mar. 20 Ei.Y. 13.44 43.5 W. Mean..... 13.420 43.18 Mag. corr..... -0.013 B. D. -15° 4083 $\alpha = 15^h 15^m$ $\delta = -15^\circ 11'$ 1904 Apr. 21 Ei.Y. 25.85 15.6 W. June 3 Ei.Y. 25.93 15.2 W. 1905 June 3 Ei.Y. 25.90 15.3 E. 1906 June 11 Ei.Y. 25.88 14.9 W. Mean..... 25.890 15.25 Mag. corr..... -0.012 B. D. -22° 3938 $\alpha = 15^h 16^m$ $\delta = -22^\circ 37'$ 1904 June 8 Ei.Y. 33.17 4.3 W. 11 Ei.Y. 33.17 4.0 W.	1905 June 1 Ei.Y. 33.21 3.8 E. 1906 Apr. 10 Ei.Y. 33.13 3.5 W. Mean..... 33.170 3.90 Mag. corr..... -0.008 o ² Libræ $\alpha = 15^h 17^m 27^s.051$ $\delta = -14^\circ 46' 37''.76$ 1904 Mar. 8 R. +0.03 +1.1 W. June 13 Ei.Y. +0.05 +0.9 14 Ei.Y. -0.02 +0.8 15 M. +0.07 +0.9 W. 1905 Feb. 9 Br. +0.10 +0.5 E. 23 Br. +0.02 +0.6 24 M. 0.00 +0.9 Mar. 1 Y. +0.03 +1.7 29 Y. -0.01 +0.5 Apr. 8 Ei.Y. +0.03 +1.6 E. 1906 Feb. 19 Br. +0.01 +0.4 W. 22 Ba. +0.07 +0.9 Mar. 5 Br. +0.09 +1.6 Apr. 2 Ei.Y. -0.01 +1.5 W. Mean..... +0.033 +0.99 Mag. corr..... +0.014 B. D. -16° 4070 $\alpha = 15^h 17^m$ $\delta = -16^\circ 12'$ 1904 May 28 Ei.Y. 53.41 23.6 W. June 3 Ei.Y. 53.37 24.3 W. 1905 May 22 Ei.Y. 53.45 23.9 E. 1906 Apr. 13 Ei.Y. 53.39 23.5 W. Mean..... 53.405 23.82 Mag. corr..... +0.005 B. D. -11° 3940 $\alpha = 15^h 18^m$ $\delta = -12^\circ 0'$ 1904 June 17 Ei.Y. 22.93 45.0 W. 22 Ei.Y. 22.93 44.4 W. 1905 Apr. 17 Ei.Y. 22.93 45.7 E. 1906 Apr. 7 Ei.Y. 22.92 45.9 W. Mean..... 22.928 45.25 Mag. corr..... -0.008 B. D. -20° 4224 $\alpha = 15^h 18^m$ $\delta = -20^\circ 29'$ 1904 Apr. 5 Ei.Y. 24.30 13.4 W. 14 Ei.Y. 24.31 13.2 W. 1905 Apr. 22 Ei.M. 24.28 13.6 E. 1906 Apr. 24 Ei.Y. 24.33 13.2 W. Mean..... 24.305 13.35 Mag. corr..... -0.007
--	--	--	---

B. D. -13° 4152			1904			1906			1905		
$\alpha = 15^h 18^m$			s			s			s		
$\delta = -13^\circ 57'$			Feb. 14 M.			Mar. 17 Bs.			Jan. 30 Y.		
1904			+0.02 +0.1 W.			-0.04 0.0 W.			-0.38 +1.2 E.		
Apr. 16 Ei.Y.			22 Br.			22 Br.			1906		
31.76 13.2 W.			+0.03 +0.6			0.00 -0.9			Jan. 29 Bs.		
1905			24 Br.			1908			-0.02 +0.3 W.		
20 Ei.Y.			+0.05 +0.6			June 6 Fk.			31 Bs.		
31.77 14.3 W.			Mar. 3 M.			+0.04 0.0 W.			+0.04 +0.2		
1906			4 R.			Mean.....			Sept. 20 Hl.		
May 24 Ei.Y.			+0.07 +0.6			-0.008 -0.36			+0.06 0.0		
31.80 13.5 E.			9 M.			Mag. corr.....			24 P.		
1906			+0.05 0.0			+0.006			-0.04 -0.2 W.		
Mar. 20 Ei.Y.			16 R.			B. D. +37° 2637 (mean)			1907		
31.80 14.0 W.			18 M.			$\alpha = 15^h 20^m$			Sept. 24 P.		
Mean.....			22 M.			$\delta = +37^\circ 41'$			-0.18 +0.5 E.		
Mag. corr.....			29 M.			1906			1908		
+0.003			Apr. 1 M.			s			Jan. 17 P. M.		
C. P. D. -25° 5616			May 1 M.			May 21 Ei.Y.			-0.10 +0.4		
$\alpha = 15^h 18^m$			0.00 -0.2 W.			43.99 54.0 W.			1909		
$\delta = -25^\circ 18'$			1907			29 Ei.Y.			Aug. 1 L.		
1904			May 17 Hl.			44.02 54.2 W.			5 P.		
Apr. 21 Ei.Y.			+0.02 +1.0 E.			Mean.....			[+0.07] [+0.6]		
31.76 13.2 W.			-0.02 +0.6			44.005 54.10			[+0.17] [+0.8]		
1905			15 P.			Mag. corr.....			6 L.		
June 3 Ei.Y.			+0.01 0.0			γ^2 Ursæ Minoris			[+0.15] [+0.6]		
43.15 43.6 E.			20 P.			$\alpha = 15^h 20^m 53^s.090$			7 P.		
1906			23 P.			$\delta = +72^\circ 11' 23''.45$			[+0.17] [+0.4]		
June 11 Ei.Y.			-0.03 +1.0 E.			1904			19 L.		
43.09 42.1 W.			Mean.....			s			[+0.13] [+0.9]		
Mean.....			+0.023 +0.18			May 25 Br.			24 P.		
Mag. corr.....			+0.001			-0.06 +0.2 W.			+0.12 0.0		
B. D. -21° 4103			B. D. -21° 41'			1905			25 L.		
$\alpha = 15^h 19^m$			$\delta = -21^\circ 41'$			Mar. 31 M.			+0.06 +1.2		
1904			1904			1907			-0.05 +0.4		
Apr. 21 Ei.Y.			s			June 5 M.			1910		
31.76 13.2 W.			8.96 20.3 W.			8 P.			Feb. 1 M.		
1905			9.00 20.9 W.			-0.43 -0.7			-0.14 +0.9		
June 3 Ei.Y.			1905			1908			4 P.		
43.15 43.6 E.			May 22 Ei.Y.			Feb. 24 Hl.			-0.01 +1.6		
1906			9.00 21.2 E.			Mar. 9 Hl.			5 L.		
June 11 Ei.Y.			Apr. 13 Ei.Y.			-0.22 +0.2 E.			-0.16 +1.2		
43.09 42.1 W.			8.96 20.5 W.			May 12 P.			16 P.		
Mean.....			Mean.....			-0.02 +0.1 W.			[+0.25] [+0.4]		
Mag. corr.....			+0.003			June 1 Fk.			18 P.		
B. D. -18° 4061			B. D. -18° 9'			-0.29 -0.1			[+0.22] [+1.1]		
$\alpha = 15^h 20^m$			$\delta = -18^\circ 9'$			2 P.			19 L.		
1904			1904			-0.17 +0.1			[+0.16] [+0.1]		
Apr. 21 Ei.Y.			s			4 M.			1911		
31.76 13.2 W.			June 17 Ei.Y.			1909			Jan. 28 L.		
1905			10.59 48.7 W.			Aug. 2 L.			-0.22 +1.0		
June 3 Ei.Y.			10.57 47.4 W.			[+0.22] [+0.5] E.			30 M.		
43.15 43.6 E.			1905			4 L.			+0.21 -1.1		
1906			Apr. 17 Ei.Y.			[+0.37] [+0.2]			Feb. 7 P.		
June 11 Ei.Y.			10.57 49.7 E.			7 P.			-0.09 +0.3		
43.09 42.1 W.			1906			[+0.04] [+0.2]			10 P.		
Mean.....			Apr. 7 Ei.Y.			[+0.09] [0.0]			-0.24 +1.2		
Mag. corr.....			10.59 49.3 W.			[+0.14] [+0.6]			13 L.		
0.000			Mean.....			[+0.12] [+0.5]			[+0.23] [+0.6] E.		
B. D. +35° 2681			B. D. -20° 4233			[+0.21] [+0.8]			Mean.....		
$\alpha = 15^h 18^m$			$\alpha = 15^h 20^m$			[+0.12] [+0.5]			-0.078 +0.50		
$\delta = +35^\circ 45'$			$\delta = -21^\circ 1'$			[+0.30] [+0.1]			Mag. corr.....		
1905			1904			1910			0.000		
June 8 Ei.Y.			s			Jan. 26 M.			[-0.069][+0.58]		
50.09 1.6 E.			Apr. 5 Ei.Y.			-0.08 +0.1			B. D. -19° 4106		
1906			18.14 42.5 W.			-0.01 +0.4			$\alpha = 15^h 21^m$		
May 21 Ei.Y.			14 Ei.Y.			-0.10 0.0			$\delta = -19^\circ 39'$		
50.07 2.2 W.			1905			0.00 +0.9			1904		
1906			Apr. 22 Ei.M.			-0.14 -0.4			Apr. 16 Ei.Y.		
29 Ei.Y.			18.13 42.6 E.			1911			5.45 15.2 W.		
50.08 2.4 W.			1906			Jan. 30 P.			20 Ei.Y.		
Mean.....			Apr. 24 Ei.Y.			-0.34 -0.2			5.42 16.0 W.		
-0.007			Mean.....			Feb. 2 P.			1905		
B. D. -22° 3949			+0.010			10 M.			May 24 Ei.Y.		
$\alpha = 15^h 18^m$			18.138 42.80			12 L.			5.50 15.8 E.		
$\delta = -23^\circ 9'$			1905			20 P.			1906		
1904			1904			-0.13 -0.3 E.			Mar. 20 Ei.Y.		
June 13 Ei.Y.			s			Mean.....			5.51 16.6 W.		
58.94 13.8 W.			Apr. 5 Ei.Y.			-0.161 +0.01			Mean.....		
1905			18.14 43.2 W.			0.000			5.470 15.90		
Apr. 8 Ei.Y.			1905			[-0.180][+0.09]			Mag. corr.....		
58.93 13.6 E.			Apr. 22 Ei.M.			1911			+0.012		
1906			18.13 42.6 E.			Jan. 30 P.			B. D. -19° 4106		
Apr. 2 Ei.Y.			1906			Feb. 2 P.			$\alpha = 15^h 21^m$		
58.91 13.2 W.			Apr. 24 Ei.Y.			10 M.			$\delta = -19^\circ 39'$		
Mean.....			Mean.....			12 L.			1904		
-0.008			+0.010			20 P.			Apr. 16 Ei.Y.		
μ Boötis			1905			24 L.			5.45 15.2 W.		
$\alpha = 15^h 20^m 42^s.698$			1904			Mean.....			20 Ei.Y.		
$\delta = +37^\circ 43' 40''.48$			Feb. 6 Br.			-0.161 +0.01			5.42 16.0 W.		
1904			Mar. 13 Br.			0.000			1905		
Jan. 24 M.			15 Y.			[-0.180][+0.09]			May 24 Ei.Y.		
Feb. 8 Br.			25 Br.			1911			5.50 15.8 E.		
+0.03 +0.4 W.			27 Br.			Jan. 30 P.			1906		
			-0.01 -0.1 E.			Feb. 2 P.			Mar. 20 Ei.Y.		
			1906			10 M.			5.51 16.6 W.		
			Feb. 23 Hl.			12 L.			Mean.....		
			+0.02 -1.5 W.			20 P.			5.470 15.90		
						24 L.			Mag. corr.....		
						Mean.....			+0.012		
						-0.161 +0.01			B. D. -19° 4106		
						0.000			$\alpha = 15^h 21^m$		
						[-0.180][+0.09]			$\delta = -19^\circ 39'$		
						1911			1904		
						Jan. 30 P.			Apr. 16 Ei.Y.		
						Feb. 2 P.			5.45 15.2 W.		
						10 M.			20 Ei.Y.		
						12 L.			5.42 16.0 W.		
						20 P.			1905		
						24 L.			May 24 Ei.Y.		
						Mean.....			5.50 15.8 E.		
						-0.161 +0.01			1906		
						0.000			Mar. 20 Ei.Y.		
						[-0.180][+0.09]			5.51 16.6 W.		
						1911			Mean.....		
						Jan. 30 P.			5.470 15.90		
						Feb. 2 P.			Mag. corr.....		
						10 M.			+0.012		
						12 L.			B. D. -19° 4106		
						20 P.			$\alpha = 15^h 21^m$		
						24 L.			$\delta = -19^\circ 39'$		
						Mean.....			1904		
						-0.161 +0.01			Apr. 16 Ei.Y.		
						0.000			5.45 15.2 W.		
						[-0.180][+0.09]			20 Ei.Y.		
						1911			5.42 16.0 W.		
						Jan. 30 P.			1905		
						Feb. 2 P.			May 24 Ei.Y.		
						10 M.			5.50 15.8 E.		
						12 L.			1906		
						20 P.			Mar. 20 Ei.Y.		
						24 L.			5.51 16.6 W.		
						Mean.....			Mean.....		
						-0.161 +0.01			5.470 15.90		
						0.000			Mag. corr.....		
						[-0.180][+0.09]			+0.012		
						1911			B. D. -19° 4106		
						Jan. 30 P.			$\alpha = 15^h 21^m$		
						Feb. 2 P.			$\delta = -19^\circ 39'$		
						10 M.			1904		
						12 L.			Apr. 16 Ei.Y.		
						20 P.			5.45 15.2 W.		
						24 L.			20 Ei.Y.		
						Mean.....			5.42 16.0 W.		
						-0.161 +0.01			1905		
						0.000			May 24 Ei.Y.		
						[-0.180][+0.09]			5.50 15.8 E.		
						1911			1906		
						Jan. 30 P.			Mar. 20 Ei.Y.		
						Feb. 2 P.			5.51 16.6 W.		
						10 M.			Mean.....		
						12 L.			5.470 15.90		
						20 P.			Mag. corr.....		
						24 L.			+0.012		
						Mean.....			B. D. -19° 4106		
						-0.161 +0.01			$\alpha = 15^h 21^m$		
						0.000			$\delta = -19^\circ 39'$		
						[-0.180][+0.09]			1904		
						1911			Apr. 16 Ei.Y.		
						Jan. 30 P.			5.45 15.2 W.		
						Feb. 2 P.			20 Ei.Y.		
						10 M.			5.42 16.0 W.		
						12 L.			1905		
						20 P.			May 24 Ei.Y.		
						24 L.			5.50 15.8 E.		
						Mean.....			1906		
						-0.161 +0.01			Mar. 20 Ei.Y.		
						0.000			5.51 16.6 W.		
						[-0.180][+0.09]			Mean.....		
						1911			5.470 15.90		
						Jan. 30 P.			Mag. corr.....		
						Feb. 2 P.			+0.012		
						10 M.			B. D. -19° 4106		
						12 L.			$\alpha = 15^h 21^m$		
						20 P.			$\delta = -19^\circ 39'$		
						24 L.			1904		
						Mean.....			Apr. 16 Ei.Y.		
						-0.161 +0.01			5.45 15.2 W.		
						0.000			20 Ei.Y.		
						[-0.180][+0.09]			5.42 16.0 W.		
						1911			1905		
						Jan. 30 P.			May 24 Ei.Y.		
						Feb. 2 P.			5.50 15.8 E.		
						10 M.			1906		
						12 L.			Mar. 20 Ei.Y.		
						20 P.			5.51 16.6 W.		
						24 L.			Mean.....		
						Mean.....			5.470 15.90		
						-0.161 +0.01			Mag. corr.....		
						0.000			+0.012		
						[-0.180][+0.09]			B. D. -19° 4106		
						1911			$\alpha = 15^h 21^m$		
						Jan. 30 P.			$\delta = -19^\circ 39'$		
						Feb. 2 P.			1904		
						10 M.			Apr. 16 Ei.Y.		
						12 L.			5.45 15.2 W.		
						20 P.			20 Ei.Y.		
						24 L.			5.42 16.0 W.		
						Mean.....			1905		
						-0.161 +0.01			May 24 Ei.Y.		
						0.000			5.50 15.8 E.		
						[-0.180][+0.09]			1906		
						1911			Mar. 20 Ei.Y.		
						Jan. 30 P.			5.51 16.6 W.		
						Feb. 2 P.			Mean.....		
						10 M.			5.470 15.90		
						12 L.			Mag. corr.....		
						20 P.			+0.012		
						24 L.			B. D. -19° 4106		
						Mean.....			$\alpha = 15^h 21^m$		
						-0.161 +0.01			$\delta = -19^\circ 39'$		
						0.000			1904		
						[-0.180][+0.09]			Apr. 16 Ei.Y.		
						1911			5.45 15.2 W.		
						Jan. 30 P.			20 Ei.Y.		
						Feb. 2 P.			5.42 16.0 W.		
						10 M.			1905		
						12 L.			May 24 Ei.Y.		
						20 P.			5.50 15.8 E.		
						24 L.			1906		
						Mean.....			Mar. 20 Ei.Y.		
						-0.161 +0.01			5.51 16.6 W.		
						0.000			Mean.....		
						[-0.180][+0.09]			5.470 15.90		
						1911			Mag. corr.....		
						Jan. 30 P.			+0.012		
						Feb. 2 P.			B. D. -19° 4106		
						10 M.			$\alpha = 15^$		

B. D. -14° 4208				1911				1907				B. D. +36° 2610			
$\alpha = 15^h 22^m$ $\delta = -14^\circ 36'$				s "				s "				$\alpha = 15^h 25^m$ $\delta = +36^\circ 25'$			
1904				Feb. 18 P.				June 8 P.				1905			
Apr. 21 Ei.Y.				20 P.				14 M.				June 8 Ei.Y.			
May 28 Ei.Y.				23 P.				15 P.				14 Ei.Y.			
1905				24 L.				20 P.				1906			
June 3 Ei.Y.				Mar. 18 P.				21 M.				May 21 Ei.Y.			
1906				Mean.....				1908				29 Ei.Y.			
June 11 Ei.Y.				Mag. corr.....				Feb. 21 P.				Mean.....			
Mean.....				+0.040 +0.80				26 M.				43.612 13.52			
Mag. corr.....				-0.006				Mar. 13 P.				Mag. corr.....			
32 Libræ				i Draconis				24 P.				B. D. -19° 4128			
$\alpha = 15^h 22^m 36^s.936$ $\delta = -16^\circ 22' 4''.76$				$\alpha = 15^h 22^m 42^s.350$ $\delta = +59^\circ 18' 58''.62$				June 11 M.				$\alpha = 15^h 25^m$ $\delta = -19^\circ 49'$			
1904				1905				1909				1904			
Mar. 8 R.				May 27 M.				Feb. 4 P.				June 18 Ei.Y.			
Apr. 5 Ei.Y.				June 9 Br.				11 P.				23 Ei.Y.			
14 Ei.Y.				15 M.				Apr. 6 L.				1905			
May 11 Ei.Y.				16 Br.				June 29 M.				Apr. 22 Ei.M.			
12 Ei.Y.				1908				2 P.				1906			
29 R.				Mar. 10 P.				3 L.				Apr. 24 Ei.Y.			
June 8 Ei.Y.				May 12 P.				7 L.				Mean.....			
11 Ei.Y.				June 13 Fk.				8 M.				Mag. corr.....			
13 Ei.Y.				16 P.				9 P.				B. D. -17° 4356			
14 Ei.Y.				17 Fk.				10 L.				$\alpha = 15^h 26^m$ $\delta = -18^\circ 8'$			
17 Ei.Y.				18 M.				June 22 P.				1904			
18 Ei.Y.				Mean.....				30 L.				Apr. 16 Ei.Y.			
22 Ei.Y.				Mag. corr.....				Mean.....				20 Ei.Y.			
23 Ei.Y.				B. D. +37° 2643				Mag. corr.....				1905			
1905				$\alpha = 15^h 23^m$ $\delta = +37^\circ 38'$				B. D. -16° 4093				May 24 Ei.Y.			
Apr. 8 Ei.Y.				1905				$\alpha = 15^h 23^m$ $\delta = -17^\circ 5'$				1906			
14 Ei.Y.				June 8 Ei.Y.				1904				Mar. 20 Ei.Y.			
17 Ei.Y.				14 Ei.Y.				June 13 Ei.Y.				Mean.....			
May 22 Ei.Y.				May 21 Ei.Y.				14 Ei.Y.				Mag. corr.....			
24 Ei.Y.				29 Ei.Y.				1905				B. D. -21° 4135			
June 1 Ei.Y.				Mean.....				Apr. 14 Ei.Y.				$\alpha = 15^h 26^m$ $\delta = -21^\circ 37'$			
19 Br.				2.540 41.35				1906				1904			
1906				Mag. corr.....				Apr. 2 Ei.Y.				Apr. 21 Ei.Y.			
Feb. 19 Br.				-0.006				Mean.....				May 11 Ei.Y.			
22 Bs.				-0.006				55.218 44.22				1905			
Mar. 5 Br.				-0.006				Mag. corr.....				June 3 Ei.Y.			
Apr. 2 Ei.Y.				-0.006				B. D. -20° 4246				1906			
10 Ei.Y.				-0.006				$\alpha = 15^h 24^m$ $\delta = -20^\circ 23'$				June 11 Ei.Y.			
24 Ei.Y.				-0.006				1904				Mean.....			
1907				-0.006				May 28 Ei.Y.				20.760 32.25			
June 23 P.				-0.006				June 3 Ei.Y.				Mag. corr.....			
24 M.				-0.006				1905				B. D. -19° 4135			
27 Hl.				-0.006				May 22 Ei.Y.				$\alpha = 15^h 26^m$ $\delta = -19^\circ 19'$			
1908				-0.006				Apr. 13 Ei.Y.				1904			
Feb. 21 P.				-0.006				Mean.....				June 8 Ei.Y.			
Mar. 13 P.				-0.006				49.385 3.15				11 Ei.Y.			
27 P.				-0.006				B. D. -16° 4099				Mean.....			
Apr. 3 P.				-0.006				$\alpha = 15^h 25^m$ $\delta = -16^\circ 15'$				Mag. corr.....			
6 Fk.				-0.006				1904				C. P. D. -25° 5620			
June 11 M.				-0.006				May 17 Ei.Y.				$\alpha = 15^h 27^m$ $\delta = -25^\circ 27'$			
14 P.				-0.006				June 22 Ei.Y.				1904			
20 Fk.				-0.006				1.88 58.3 W.				June 13 Ei.Y.			
23 Fk.				-0.006				1.87 57.2 W.				14 Ei.Y.			
29 M.				-0.006				1905				Mean.....			
1909				-0.006				June 1 Ei.Y.				51.995 47.70			
July 3 L.				-0.006				1.86 58.6 E.				Mag. corr.....			
7 L.				-0.006				1906				B. D. -19° 4135			
24 P.				-0.006				Apr. 7 Ei.Y.				$\alpha = 15^h 26^m$ $\delta = -19^\circ 19'$			
25 P.				-0.006				Mean.....				1904			
1910				-0.006				1.84 59.4 W.				June 8 Ei.Y.			
Feb. 3 P.				-0.006				Mag. corr.....				11 Ei.Y.			
7 P.				-0.006				1.862 58.38				Mean.....			
Mar. 28 P.				-0.006				-0.009				Mag. corr.....			
June 21 L.				-0.006				B. D. -16° 4099				C. P. D. -25° 5620			
1911				-0.006				$\alpha = 15^h 25^m$ $\delta = -16^\circ 15'$				$\alpha = 15^h 27^m$ $\delta = -25^\circ 27'$			
Jan. 30 P.				-0.006				1904				1904			
Feb. 2 P.				-0.006				May 17 Ei.Y.				June 13 Ei.Y.			
10 M.				-0.006				June 22 Ei.Y.				14 Ei.Y.			
12 L.				-0.006				1.88 58.3 W.				Mean.....			
				-0.006				1.87 57.2 W.				Mag. corr.....			
				-0.006				1905				B. D. -19° 4135			
				-0.006				June 1 Ei.Y.				$\alpha = 15^h 26^m$ $\delta = -19^\circ 19'$			
				-0.006				1.86 58.6 E.				1904			
				-0.006				1906				June 8 Ei.Y.			
				-0.006				Apr. 7 Ei.Y.				11 Ei.Y.			
				-0.006				Mean.....				Mean.....			
				-0.006				1.84 59.4 W.				Mag. corr.....			
				-0.006				Mag. corr.....				B. D. -19° 4135			
				-0.006				-0.009				$\alpha = 15^h 26^m$ $\delta = -19^\circ 19'$			
				-0.006				B. D. -16° 4099				$\alpha = 15^h 27^m$ $\delta = -25^\circ 27'$			
				-0.006				$\alpha = 15^h 25^m$ $\delta = -16^\circ 15'$				1904			
				-0.006				1904				June 13 Ei.Y.			
				-0.006				May 17 Ei.Y.				14 Ei.Y.			
				-0.006				June 22 Ei.Y.				Mean.....			
				-0.006				1.88 58.3 W.				Mag. corr.....			
				-0.006				1.87 57.2 W.				B. D. -19° 4135			
				-0.006				1905				$\alpha = 15^h 26^m$ $\delta = -19^\circ 19'$			
				-0.006				June 1 Ei.Y.				1904			
				-0.006				1.86 58.6 E.				June 8 Ei.Y.			
				-0.006				1906				11 Ei.Y.			
				-0.006				Apr. 7 Ei.Y.				Mean.....			
				-0.006				Mean.....				Mag. corr.....			
				-0.006				1.84 59.4 W.				C. P. D. -25° 5620			
				-0.006				Mag. corr.....				$\alpha = 15^h 27^m$ $\delta = -25^\circ 27'$			
				-0.006				-0.009				1904			
				-0.006				B. D. -16° 4099				June 13 Ei.Y.			
				-0.006				$\alpha = 15^h 25^m$ $\delta = -16^\circ 15'$				14 Ei.Y.			
				-0.006				1904				Mean.....			
				-0.006				May 17 Ei.Y.				Mag. corr.....			
				-0.006				June 22 Ei.Y.				B. D. -19° 4135			
				-0.006				1.88 58.3 W.				$\alpha = 15^h 26^m$ $\delta = -19^\circ 19'$			
				-0.006				1.87 57.2 W.				1904			
				-0.006				1905				June 8 Ei.Y.			
				-0.006				June 1 Ei.Y.				11 Ei.Y.			
				-0.006				1.86 58.6 E.				Mean.....			
				-0.006				1906				Mag. corr.....			
				-0.006				Apr. 7 Ei.Y.				C. P. D. -25° 5620			
				-0.006				Mean.....				$\alpha = 15^h 27^m$ $\delta = -25^\circ 27'$			
				-0.006				1.84 59.4 W.				1904			
				-0.006				Mag. corr.....				June 13 Ei.Y.			
				-0.006				-0.009				14 Ei.Y.			
				-0.006				B. D. -16° 4099				Mean.....			
				-0.006				$\alpha = 15^h 25^m$ $\delta = -16^\circ 15'$				Mag. corr.....			
				-0.006				1904				B. D. -19° 4135			
				-0.006				May 17 Ei.Y.				$\alpha = 15^h 26^m$ $\delta = -19^\circ 19'$			
				-0.006				June 22 Ei.Y.				1904			
				-0.006				1.88 58.3 W.				June 8 Ei.Y.			
				-0.006				1.87 57.2 W.				11 Ei.Y.			
				-0.006				1905				Mean.....			
				-0.006				June 1 Ei.Y.				Mag. corr.....			
				-0.006				1.86 58.6 E.				C. P. D. -25° 5620			
				-0.006				1906				$\alpha = 15^h 27^m$ $\delta = -25^\circ 27'$			
				-0.006				Apr. 7 Ei.Y.				1904			
				-0.006				Mean.....				June 13 Ei.Y.			
				-0.006				1.84 59.4 W.				14 Ei.Y.			
				-0.006				Mag. corr.....				Mean.....			
				-0.006				-0.009				Mag. corr.....			
				-0.006				B. D. -16° 4099				B. D. -19° 4135			
				-0.006				$\alpha = 15^h 25^m$ $\delta = -16^\circ 15'$				$\alpha = 15^h 26^m$ $\delta = -21^\circ 37'$			
				-0.006				1904				1904			
				-0.006				May 17 Ei.Y.				Apr. 16 Ei.Y.			
				-0.006				June 22 Ei.Y.				20 Ei.Y.			
				-0.006				1.88 58.3 W.				16.09 43.2 W.			
				-0.006				1.87 57.2 W.				16.12 43.2 W.			
				-0.006				1905				1905			
				-0.006				June 3 Ei.Y.				May 24 Ei.Y.			
				-0.006				20.81 32.5 E.				16.08 43.0 E.			
				-0.006				1906				1906			
				-0.006				June 11 Ei.Y.				Mar. 20 Ei.Y.			
				-0.006				20.66 31.9 W.				16.13 43.4 W.			
				-0.006				Mean.....				Mean.....			
				-0.006				20.760 32.25				16.105 43.20			
				-0.006				Mag. corr.....				Mag. corr.....			
				-0.006				+0.012				-0.008			
				-0.006				B. D. -21° 4135				B. D. -21° 4135			
				-0.006				$\alpha = 15^h 26^m$ $\delta = -21^\circ 37'$				$\alpha = 15^h 26^m$ $\delta = -21^\circ 37'$			
				-0.006				1904				1904			
				-0.006				Apr. 21 Ei.Y.				Apr. 21 Ei.Y.			
				-0.006				20.81 32.6 W.				20.81 32.5 E.			
				-0.006				May 11 Ei.Y.				June 11 Ei.Y.			
				-0.006				20.76 32.0 W.				20.66 31.9 W.			
				-0.006				1905				1905			
				-0.006				June 3 Ei.Y.				June 3 Ei.Y.			
				-0.006				20.81 32.5 E.				20.81 32.5 E.			
				-0.006				1906				1906			
				-0.006				June 11 Ei.Y.				June 11 Ei.Y.			
				-0.006				20.66 31.9 W.				20.66 31.9 W.			
				-0.006				Mean.....				Mean.....			
				-0.006				20.760 32.25				20.760 32.25			
				-0.006				Mag. corr.....				Mag. corr.....			
				-0.006				+0.012				+0.012			
				-0.006				B. D. -19° 4135				B. D. -19° 4135			
				-0.006				$\alpha = 15^h 26^m$ $\delta = -19^\circ 19'$				$\alpha = 15^h 26^m$ $\delta = -19^\circ 19'$			
				-0.006				1904				1904			
				-0.006				Apr. 8 Ei.Y.				Apr. 8 Ei.Y.			
				-0.006				52.00 48.1 W.				52.00 48.1 W.			
				-0.006				11 Ei.Y.				11 Ei.Y.			
				-0.006				52.02 47.7 W.				52.02 47.7 W.			
				-0.006				1905				1905			
				-0.006				June 1 Ei.Y.				June 1 Ei.Y.			
				-0.006				52.00 47.8 E.				52.00 47.8 E.			
				-0.006				1906				1906			
				-0.006				Apr. 10 Ei.Y.				Apr. 10 Ei.Y.			
				-0.006				51.96 47.2 W.				51.96 47.2 W.			
				-0.006				Mean.....				Mean.....			
				-0.006				51.995 47.70				51.995 47.70			
				-0.006				Mag. corr.....				Mag. corr.....			
				-0.006				-0.005				-0.005			
				-0.006				C. P. D. -25° 5620				C. P. D. -25° 5620			
				-0.006				$\alpha = 15^h 27^m$ $\delta = -25^\circ 27'$				$\alpha = 15^h 27^m$ $\delta = -25^\circ 27'$			
				-0.006				1904				1904			
				-0.006				June 13 Ei.Y.				June 13 Ei.Y.			
				-0.006				9.62 38.4 W.				9.62 38.4 W.			
				-0.006				14 Ei.Y.				14 Ei.Y.			
				-0.006				9.54 38.8 W.				9.54 38.8 W.			

1905			1905			γ Libræ			1911		
Apr. 14	Ei.Y.	9.58 38.2 E.	May 24	Ei.Y.	43.73 28.9 E.	$\alpha = 15^h 29^m 55^s.913$			Feb. 18	P.	+0.01 +0.2 E.
1906			1906			$\delta = -14^\circ 27' 21''.40$			20	P.	-0.04 +0.1
Apr. 2	Ei.Y.	9.62 38.7 W.	Mar. 20	Ei.Y.	43.71 29.4 W.				23	P.	+0.02 -0.7
Mean.....		9.590 38.52	Mean.....		43.740 29.10				24	L.	+0.10 -0.6
Mag. corr.....		+0.006	Mag. corr.....		+0.005				Mar. 18	P.	-0.04 +0.2 E.
C. P. D. $-24^\circ 55'26''$ (fol.)			B. D. $+36^\circ 26'14''$			1904			Mean..... 0.000 +0.19		
$\alpha = 15^h 27^m$			$\alpha = 15^h 28^m$			Feb. 8	Br.	-0.02 +1.1 W.	Mag. corr..... +0.009		
$\delta = -24^\circ 9'$			$\delta = +36^\circ 4'$			14	M.	-0.02 -0.1	α Coronæ Borealis		
1904			1905			22	Br.	+0.03 +0.4	$\alpha = 15^h 30^m 27^s.299$		
May 28	Ei.Y.	14.39 2.2 W.	June 8	Ei.Y.	8.30 20.1 E.	24	Br.	-0.05 +0.6	$\delta = +27^\circ 3' 3''.16$		
June 3	Ei.Y.	14.35 2.6 W.	14	Ei.Y.	8.32 20.6 E.	Mar. 3	M.	-0.11 +0.2	1905		
1905			1906			4	R.	-0.03 0.0	Apr. 30		
May 22	Ei.Y.	14.35 2.8 E.	May 21	Ei.Y.	8.26 21.7 W.	8	R.	0.00 +0.2	Y.		
1906			29	Ei.Y.	8.29 21.8 W.	9	M.	-0.01 +0.1	May 27		
Apr. 13	Ei.Y.	14.36 3.0 W.	Mean.....		8.292 21.05	16	R.	+0.01 +1.0	M.		
Mean.....		14.362 2.65	Mag. corr.....		-0.013	18	M.	0.00 +0.4	June 5		
Mag. corr.....		+0.012				22	M.	+0.02 -0.4	Ei.Y.		
B. D. $-16^\circ 41'10''$			ν^2 Boötis			4	Br.	-0.01 +0.4	9		
$\alpha = 15^h 27^m$			$\alpha = 15^h 28^m$			5	Ei.Y.	+0.04 +0.6	Br.		
$\delta = -16^\circ 30'$			$\delta = +41^\circ 14''$			14	Ei.Y.	-0.01 +0.4	13		
1904			1904			21	Ei.Y.	0.00 +0.3	15		
June 17	Ei.Y.	16.18 48.8 W.	June 15	M.	12.16 19.1 W.	May 1	M.	+0.01 -0.2	M.		
22	Ei.Y.	16.20 47.4 W.	1905			11	Ei.Y.	-0.04 +0.8	16		
1905			Feb. 9	Br.	12.22 19.2 E.	12	Ei.Y.	+0.01 +0.2	Br.		
Apr. 17	Ei.Y.	16.14 49.8 E.	23	Br.	12.17 19.1	25	Br.	+0.01 +0.3	1906		
June 3	Ei.Y.	16.20 48.5 E.	Mar. 10	M.	12.19 18.8	28	Ei.Y.	+0.04 +0.7	Feb. 23		
1906			29	Y.	12.18 19.7 E.	29	R.	-0.01 +0.5	Hl.		
Apr. 7	Ei.Y.	16.19 49.3 W.	1906			June 3	Ei.Y.	+0.01 +0.3	June 3		
Mean.....		16.182 48.76	Feb. 22	Bs.	12.21 19.7 W.	17	Ei.Y.	+0.03 +0.4	M.		
Mag. corr.....		-0.006	Mar. 5	Br.	12.18 18.5	18	Ei.Y.	-0.02 +0.4	14		
ν^1 Boötis			17	Bs.	12.17 19.2	22	Ei.Y.	-0.02 +1.2	M.		
$\alpha = 15^h 27^m 20^s.257$			22	Br.	12.20 18.4 W.	23	Ei.Y.	0.00 +1.4	20		
$\delta = +41^\circ 10' 25''.71$			Mean.....		12.187 19.08	July 11	Ei.Y.	-0.06 +0.6 W.	P.		
1905			Mag. corr.....		+0.001	1905			22		
May 27	M.	-0.02 +0.2 E.	θ Coronæ Borealis			Apr. 22	Ei.M.	+0.01 +0.7 E.	P.		
June 9	Br.	-0.07 +0.9	$\alpha = 15^h 28^m$			May 22	Ei.Y.	+0.01 +0.2	14		
15	M.	-0.02 +1.2	$\delta = +31^\circ 41'$			24	Ei.Y.	-0.02 +0.6	M.		
16	Br.	-0.01 ...	1904			June 3	Ei.Y.	.... +0.5 E.	5		
May 27	P.	-0.03 +0.1 E.	Jan. 24	M.	[53.78] [47.7] W.	1906			19		
1908			1905			Mar. 20	Ei.Y.	+0.01 +0.1 W.	P.		
June 5	P.	0.00 +0.5 W.	Feb. 6	Br.	53.83 46.0 E.	Apr. 7	Ei.Y.	0.00 -0.2	Feb. 2		
11	M.	-0.11 +1.2	17	M.	53.83 48.8	13	Ei.Y.	-0.05 +0.2	L.		
12	P.	0.00 +0.3	Mar. 23	Br.	53.81 47.8	16	Ei.Y.	-0.05 +0.8	4		
13	Fk.	-0.07 +0.2	1907			24	Ei.Y.	0.00 +0.4	P.		
14	P.	-0.07 +0.2 W.	June 15	P.	53.77 47.6	June 11	Ei.Y.	-0.04 +0.7 W.	11		
Mean.....		-0.040 +0.53	23	P.	53.75 47.9 E.	1907			P.		
Mag. corr.....		-0.001	1908			May 27	P.	-0.04 -1.2 E.	28		
B. D. $-22^\circ 39'75''$			May 12	P.	53.78 47.9 W.	June 24	M.	+0.02 +0.4	M.		
$\alpha = 15^h 27^m$			June 6	Fk.	53.86 47.7	27	Hl.	+0.08 +0.2	4		
$\delta = -23^\circ 7'$			7	P.	53.86 47.7	1908			P.		
1904			8	M.	53.77 47.8 W.	Mar. 10	P.	+0.05 ...	7		
June 18	Ei.Y.	22.70 35.6 W.	Mean.....		53.807 47.69	13	P.	+0.04 ...	M.		
23	Ei.Y.	22.69 35.5 W.	Mag. corr.....		+0.006	20	P.	-0.02 ...	10		
1905			B. D. $+36^\circ 26'17''$			21	Fk.	-0.01 ...	L.		
Apr. 22	Ei.M.	22.64 35.6 E.	$\alpha = 15^h 29^m$			27	P.	+0.02 ...	11		
1906			$\delta = +36^\circ 15'$			Apr. 3	P.	-0.02 -0.5 E.	P.		
Apr. 24	Ei.Y.	22.68 35.6 W.	1905			June 2	P.	-0.01 -0.5 W.	14		
Mean.....		22.678 35.58	June 8	Ei.Y.	39.78 54.1 E.	29	M.	-0.03 ... W.	M.		
Mag. corr.....		-0.001	14	Ei.Y.	39.78 54.0 E.	1909			25		
B. D. $-12^\circ 42'78''$			1906			June 29	M.	-0.01 -0.2 E.	P.		
$\alpha = 15^h 27^m$			May 21	Ei.Y.	39.80 W.	30	L.	+0.01 +0.2	10		
$\delta = -12^\circ 40'$			29	Ei.Y.	39.75 54.6 W.	July 2	P.	0.00 -1.2	L.		
1904			Mean.....		39.778 54.23	3	L.	+0.04 +0.7	22		
Apr. 16	Ei.Y.	43.76 28.8 W.	Mag. corr.....		-0.007	7	L.	+0.01 -0.4	P.		
20	Ei.Y.	43.76 29.3 W.				8	M.	+0.02 +0.3	30		
						9	P.	+0.02 -0.9	L.		
						10	L.	+0.04 +0.4	July 15		
						14	L.	[-0.06] [+0.2]	L.		
						25	P.	.... [-0.7]	Mean.....		
						Aug. 22	P.	[-0.04] [-0.2]	+0.009 +0.71		
						23	L.	[0.00] [+0.4]	Mag. corr.....		
						1910			+0.005		
						Feb. 1	P.	-0.05 -0.1	3 H. Scorpii		
						3	P.	.... -0.6	$\alpha = 15^h 30^m$		
						7	P.	+0.02 -0.4	$\delta = -27^\circ 48'$		
						Mar. 28	P.	+0.06 -0.4	1907		
						1911			May 17		
						Feb. 2	P.	-0.01 +0.9	Hl.		
						12	L.	+0.01 +0.5 E.	June 8		
									P.		
									57.15 13.5 E.		
									57.19 13.5		
									1908		
									Feb. 24		
									Hl.		
									57.14 14.1		
									Mar. 9		
									Hl.		
									57.15 13.5		
									10		
									P.		
									57.19 13.4 E.		

<p>June 11 M. 57.08 13.4 W. 12 P. 57.15 13.4 20 Fk. 57.21 12.8 23 Fk. 57.13 13.6 26 M. 57.17 12.5 27 Fk. 57.17 14.3 W. Mean..... 57.157 13.45 Mag. corr..... -0.003</p> <p>B. D. -15° 4144 $\alpha = 15^h 31^m$ $\delta = -15^\circ 10'$</p> <p>1904 June 8 Ei.Y. 17.62 56.8 W. 11 Ei.Y. 17.59 56.4 W. 1905 June 1 Ei.Y. 17.58 56.7 E. 1906 Apr. 10 Ei.Y. 17.56 56.7 W. Mean..... 17.588 56.65 Mag. corr..... -0.001</p> <p>C. P. D. -25° 5625 $\alpha = 15^h 31^m$ $\delta = -25^\circ 56'$</p> <p>1904 June 13 Ei.Y. 28.47 55.2 W. 14 Ei.Y. 28.50 56.0 W. 1905 Apr. 14 Ei.Y. 28.45 54.7 E. 1906 Apr. 2 Ei.Y. 28.44 55.3 W. Mean..... 28.465 55.30 Mag. corr..... +0.023</p> <p>B. D. +43° 2510 $\alpha = 15^h 31^m$ $\delta = +43^\circ 29'$</p> <p>1905 Feb. 9 Br. 44.22 55.4 E. 23 Br. 44.23 55.5 Mar. 1 Y. 44.18 55.9 10 M. 44.16 54.5 29 Y. 44.16 56.0 E. 1908 June 13 Fk. 44.18 55.4 W. 14 P. 44.19 55.6 16 P. 44.20 55.5 17 Fk. 44.16 55.2 18 M. 44.19 55.5 W. Mean..... 44.187 55.45 Mag. corr..... +0.010</p> <p>B. D. -22° 3989 $\alpha = 15^h 31^m$ $\delta = -22^\circ 48'$</p> <p>1904 May 28 Ei.Y. 55.25 35.3 W. June 3 Ei.Y. 55.25 35.7 July 6 Ei.Y. 55.21 35.5 W. 1905 May 22 Ei.Y. 55.25 36.1 E. 1906 Apr. 13 Ei.Y. 55.17 35.5 W. Mean..... 55.220 35.62 Mag. corr..... -0.008</p>			<p>B. D. +36° 2622 $\alpha = 15^h 32^m$ $\delta = +36^\circ 15'$</p> <p>1905 June 8 Ei.Y. 2.65 15.7 E. 14 Ei.Y. 2.66 15.8 E. 1906 May 21 Ei.Y. 2.62 16.7 W. 29 Ei.Y. 2.62 16.6 W. Mean..... 2.638 16.20 Mag. corr..... -0.003</p> <p>C. P. D. -24° 5537 $\alpha = 15^h 32^m$ $\delta = -24^\circ 19'$</p> <p>1904 June 17 Ei.Y. 25.71 33.6 W. 22 Ei.Y. 25.72 32.4 W. 1905 Apr. 17 Ei.Y. 25.71 34.8 E. 1906 Apr. 16 Ei.Y. 25.68 33.6 W. Mean..... 25.705 33.60 Mag. corr..... -0.001</p> <p>B. D. -20° 4285 $\alpha = 15^h 32^m$ $\delta = -20^\circ 41'$</p> <p>1904 May 12 Ei.Y. 27.38 9.1 W. June 18 Ei.Y. 27.40 8.6 W. 1905 Apr. 22 Ei.M. 27.43 9.4 E. 1906 Apr. 24 Ei.Y. 27.47 9.2 W. Mean..... 27.420 9.08 Mag. corr..... -0.009</p> <p>B. D. -19° 4165 $\alpha = 15^h 32^m$ $\delta = -19^\circ 34'$</p> <p>1904 Apr. 16 Ei.Y. 40.60 55.5 W. 20 Ei.Y. 40.54 55.9 W. 1905 May 24 Ei.Y. 40.58 56.1 E. 1906 Mar. 20 Ei.Y. 40.58 56.2 W. Mean..... 40.575 55.92 Mag. corr..... +0.014</p> <p>B. D. -14° 4250 $\alpha = 15^h 32^m$ $\delta = -14^\circ 11'$</p> <p>1904 Apr. 21 Ei.Y. 54.44 11.7 W. June 23 Ei.Y. 54.46 11.1 W. 1905 June 3 Ei.Y. 54.51 11.6 E. 1906 June 11 Ei.Y. 54.42 11.5 W. Mean..... 54.458 11.48 Mag. corr..... +0.013</p> <p>B. D. -17° 4388 $\alpha = 15^h 33^m$ $\delta = -17^\circ 20'$</p> <p>1904 June 8 Ei.Y. 0.26 11.5 W. 11 Ei.Y. 0.24 11.0 W.</p>			<p>1905 June 1 Ei.Y. 0.26 11.6 E. 1906 Apr. 10 Ei.Y. 0.16 10.7 W. Mean..... 0.230 11.20 Mag. corr..... +0.009</p> <p>B. D. -18° 4118 $\alpha = 15^h 33^m$ $\delta = -18^\circ 58'$</p> <p>1904 June 13 Ei.Y. 9.14 19.3 W. 14 Ei.Y. 9.09 21.1 W. 1905 Apr. 14 Ei.Y. 9.09 19.8 E. 1906 Apr. 2 Ei.Y. 9.10 19.8 W. Mean..... 9.105 20.00 Mag. corr..... -0.005</p> <p>B. D. -21° 4159 $\alpha = 15^h 33^m$ $\delta = -22^\circ 8'$</p> <p>1904 June 3 Ei.Y. 9.71 47.8 W. 6 Ei.Y. 9.71 47.4 11 Ei.Y. 9.67 47.8 W. 1905 May 22 Ei.Y. 9.72 47.8 E. 1906 Apr. 13 Ei.Y. 9.61 47.5 W. Mean..... 9.678 47.66 Mag. corr..... -0.003</p> <p>B. D. -22° 3996 $\alpha = 15^h 33^m$ $\delta = -22^\circ 49'$</p> <p>1904 June 17 Ei.Y. 28.27 22.8 W. 22 Ei.Y. 28.32 22.2 W. 1905 Apr. 17 Ei.Y. 28.28 22.8 E. 1906 Apr. 16 Ei.Y. 28.25 22.5 W. Mean..... 28.280 22.58 Mag. corr..... +0.021</p> <p>φ Boötis $\alpha = 15^h 34^m$ $\delta = +40^\circ 40'$</p> <p>1905 Feb. 6 Br. 14.04 44.9 E. 17 M. 14.09 44.9 Mar. 13 Br. 14.11 45.0 15 Y. 14.13 45.1 May 23 Br. 14.14 44.5 E. 1908 June 6 Fk. 14.21 44.7 W. 7 P. 14.18 44.3 16 P. 14.10 44.4 17 Fk. 14.12 45.2 18 M. 14.08 45.6 W. Mean..... 14.120 44.86 Mag. corr..... -0.003</p> <p>C. P. D. -23° 6241 $\alpha = 15^h 34^m$ $\delta = -23^\circ 29'$</p> <p>1904 May 11 Ei.Y. 22.05 33.7 W. 12 Ei.Y. 22.02 34.4 W.</p>			<p>1905 Apr. 22 Ei.M. 22.09 35.0 E. 1906 Apr. 24 Ei.Y. 22.08 34.0 W. Mean..... 22.060 34.27 Mag. corr..... 0.000</p> <p>θ Ursæ Minoris $\alpha = 15^h 34^m$ $\delta = +77^\circ 40'$</p> <p>1904 June 15 M. 22.31 57.2 W. 24 M. 22.32 57.7 W. 1907 June 15 P. 22.32 55.8 E. 23 P. 22.16 57.2 1908 Mar. 13 P. 22.48 56.9 21 Fk. 22.27 57.0 Apr. 6 Fk. 22.54 57.1 E. May 12 P. 22.41 56.5 W. June 29 M. 22.29 57.1 July 6 M. 22.44 56.6 W. Mean..... 22.354 56.91 Mag. corr..... -0.001</p> <p>θ Ursæ Minoris s. p. $\alpha = 15^h 34^m$ $\delta = +77^\circ 40'$</p> <p>1904 Sept. 16 T. 22.82 57.2 E. 22 M. 22.34 55.5 23 T. 22.41 57.6 E. 1905 Sept. 13 Bs. 22.57 55.9 W. 15 Bs. 22.66 56.7 26 Bs. 22.54 56.1 29 Hl. 22.48 55.8 Oct. 3 Bs. 22.16 55.7 14 Bs. 22.55 56.1 W. 1908 Jan. 15 M. 22.28 56.2 E. 17 P.M. 22.54 56.4 E. Mean..... 22.486 56.29 Mag. corr..... -0.002</p> <p>B. D. +38° 2683 $\alpha = 15^h 34^m$ $\delta = +38^\circ 21'$</p> <p>1905 June 5 Ei.Y. 26.83 16.4 E. 8 Ei.Y. 26.90 16.4 E. 1906 May 21 Ei.Y. 26.86 17.1 W. 29 Ei.Y. 26.87 17.3 W. Mean..... 26.865 16.80 Mag. corr..... +0.002</p> <p>C. P. D. -25° 5630 $\alpha = 15^h 34^m$ $\delta = -25^\circ 16'$</p> <p>1904 Apr. 16 Ei.Y. 38.95 1.7 W. 20 Ei.Y. 39.01 2.2 W. 1905 May 24 Ei.Y. 39.00 2.1 E. 1906 Mar. 20 Ei.Y. 39.05 1.8 W. Mean..... 39.002 1.95 Mag. corr..... -0.002</p>
---	--	--	--	--	--	---	--	--	---

B. D. -16° 4135			1908			1905			1908		
$\alpha = 15^h 35^m$			s "			s "			s "		
$\delta = -16^\circ 25'$			June 26 M. +0.04 +0.4 W.			May 24 Ei.Y. 35.84 6.5 E.			June 8 M. 32.52 45.7 W.		
			27 Fk. +0.12 -0.5 W.			1906			11 M. 32.45 45.6		
1904			Mean..... +0.040 -0.19			Apr. 24 Ei.Y. 35.87 6.3 W.			16 P. 32.53 46.3		
Apr. 21 Ei.Y. 0.96 52.2 W.			Mag. corr. +0.001			Mean..... 35.850 6.32			18 M. 32.54 45.3		
June 18 Ei.Y. 1.03 52.4 W.						Mag. corr. +0.014			26 M. 32.55 45.6 W.		
1905			B. D. -18° 4136			B. D. -14° 4266			Mean..... 32.514 45.45		
June 3 Ei.Y. 1.04 51.8 E.			$\alpha = 15^h 36^m$			$\alpha = 15^h 37^m$			Mag. corr. -0.008		
1906			$\delta = -18^\circ 17'$			$\delta = -14^\circ 43'$			α Serpentis		
June 11 Ei.Y. 0.96 52.1 W.			1904			1904			$\alpha = 15^h 39^m 20^s.570$		
Mean..... 0.998 52.12			May 28 Ei.Y. 54.33 11.8 W.			Apr. 16 Ei.Y. 48.43 21.4 W.			$\delta = +6^\circ 44' 24''.83$		
Mag. corr. -0.003			June 23 Ei.Y. 54.32 11.4 W.			20 Ei.Y. 48.39 21.2 W.			1904		
ζ Coronæ Borealis (fol.)			1905			1905			s "		
$\alpha = 15^h 35^m$			May 22 Ei.Y. 54.30 12.8 E.			June 1 Ei.Y. 48.38 20.6 E.			Feb. 14 M. 0.00 +0.9 W.		
$\delta = +36^\circ 57'$			1906			1906			22 Br. +0.04 +0.5		
1904			Apr. 13 Ei.Y. 54.30 11.5 W.			Mar. 20 Ei.Y. 48.39 21.2 W.			24 Br. +0.04 +1.2		
Feb. 14 M. 36.74 36.7 W.			Mean..... 54.312 11.88			Mean..... 48.398 21.10			Mar. 3 M. +0.05 +0.4		
Mar. 3 M. 36.74 37.3			Mag. corr. -0.001			Mag. corr. +0.019			9 M. -0.03 +1.4		
4 R. 36.78 36.9			α Serpentis			B. D. -16° 4151			18 M. +0.03 +0.3		
8 R. 36.78 37.8			$\alpha = 15^h 37^m$			$\alpha = 15^h 38^m$			22 M. +0.01 +0.2		
9 M. 36.68 37.0			$\delta = +19^\circ 59'$			$\delta = -16^\circ 33'$			29 M. +0.01 +0.5		
16 R. 36.73 36.9			1905			1904			Apr. 1 M. 0.00 +0.2		
22 M. 36.69 36.5			Mar. 31 M. 5.42 32.7 E.			Apr. 21 Ei.Y. 16.81 7.9 W.			4 Br. +0.06 +1.0		
29 M. 36.70 36.6			May 23 Br. 5.56 32.2			June 18 Ei.Y. 16.79 7.9 W.			16 Ei.Y. +0.06 +1.2		
Apr. 1 M. 36.72 36.9			1907			1905			20 Ei.Y. +0.03 +0.2		
4 Br. 36.76 36.7			May 17 Hl. 5.54 32.0			June 3 Ei.Y. 16.84 8.3 E.			May 1 M. +0.01 +0.7 W.		
May 25 Br. 36.78 37.1			June 27 Hl. 5.56 32.8			1906			1905		
29 R. 36.74 37.9 W.			1908			June 11 Ei.Y. 16.76 7.2 W.			June 14 Ei.Y. +0.06 ... E.		
May 27 P. 36.69 36.5 E.			Apr. 3 P. 5.56 32.6 E.			Mean..... 16.800 7.82			1906		
June 20 P. 36.73 37.1			June 6 Fk. 5.52 31.8 W.			Mag. corr. +0.007			Feb. 16 Hl. +0.06 +0.8 W.		
22 P. 36.68 36.4			7 P. 5.50 31.7			C. P. D. -23° 6252			19 Br. +0.01 +0.2		
1908			13 Fk. 5.50 32.4			$\alpha = 15^h 38^m$			Mar. 5 Br. +0.06 +0.1		
Mar. 9 Hl. 36.77 36.9			14 P. 5.46 32.4			$\delta = -24^\circ 4'$			17 Br. +0.09 +1.0		
10 P. 36.74 37.2 E.			29 M. 5.53 31.8 W.			1904			22 Br. +0.06 +0.1		
Mean..... 36.732 36.96			Mean..... 5.515 32.24			June 8 Ei.Y. 21.17 43.1 W.			Apr. 24 Ei.Y. +0.07 +0.7 W.		
Mag. corr. 0.000			Mag. corr. +0.003			11 Ei.Y. 21.13 42.4 W.			1907		
B. D. -13° 4226			B. D. +38° 2688			May 22 Ei.Y. 21.21 41.9 E.			June 8 P. +0.01 ... E.		
$\alpha = 15^h 35^m$			$\alpha = 15^h 37^m$			1906			15 P. +0.01 +0.6 E.		
$\delta = -13^\circ 38'$			$\delta = +38^\circ 36'$			Apr. 10 Ei.Y. 21.17 42.1 W.			1909		
1904			1905			Mean..... 21.170 42.38			Feb. 19 L. +0.05 ... W.		
June 8 Ei.Y. 41.85 51.9 W.			June 5 Ei.Y. 20.54 5.9 E.			B. D. -15° 4171			20 M. +0.06 -0.2		
11 Ei.Y. 41.90 51.4 W.			8 Ei.Y. 20.58 5.4 E.			$\alpha = 15^h 38^m$			26 L. +0.04 +0.7		
1905			1906			$\delta = -15^\circ 21'$			28 M. +0.04 +0.8		
June 1 Ei.Y. 41.87 51.6 E.			May 21 Ei.Y. 20.60 6.3 W.			1904			Mar. 4 P. +0.04 +0.5		
1906			29 Ei.Y. 20.53 5.9 W.			June 13 Ei.Y. 26.77 14.1 W.			7 M. +0.03 +0.3		
Apr. 10 Ei.Y. 41.82 51.2 W.			Mean..... 20.562 5.88			14 Ei.Y. 26.76 14.4 W.			10 L. +0.10 +0.7		
Mean..... 41.860 51.52			Mag. corr. -0.001			1905			11 P. +0.04 +0.8		
Mag. corr. +0.014			B. D. -20° 4309			Apr. 14 Ei.Y. 26.76 13.8 E.			16 L. 0.00 ... W.		
κ Libræ			$\alpha = 15^h 37^m$			1906			June 30 L. +0.02 +0.8 E.		
$\alpha = 15^h 36^m 10^s.977$			$\delta = -20^\circ 47'$			2 Ei.Y. 26.80 14.6 W.			July 2 P. +0.07 -0.1		
$\delta = -19^\circ 21' 16''.86$			1904			Mean..... 26.772 14.22			3 L. +0.05 +0.7		
1904			June 17 Ei.Y. 30.57 53.5 W.			γ Coronæ Borealis			7 L. +0.07 +0.9		
June 13 Ei.Y. +0.06 +0.6 W.			22 Ei.Y. 30.61 53.1 W.			$\alpha = 15^h 38^m$			8 M. +0.05 +0.5		
14 Ei.Y. -0.01 +0.4 W.			1905			$\delta = +26^\circ 36'$			9 P. +0.06 +0.6		
1905			Apr. 17 Ei.Y. 30.61 54.4 E.			1905			10 L. +0.01 +0.7		
Apr. 14 Ei.Y. +0.02 +0.4 E.			1906			Feb. 17 M. 32.47 46.0 E.			14 L. 0.00 -0.2		
May 27 M. +0.05 -0.8			Apr. 7 Ei.Y. 30.58 54.9 W.			Mar. 13 Br. 32.55 44.6			17 L. +0.03 -0.2		
June 15 M. +0.03 -0.2			Mean..... 30.592 53.97			25 Br. 32.52 45.8			24 P. +0.04 +0.2		
16 Br. +0.05 -0.6			Mag. corr. -0.010			27 Br. 32.49 44.8			28 M. +0.03 -0.2		
17 Hl. +0.05 -0.6 E.			B. D. -12° 4320			28 M. 32.52 44.8 E.			30 M. 0.00 +0.1		
1906			$\alpha = 15^h 37^m$			Mean..... 32.472 44.8			Aug. 2 L. +0.03 +0.2		
Apr. 2 Ei.Y. +0.01 +0.6 W.			$\delta = -12^\circ 44'$			1905			1910		
1908			1904			Feb. 17 M. 32.47 46.0 E.			June 30 L. +0.09 +1.1 E.		
Feb. 24 Hl. +0.05 -0.7 E.			May 11 Ei.Y. 35.89 5.9 W.			Mar. 13 Br. 32.55 44.6			Mean..... +0.039 +0.56		
June 8 M. +0.12 -0.8 W.			12 Ei.Y. 35.80 6.6 W.			25 Br. 32.52 45.8			Mag. corr. +0.002		
19 P. -0.01 -0.7			Mean..... 35.850 6.32			27 Br. 32.49 44.8			B. D. +35° 2719		
23 Fk. -0.02 -0.1 W.						28 M. 32.52 44.8 E.			$\alpha = 15^h 39^m$		
									$\delta = +35^\circ 7'$		

1906 May 21 Ei.Y. 24.86 45.8 W. 29 Ei.Y. 24.84 45.4 W. Mean..... 24.852 45.05 Mag. corr..... -0.007 C. P. D. -25° 5646 $\alpha = 15^h 39^m$ $\delta = -25^\circ 10'$	B. D. -20° 4322 $\alpha = 15^h 41^m$ $\delta = -20^\circ 9'$ 1904 June 8 Ei.Y. 32.49 21.3 W. 11 Ei.Y. 32.54 20.5 W. 1905 June 1 Ei.Y. 32.49 20.7 E. 1906 Apr. 10 Ei.Y. 32.45 20.6 W. Mean..... 32.492 20.78 Mag. corr..... +0.003 β Serpentis $\alpha = 15^h 41^m 34^s.394$ $\delta = +15^\circ 44' 4''.26$ 1904 Mar. 25 M. +0.04 +1.0 W. Apr. 16 Ei.Y. -0.07 +1.4 20 Ei.Y. -0.02 +0.8 May 25 Br. -0.04 +1.0 29 R. -0.03 +1.0 June 15 M. -0.06 +0.6 24 M. +0.02 +0.7 W. 1905 Feb. 9 Br. -0.06 0.0 E. 23 Br. -0.01 +0.1 24 M. +0.01 +0.5 Mar. 1 Y. -0.03 +1.5 10 M. -0.01 +0.1 12 Y. +0.05 +0.3 29 Y. -0.06 +0.6 Apr. 27 Br. -0.03 ... May 2 M. +0.02 ... 7 Y. -0.03 ... 8 Y. -0.02 ... 12 Y. -0.05 ... 20 M. -0.03 ... 21 Br. -0.03 +0.4 23 Br. +0.01 +0.7 25 Br. +0.01 +0.2 27 M. +0.02 +0.2 June 2 M. +0.01 +1.4 14 Ei.Y. -0.01 ... E. 1906 June 8 Br. +1.1 W. 1907 May 27 P. -0.04 +1.1 E. June 14 M. -0.02 ... 20 P. -0.03 +0.6 21 M. 0.00 +0.4 22 P. +0.01 +0.3 23 P. -0.04 +0.2 24 M. -0.03 +0.7 27 Hl. +0.02 +1.0 1908 Feb. 24 Hl. -0.02 +0.5 Mar. 20 P. -0.06 ... 24 P. -0.04 ... 25 M. -0.07 +0.1 27 P. +0.03 +0.5 Apr. 3 P. -0.10 (+2.7) 6 Fk. +0.03 0.0 E. June 5 P. +0.01 +1.6 W. 11 M. -0.07 ... 13 Fk. -0.04 +0.5 14 P. -0.04 +0.4 27 Fk. -0.05 +0.8 1909 Feb. 17 M. -0.05 +1.2 19 L. -0.06 +1.6 24 M. -0.06 +0.7 25 P. -0.02 +0.8 Mar. 10 L. +0.02 +0.5 11 P. -0.04 +0.6 14 M. -0.02 +0.4 15 P. -0.02 +1.1 W.	1909 Mar. 16 L. -0.02 0.0 W. 26 L. +0.02 +1.1 28 M. -0.04 +0.5 30 L. -0.03 +0.9 31 M. -0.01 -0.1 Apr. 4 M. -0.03 +1.4 6 L. -0.03 +0.2 7 M. -0.08 +0.5 10 P. -0.02 +1.1 11 M. -0.03 +0.8 W. July 7 L. -0.05 +0.5 E. 8 M. -0.01 +0.4 9 P. -0.02 +0.6 10 L. -0.02 +1.3 14 L. -0.02 +0.7 17 L. -0.04 +0.2 24 P. [-0.05] [+0.1] 1910 June 30 L. -0.03 +1.1 July 15 L. -0.05 +0.8 E. Mean..... -0.024 +0.68 Mag. corr..... -0.004 B. D. +36° 2643 $\alpha = 15^h 42^m$ $\delta = +36^\circ 43'$ 1905 June 5 Ei.Y. 7.31 45.9 E. 8 Ei.Y. 7.33 45.2 E. 1906 May 21 Ei.Y. 7.29 46.6 W. 29 Ei.Y. 7.24 46.0 W. Mean..... 7.292 45.92 Mag. corr..... -0.006 C. P. D. -23° 6265 $\alpha = 15^h 42^m$ $\delta = -23^\circ 31'$ 1904 June 13 Ei.Y. 30.81 29.7 W. 14 Ei.Y. 30.81 28.3 W. 1905 Apr. 14 Ei.Y. 30.77 29.1 E. 1906 Apr. 2 Ei.Y. 30.77 30.0 W. Mean..... 30.790 29.28 Mag. corr..... +0.015 B. D. -13° 4252 $\alpha = 15^h 42^m$ $\delta = -13^\circ 11'$ 1904 May 28 Ei.Y. 51.30 27.9 W. June 3 Ei.Y. 51.22 27.9 W. 1905 May 22 Ei.Y. 51.34 27.6 E. 1906 Apr. 13 Ei.Y. 51.26 27.6 W. Mean..... 51.280 27.75 Mag. corr..... +0.012 B. D. +37° 2676 $\alpha = 15^h 44^m$ $\delta = +37^\circ 41'$ 1905 June 5 Ei.Y. 3.12 9.0 E. 8 Ei.Y. 3.19 8.8 E.	1906 May 21 Ei.Y. 3.15 9.0 W. 29 Ei.Y. 3.16 9.1 W. Mean..... 3.155 8.98 Mag. corr..... -0.010 B. D. -21° 4197 $\alpha = 15^h 44^m$ $\delta = -21^\circ 11'$ 1904 June 17 Ei.Y. 5.60 5.2 W. 22 Ei.Y. 5.55 4.2 W. 1905 Apr. 17 Ei.Y. 5.53 5.6 E. 1906 Apr. 7 Ei.Y. 5.53 5.5 W. Mean..... 5.552 5.12 Mag. corr..... +0.003 B. D. -17° 4431 $\alpha = 15^h 44^m$ $\delta = -17^\circ 35'$ 1904 June 18 Ei.Y. 9.04 46.5 W. 23 Ei.Y. 9.00 46.1 W. 1905 Apr. 22 Ei.M. 8.94 47.0 E. 1906 Apr. 16 Ei.Y. 8.98 48.1 W. Mean..... 8.990 46.92 Mag. corr..... +0.015 κ Serpentis $\alpha = 15^h 44^m 14^s.253$ $\delta = +18^\circ 27' 0''.16$ 1905 Mar. 28 M. +0.03 +1.2 E. 31 M. -0.05 +1.3 Apr. 13 Br. +0.02 +1.1 18 M. -0.05 +1.3 19 Y. +0.02 ... E. 1906 Mar. 22 Br. +0.10 -0.6 W. 1908 June 16 P. -0.02 +1.6 18 M. +0.01 +1.1 July 1 M. +0.01 +0.8 8 Fk. +0.01 +1.6 W. Mean..... +0.008 +1.04 Mag. corr..... +0.008 μ Serpentis $\alpha = 15^h 44^m 23^s.986$ $\delta = -3^\circ 7' 27''.60$ 1904 Feb. 22 Br. +0.05 +0.7 W. Mar. 8 R. +0.12 +0.7 June 8 Ei.Y. +0.09 +0.1 11 Ei.Y. +0.12 +0.5 12 R. +0.09 +1.8 July 6 Ei.Y. +0.05 +1.0 W. 1905 June 13 Br. +0.06 +1.1 E. 15 M. +0.04 +0.6 16 Br. +0.02 +0.9 17 Hl. +0.05 +0.6 E. 1906 Apr. 19 Ei.Y. -0.01 -0.7 W. June 25 Ei.Y. +0.05 +1.1 W. 1907 May 17 Hl. +0.05 +1.4 E. June 8 P. +0.06 +0.1 E.
---	--	---	---

1908			C. P. D. -25° 5667			1909			λ Libræ		
Mar. 13 P.	+0.13	... E.	α = 15 ^h 44 ^m			Mar. 26 L.	+0.09	+0.4 W.	α = 15 ^h 47 ^m 31 ^s .640		
24 P.	-0.03	... E.	δ = -25° 26'			30 L.	+0.08	0.0	δ = -19° 52' 5''.98		
May 12 P.	+0.03	+0.5 W.	1904	s	"	31 M.	+0.07	-0.6	1904	s	"
31 Fk.	-0.02	...	Apr. 21 Ei.Y.	57.76	49.3 W.	Apr. 2 L.	+0.03	+0.4	June 17 Ei.Y.	+0.03	+1.2 W.
June 6 Fk.	+0.11	+0.7	May 28 Ei.Y.	57.75	49.1 W.	10 P.	+0.11	+0.2	22 Ei.Y.	+0.04	+2.2 W.
7 P.	+0.07	+0.2	1905			11 M.	+0.07	+0.1 W.	1905		
11 M.	-0.04	...	June 3 Ei.Y.	57.82	50.1 E.	June 30 L.	+0.06	+0.2 E.	Apr. 17 Ei.Y.	+0.04	+0.6 E.
July 6 M.	+0.05	+0.8	1906			July 3 L.	+0.06	+0.3	1906		
1909			June 11 Ei.Y.	57.76	48.7 W.	7 L.	+0.07	+0.3	Feb. 23 Hl.	+0.06	0.0 W.
Feb. 20 M.	+0.03	+0.4	Mean.....	57.772	49.30	8 M.	+0.03	-0.3	Apr. 7 Ei.Y.	+0.08	+0.5 W.
26 L.	+0.07	+0.4	Mag. corr.....	+0.003		27 P.	+0.06	+0.1	1907		
28 M.	+0.04	+0.4	12 H. Draconis			28 M.	+0.02	-0.5	May 27 P.	+0.10	+0.2 E.
Mar. 4 P.	+0.05	-0.2	α = 15 ^h 45 ^m			30 M.	-0.02	+0.1	June 27 Hl.	+0.19	+0.7
17 M.	+0.07	+0.2	δ = +62° 54'			Aug. 2 L.	-0.03	-0.2	1908		
19 L.	-0.03	-0.5	1905	s	"	1910			Mar. 10 P.	+0.07	+0.9
21 M.	+0.05	+0.7	Feb. 17 M.	8.34	30.4 E.	June 30 L.	+0.03	-0.1 E.	24 P.	-0.04	+1.8
22 P.	+0.10	+0.1	Mar. 13 Br.	8.38	30.6	Mean.....	+0.057	+0.04	27 P.	+0.08	+1.0 E.
28 M.	+0.08	+1.1	15 Y.	8.43	30.4	Mag. corr.....	-0.006		June 8 M.	+0.02	+1.3 W.
Apr. 2 L.	+0.03	+1.2	25 Br.	8.43	30.8	B. D. -18° 4182			12 P.	+0.12	+1.5
4 M.	+0.03	+0.3	27 Br.	8.34	31.5 E.	α = 15 ^h 45 ^m			13 Fk.	+0.04	+1.4
6 L.	+0.02	+0.3	1908			δ = -18° 38'			14 P.	+0.07	+1.1 W.
7 M.	+0.04	+0.8 W.	May 1 Fk.	....	31.4 W.	1904	s	"	Mean.....	+0.064	+1.03
June 29 M.	+0.04	-0.6 E.	10 M.	8.35	30.5	June 8 Ei.Y.	52.68	12.2 W.	Mag. corr.....	0.000	
30 L.	+0.05	+0.8	June 23 Fk.	8.43	30.4	11 Ei.Y.	52.64	11.7 W.	C. P. D. -24° 5582		
July 2 P.	+0.03	+0.3	26 M.	8.42	30.8	1905			α = 15 ^h 47 ^m		
3 L.	+0.06	+1.4	27 Fk.	8.48	31.1	June 1 Ei.Y.	52.65	12.1 E.	δ = -25° 1'		
9 P.	+0.03	+0.5	29 M.	8.52	30.8 W.	1906			1904	s	"
10 L.	+0.08	+0.8	Mean.....	8.412	30.79	Apr. 10 Ei.Y.	52.61	11.1 W.	June 18 Ei.Y.	36.49	42.1 W.
14 L.	+0.04	+0.2	Mag. corr.....	0.000		Mean.....	52.645	11.78	23 Ei.Y.	36.42	42.1 W.
17 L.	+0.08	+0.5	ε Serpentis			Mag. corr.....	+0.007		1905		
1910			α = 15 ^h 45 ^m 49 ^s .891			B. D. -14° 4291			Apr. 22 Ei.M.	36.41	42.3 E.
July 15 L.	+0.07	+0.9	δ = +4° 46' 44''.00			α = 15 ^h 46 ^m			1906		
1911			1904	s	"	δ = -14° 33'			Apr. 16 Ei.Y.	36.39	42.8 W.
Feb. 12 L.	+0.01	+1.2	Feb. 14 M.	+0.05	+0.1 W.	1904	s	"	Mean.....	36.428	42.32
24 L.	+0.07	+0.9 E.	Mar. 28 Br.	+0.01	+1.2	June 13 Ei.Y.	0.85	42.1 W.	Mag. corr.....	+0.005	
Mean.....	+0.050	+0.58	May 25 Br.	+0.05	+0.3	14 Ei.Y.	0.88	42.5 W.	ζ Ursæ Minoris		
Mag. corr.....	-0.003		June 15 M.	+0.03	-0.4	1905			α = 15 ^h 47 ^m 37 ^s .433		
χ Lupi			24 M.	+0.01	+0.4 W.	Apr. 14 Ei.Y.	0.84	41.6 E.	δ = +78° 6' 7''.87		
α = 15 ^h 44 ^m			1905			1906			1904	s	"
δ = -33° 19'			Apr. 27 Br.	+0.05	... E.	Apr. 2 Ei.Y.	0.88	42.0 W.	Feb. 24 Br.	-0.14	+0.1 W.
1905	s	"	May 2 M.	+0.04	...	Mean.....	0.862	42.05	Mar. 3 M.	-0.16	-0.5
Feb. 24 M.	36.19	20.5 E.	7 Y.	+0.02	...	Mag. corr.....	-0.001		9 M.	-0.20	+0.1
Apr. 9 Y.	36.18	21.6 E.	8 Y.	+0.08	...	B. D. -13° 4269			16 R.	-0.12	+0.2
1906			12 Y.	+0.01	...	α = 15 ^h 46 ^m			18 M.	-0.10	+0.4
Feb. 16 Hl.	36.17	20.2 W.	20 M.	+0.07	...	δ = -13° 49'			22 M.	-0.24	+1.0
19 Br.	36.15	21.8	21 Br.	+0.04	+0.1	1904	s	"	23 R.	-0.01	+0.3
22 Bs.	36.17	20.1	23 Br.	+0.04	-0.1	May 28 Ei.Y.	3.24	54.2 W.	29 M.	-0.21	-0.3
Mar. 5 Br.	36.24	22.2	25 Br.	+0.09	-0.7	June 3 Ei.Y.	3.23	54.1 W.	Apr. 1 M.	-0.06	+0.8
17 Bs.	36.17	19.7 W.	27 M.	+0.07	-0.3	1905			4 Br.	-0.07	+0.3
1907			June 2 M.	+0.02	+0.7	May 22 Ei.Y.	3.27	53.9 E.	May 1 M.	-0.27	-0.5
June 15 P.	36.13	21.8 E.	14 Ei.Y.	+0.08	... E.	1906			29 R.	-0.04	+0.8 W.
23 P.	36.16	21.1	1906			Apr. 19 Ei.Y.	3.11	54.0 W.	1907		
1908			June 8 Br.	....	+0.3 W.	Mean.....	3.212	54.05	June 21 M.	-0.40	-0.5 E.
Mar. 10 P.	36.24	21.1	25 Ei.Y.	+0.06	+0.4 W.	Mag. corr.....	+0.021		1908		
20 P.	36.20	20.9 E.	1908			B. D. +39° 2922			Mar. 13 P.	-0.10	+0.6
Mean.....	36.182	21.00	June 22 P.	+0.03	+0.1 E.	α = 15 ^h 46 ^m			21 Fk.	-0.07	+0.5
Mag. corr.....	+0.008		1909			δ = +39° 7'			Apr. 3 P.	+0.12	+0.3
B. D. -22° 4034			June 20 Fk.	+0.02	-0.1 W.	1905	s	"	6 Fk.	-0.03	+0.4
α = 15 ^h 44 ^m			1909			June 5 Ei.Y.	48.14	24.5 E.	1909		
δ = -22° 57'			Feb. 17 M.	+0.09	+0.1	8 Ei.Y.	48.13	24.6 E.	Aug. 21 L.	[-0.03]	[-0.2]
1904	s	"	19 L.	+0.03	-0.3	1906			22 P.	[-0.14]	[+0.1]
May 11 Ei.Y.	44.75	9.9 W.	20 M.	+0.08	-0.4	May 21 Ei.Y.	48.07	25.9 W.	23 L.	[-0.19]	[-0.1]
12 Ei.Y.	44.76	10.8 W.	24 M.	+0.06	+0.2	29 Ei.Y.	48.13	25.4 W.	24 P.	[-0.11]	[+0.3]
1905			25 P.	+0.07	+0.1	Mean.....	48.118	25.10	25 L.	[-0.23]	[-0.1]
May 24 Ei.Y.	44.77	10.9 E.	26 L.	+0.06	-0.3	Mag. corr.....	-0.003		27 L.	[-0.31]	[-0.9]
1906			28 M.	+0.08	-0.1				1910		
Mar. 20 Ei.Y.	44.79	9.6 W.	Mar. 4 P.	+0.09	-0.1				Jan. 29 P.	[-0.13]	[-0.1]
Mean.....	44.788	10.30	7 M.	+0.06	0.0				30 M.	[+0.28]	[+0.4]
Mag. corr.....	+0.007		10 L.	+0.03	+0.1				Feb. 1 P.	[-0.03]	[-0.2]
			14 M.	+0.02	0.0				3 P.	[+0.03]	[-0.5]
			15 P.	+0.13	-0.3				7 P.	+0.08	-0.4
			23 L.	+0.13	-0.4 W.				18 L.	-0.10	-0.7 E.

1910			C. P. D. -23° 6277			1906			ρ Scorpii		
Feb. 24 P.	+0.18	-0.5 E.	α = 15 ^h 47 ^m			Feb. 22 Bs.	0.00	+0.3 W.	α = 15 ^h 50 ^m		
25 L.	-0.10	-0.6	δ = -23° 40'			Mar. 5 Br.	+0.02	+0.1	δ = -28° 55'		
Mar. 3 P.	-0.24	-0.3				19 Br.	-0.18	-0.2			
1911			1904			22 Br.	+0.01	-1.2 W.	1904		
Jan. 30 P.	[-0.32]	[-0.5]	Apr. 21 Ei.Y.	58.69	47.8 W.	1907			Mar. 8 R.	42.57	19.5 W.
Feb. 2 P.	[-0.22]	[-0.5]	July 6 Ei.Y.	58.68	47.8 W.	June 8 P.	-0.13	+0.2 E.	June 15 M.	42.50	19.1
18 P.	-0.18	-0.2	1905			15 P.	-0.09	+0.8	July 1 Br.	42.46	.... W.
20 P.	-0.04	+0.3	June 3 Ei.Y.	58.77	48.9 E.	20 P.	-0.12	-0.2 E.	1905		
23 P.	-0.16	+0.6	1906			1908			Mar. 31 M.	42.56	18.5 E.
24 L.	-0.39	0.0	June 11 Ei.Y.	58.66	47.8 W.	May 10 M.	-0.08	+0.5 W.	Apr. 13 Br.	42.58	18.6
Mar. 8 M.	-0.01	-0.2 E.	Mean.....	58.700	48.08	July 6 M.	-0.09	+0.8 W.	18 M.	42.56	18.9
Mean.....	-0.113	+0.07	Mag. corr.....	-0.003		Mean.....	-0.068	+0.19	19 Y.	42.51	.... E.
Mag. corr.....	+0.005		B. D. -16° 4174			Mag. corr.....	+0.005		1906		
[-0.130][-0.19]			α = 15 ^h 48 ^m			B. D. -18° 4195			Feb. 19 Br.	42.53	18.5 W.
ζ Ursæ Minoris s. p.			δ = -16° 26'			α = 15 ^h 49 ^m			Mar. 17 Bs.	42.60	18.0 W.
α = 15 ^h 47 ^m 37 ^s .438			1904			δ = -19° 5'			1907		
δ = +78° 6' 7''.87			June 8 Ei.Y.	7.89	8.7 W.	1904			June 22 P.	42.61	19.4 E.
1903			11 Ei.Y.	7.89	8.5 W.	June 18 Ei.Y.	13.51	14.5 W.	23 P.	42.58	19.5 E.
Sept. 11 L.	+0.20	+0.3 W.	1905			23 Ei.Y.	13.53	14.7 W.	Mean.....	42.551	18.89
1904			June 1 Ei.Y.	7.89	8.2 E.	1905			Mag. corr.....	-0.008	
Sept. 15 M.	-0.01	0.0 E.	Apr. 10 Ei.Y.	7.88	7.7 W.	Apr. 22 Ei.M.	13.52	15.5 E.	B. D. -14° 4314		
21 T.	-0.15	+1.5 E.	Mean.....	7.888	8.28	Apr. 16 Ei.Y.	13.50	15.1 W.	α = 15 ^h 50 ^m		
1905			Mag. corr.....	+0.009		Mean.....	13.515	14.95	δ = -14° 32'		
Sept. 13 Bs.	-0.03	0.0 W.	C. P. D. -26° 5537			Mag. corr.....	+0.024		1904		
14 Hl.	-0.24	+0.6	α = 15 ^h 48 ^m			1904			June 13 Ei.Y.	55.72	12.2 W.
15 Bs.	-0.09	-0.7	δ = -27° 2'			June 18 Ei.Y.	13.51	14.5 W.	14 Ei.Y.	55.72	12.5 W.
29 Hl.	-0.21	-1.2 W.	1904			23 Ei.Y.	13.53	14.7 W.	1905		
1907			June 13 Ei.Y.	24.68	29.2 W.	C. P. D. -25° 5691			Apr. 14 Ei.Y.	55.72	11.9 E.
Sept. 15 M.	-0.15	-0.5 E.	14 Ei.Y.	24.71	29.5 W.	α = 15 ^h 49 ^m			1906		
24 P.	-0.12	+0.4	1905			δ = -25° 58'			Apr. 2 Ei.Y.	55.72	12.2 W.
30 Hl.	+0.06	+1.0	Apr. 14 Ei.Y.	24.68	29.2 E.	1904			Mean.....	55.720	12.20
1909			Apr. 2 Ei.Y.	24.68	29.6 W.	May 11 Ei.Y.	27.36	16.1 W.	Mag. corr.....	+0.021	
Aug. 19 L.	[-0.32]	[+0.6]	Mean.....	24.688	29.38	12 Ei.Y.	27.40	16.1 W.	B. D. -21° 4233		
23 L.	[+0.26]	[+1.3]	Mag. corr.....	+0.023		1905			α = 15 ^h 51 ^m		
24 P.	[+0.03]	[+1.2]	C. P. D. -24° 5590			May 24 Ei.Y.	27.43	16.2 E.	δ = -21° 11'		
25 L.	[+0.04]	[+1.4]	α = 15 ^h 48 ^m			Mar. 20 Ei.Y.	27.37	15.0 W.	1904		
27 L.	[-0.61]	[+2.9]	δ = -24° 56'			Mean.....	27.390	15.85	Mar. 28 Ei.Y.	20.85	40.8 W.
1910			1904			Mag. corr.....	-0.006		June 3 Ei.Y.	20.85	41.4 W.
Feb. 1 M.	-0.07	-0.2	May 28 Ei.Y.	39.23	49.4 W.	B. D. -17° 4450			1905		
2 P.	+0.13	-0.1	June 3 Ei.Y.	39.22	49.9 W.	α = 15 ^h 50 ^m			May 22 Ei.Y.	20.90	41.5 E.
4 P.	+0.08	+0.3	1905			δ = -17° 44'			1906		
14 P.	-0.08	-0.3	May 22 Ei.Y.	39.28	50.0 E.	1904			Apr. 19 Ei.Y.	20.77	41.4 W.
18 P.	[-0.06]	[+1.2]	Apr. 19 Ei.Y.	39.13	50.1 W.	Apr. 21 Ei.Y.	5.79	13.8 W.	Mean.....	20.842	41.28
19 L.	[-0.03]	[+1.1]	Mean.....	39.215	49.85	July 6 Ei.Y.	5.79	13.4 W.	Mag. corr.....	+0.012	
22 P.	[-0.20]	-0.1	Mag. corr.....	-0.009		1905			B. D. -15° 4221		
25 P.	[-0.07]	[+0.5]	B. D. -22° 4046			June 3 Ei.Y.	5.83	13.7 E.	α = 15 ^h 51 ^m		
1911			α = 15 ^h 48 ^m			June 11 Ei.Y.	5.76	13.3 W.	δ = -15° 44'		
Feb. 5 P.	+0.15	+1.6	δ = -22° 28'			Mean.....	5.792	13.55	1904		
7 P.	-0.12	+0.4	1904			Mag. corr.....	-0.001		June 17 Ei.Y.	25.36	35.1 W.
10 P.	-0.27	+1.2	June 17 Ei.Y.	47.13	11.3 W.	B. D. -13° 4290			22 Ei.Y.	25.36	34.3 W.
13 L.	-0.36	+0.9	22 Ei.Y.	47.14	10.6 W.	α = 15 ^h 50 ^m			1905		
21 P.	[+0.06]	[+0.5]	1905			δ = -14° 6'			Apr. 17 Ei.Y.	25.33	35.2 E.
23 M.	[+0.19]	[-0.5]	Apr. 17 Ei.Y.	47.18	12.0 E.	1904			1906		
24 P.	[-0.14]	[-1.2] E.	Apr. 7 Ei.Y.	47.14	12.2 W.	June 8 Ei.Y.	37.98	19.2 W.	Apr. 7 Ei.Y.	25.34	35.2 W.
Mean.....	-0.071	+0.29	Mean.....	47.148	11.52	11 Ei.Y.	37.98	18.5 W.	Mean.....	25.348	34.95
Mag. corr.....	+0.004		Mag. corr.....	+0.015		1905			Mag. corr.....	+0.014	
[-0.071][+0.74]			χ Herculis			June 1 Ei.Y.	37.94	18.9 E.	B. D. -20° 4364		
C. P. D. -24° 5583			α = 15 ^h 49 ^m 13 ^s .372			1906			α = 15 ^h 51 ^m		
α = 15 ^h 47 ^m			δ = +42° 43' 56''.90			Apr. 10 Ei.Y.	37.91	18.6 W.	δ = -20° 41'		
δ = -24° 14'			1905			Mean.....	37.952	18.80	1904		
1904			June 15 M.	-0.05	+0.2 E.	Mag. corr.....	+0.019		June 18 Ei.Y.	49.73	34.2 W.
May 11 Ei.Y.	55.46	6.4 W.	16 Br.	-0.04	+0.8 E.	B. D. -13° 4290			23 Ei.Y.	49.71	34.4 W.
12 Ei.Y.	55.46	6.4 W.	1906			α = 15 ^h 50 ^m			1905		
1905			1904			δ = -14° 6'			Apr. 22 Ei.M.	49.75	35.1 E.
May 24 Ei.Y.	55.42	6.0 E.	June 8 Ei.Y.	37.98	19.2 W.	1905			1906		
1906			11 Ei.Y.	37.98	18.5 W.	June 1 Ei.Y.	37.94	18.9 E.	Apr. 16 Ei.Y.	49.69	34.7 W.
Mar. 20 Ei.Y.	55.47	5.6 W.	1905			1906			Mean.....	49.720	34.60
Mean.....	55.452	6.10	June 1 Ei.Y.	37.94	18.9 E.	Mean.....	37.952	18.80	Mag. corr.....	-0.009	
Mag. corr.....	-0.003		1906			Mag. corr.....	+0.019		B. D. -20° 4364		

γ Serpentis				B. D. -19° 4275				1909			
$\alpha = 15^h 51^m 50^s.193$ $\delta = +15^\circ 59' 6''.47$				$\alpha = 15^h 53^m$ $\delta = -19^\circ 39'$				$\alpha = 15^h 53^m$ $\delta = -23^\circ 54'$			
1904				1904				1904			
Mar. 4 R.	+0.07	+0.2	W.	May 28 Ei.Y.	19.31	5.1	W.	July 24 P.	[0.00]	[+0.4]	E.
May 25 Br.	+0.06	+1.0		June 3 Ei.Y.	19.33	5.2	W.	27 P.	[+0.08]	[+0.5]	
July 15 Br.	+0.02	+0.8		1905				28 M.	[+0.02]	[-0.6]	
16 M.	-0.03	0.0	W.	May 22 Ei.Y.	19.33	5.9	E.	29 P.	[0.00]	[+0.5]	
1905				Apr. 19 Ei.Y.	19.26	5.8	W.	30 M.	[+0.03]	[+0.4]	
Feb. 9 Br.	-0.01	-0.3	E.	Mean.....	19.308	5.50		1910			
23 Br.	-0.01	+0.3		Mag. corr.....	-0.009			July 15 L.	+0.07	+0.3	E.
24 M.	+0.01	+0.1		ϵ Coronæ Borealis				Mean.....	+0.039	+0.40	
Mar. 1 Y.	-0.01	+0.5		$\alpha = 15^h 53^m 26^s.766$ $\delta = +27^\circ 10' 1''.89$				Mag. corr.....	+0.008		
12 Y.	+0.01	+0.7		1904				C. P. D. -23° 6292			
29 Y.	+0.01	+0.1		Feb. 22 Br.	+0.10	+0.2	W.	$\alpha = 15^h 53^m$ $\delta = -23^\circ 54'$			
Apr. 9 Y.	+0.03	+0.2		24 Br.	+0.02	+0.7		1904			
June 5 Ei.Y.	+0.02	+0.5		Mar. 3 M.	+0.02	+0.3		June 17 Ei.Y.	34.08	33.9	W.
8 Ei.Y.	+0.05	+0.2		9 M.	-0.02	-0.1		22 Ei.Y.	34.09	33.1	W.
14 Ei.Y.	+0.05	...	E.	18 M.	+0.09	-0.2		1905			
1906				22 M.	+0.04	-0.4		Apr. 17 Ei.Y.	34.08	34.3	E.
Mar. 20 Ei.Y.	+0.06	+0.1	W.	23 R.	+0.03	-0.1		1906			
May 4 Bs.	+0.05	+0.6		25 M.	+0.06	-0.2		Apr. 7 Ei.Y.	34.07	34.6	W.
21 Ei.Y.	+0.04	+0.7		29 M.	+0.01	-0.6		Mean.....	34.080	33.98	
29 Ei.Y.	+0.04	+0.8		Apr. 1 M.	+0.04	+0.5		Mag. corr.....	-0.001		
June 30 Ei.Y.	+0.01	+0.6	W.	2 M.	0.00	+0.3		δ Scorpii			
1907				4 Br.	+0.06	+0.5		$\alpha = 15^h 54^m 25^s.122$ $\delta = -22^\circ 20' 13''.94$			
May 27 P.	-0.02	+1.2	E.	19 M.	+0.09	+0.3		1904			
June 14 M.	+0.03	...		22 M.	+0.05	+0.1		June 18 Ei.Y.	+0.06	+0.8	W.
17 Ei.M.	...	+0.5		May 1 M.	+0.04	-0.3		23 Ei.Y.	+0.04	+1.2	W.
21 M.	+0.03	-0.4		29 R.	+0.01	+0.7		1905			
1908				June 12 R.	+0.09	+1.6	W.	Mar. 28 M.	+0.06	+1.2	E.
Feb. 24 Hl.	+0.01	+0.2		1905				31 M.	+0.07	+0.7	
Mar. 9 Hl.	-0.04	...		May 25 Br.	0.00	+0.2	E.	Apr. 13 Br.	+0.03	+0.9	
13 P.	+0.05	...		June 5 Ei.Y.	+0.03	+0.3		18 M.	+0.08	+1.0	
20 P.	+0.04	+0.6		8 Ei.Y.	+0.04	0.0	E.	19 Y.	+0.06	...	
24 P.	-0.02	+0.7		1906				22 Ei.M.	+0.06	+0.8	E.
25 M.	+0.02	...		May 21 Ei.Y.	+0.02	+0.4	W.	1906			
27 P.	+0.06	0.0		29 Ei.Y.	+0.01	+0.6		Apr. 16 Ei.Y.	-0.01	+1.0	W.
Apr. 9 Fk.	+0.01	...		June 22 Ei.Y.	+0.03	+0.6		1908			
13 Fk.	0.00	...		30 Ei.Y.	+0.03	+0.3	W.	June 20 Fk.	+0.11	-0.3	
17 P.	+0.08	...		1907				23 Fk.	+0.04	+0.2	
19 M.	+0.02	...		June 14 M.	+0.09	...	E.	26 M.	+0.08	+0.9	
21 Fk.	+0.01	...	E.	15 P.	+0.02	+0.8		27 Fk.	+0.17	+0.5	
May 31 Fk.	-0.02	...	W.	1908				July 6 M.	+0.02	+1.8	W.
June 16 P.	-0.06	+1.2		Mar. 21 Fk.	+0.08	+0.2		1909			
18 M.	-0.01	+0.4		25 M.	+0.04	...		Aug. 22 P.	[+0.02]	[+1.6]	E.
19 P.	-0.02	...		Apr. 6 Fk.	+0.05	+0.4		1910			
July 8 Fk.	-0.06	...		9 Fk.	+0.09	+0.4		Apr. 25 P.	+0.02	+1.0	E.
9 M.	-0.01	...		13 Fk.	-0.02	+0.9		Mean.....	+0.059	+0.84	
1909				17 P.	+0.03	+0.6		Mag. corr.....	+0.006		
Feb. 17 M.	+0.06	+0.3		19 M.	+0.06	+0.7	E.	49 Libræ			
19 L.	+0.01	+1.0		May 31 Fk.	+0.15	...	W.	$\alpha = 15^h 54^m 42^s.597$ $\delta = -16^\circ 14' 21''.72$			
20 M.	+0.06	+0.2		June 17 Fk.	+0.04	...		1904			
24 M.	+0.11	+0.3		July 10 P.	+0.12	+1.0		May 11 Ei.Y.	-0.04	-0.2	W.
25 P.	+0.06	+0.5		1909				12 Ei.Y.	0.00	-0.1	W.
28 M.	+0.02	+0.2		Mar. 14 M.	0.00	+0.8		1905			
Mar. 4 P.	+0.06	+0.4		26 L.	+0.03	+0.6		May 24 Ei.Y.	+0.02	-0.2	E.
7 M.	+0.03	+0.1		28 M.	+0.05	+0.3		June 15 M.	-0.05	+0.3	
10 L.	+0.07	+0.5		30 L.	0.00	+0.6		16 Br.	-0.01	+0.7	E.
11 P.	-0.02	+0.3		31 M.	+0.05	+0.3		1906			
15 P.	0.00	+1.0		Apr. 2 L.	-0.03	+1.1		Feb. 19 Br.	-0.05	0.0	W.
17 M.	+0.06	+0.3		4 M.	+0.03	+0.5		22 Bs.	-0.02	+0.4	
19 L.	+0.06	-0.5		6 L.	+0.06	+0.2		Mar. 5 Br.	-0.03	0.0	
21 M.	+0.02	+0.2		7 M.	+0.01	+0.4		19 Br.	-0.07	+0.6	
22 P.	+0.02	+0.2		10 P.	+0.05	+1.4		22 Br.	+0.03	-0.5	
23 L.	+0.06	0.0		11 M.	+0.03	+0.9	W.	June 25 Ei.Y.	-0.07	+0.2	W.
Apr. 7 M.	-0.02	+0.5	W.	July 7 L.	-0.01	+0.7	E.	1907			
June 29 M.	+0.03	-0.1	E.	8 M.	+0.01	0.0		June 8 P.	-0.08	-0.2	E.
July 10 L.	+0.02	+0.5		9 P.	+0.02	0.0		23 P.	-0.02	-0.4	E.
14 L.	+0.06	+0.5		10 L.	+0.07	+0.4					
15 M.	+0.02	0.0		14 L.	+0.04	+0.2					
17 L.	0.00	+0.8		15 M.	+0.01	+0.7					
24 P.	-0.02	+0.6		17 L.	+0.02	+0.2	E.				
27 P.	[+0.05]	[+0.9]									
28 M.	[+0.03]	[-0.1]									
29 P.	[+0.02]	+0.8									
30 M.	[-0.04]	[+0.3]	E.								

1908			1904			B. D. +59° 1695			1905		
Mar. 13 P.	0.00	-1.2 E.	July 1 Br.	44.68	.... W.	$\alpha = 15^h 58^m$			Mar. 28 M.	+0.13	+0.6 E.
Mean.....	-0.028	-0.04	15 Br.	44.75	41.9	$\delta = +59^\circ 36'$			31 M.	+0.02	0.0
Mag. carr.....	-0.004		16 M.	44.68	42.1 W.				Apr. 13 Br.	+0.10	+1.0
B. D. -18° 4213			1905			1907			18 M.	+0.11	+0.5
$\alpha = 15^h 55^m$			Apr. 24 Br.	44.71	41.5 E.	June 20 P.	25.60	46.3 E.	19 Y.	+0.05	...
$\delta = -18^\circ 40'$			1907			1908			June 3 Ei.Y.	+0.12	+1.0
1904			May 27 P.	44.65	41.5	Feb. 24 Hl.	25.63	46.8 E.	15 M.	+0.05	+1.1 E.
Apr. 21 Ei.Y.	12.75	47.7 W.	June 22 P.	44.70	41.9	Mean.....	25.615	46.55	1906		
May 28 Ei.Y.	12.78	47.2 W.	27 Hl.	44.70	42.4	Mag. corr.....	+0.002		Feb. 19 Br.	+0.07	+1.6 W.
1905			1908			C. P. D. -26° 5591			22 Bs.	+0.09	+1.4
June 3 Ei.Y.	12.80	47.6 E.	Mar. 20 P.	44.67	42.2 E.	$\alpha = 15^h 58^m$			Mar. 5 Br.	+0.05	+0.2
1906			Mean.....	44.700	41.86	$\delta = -26^\circ 40'$			17 Bs.	+0.05	+2.0
June 11 Ei.Y.	12.76	47.5 W.	Mag. corr.....	-0.001					19 Br.	+0.05	+1.0
Mean.....	12.772	47.50	B. D. -17° 4472			1904			22 Br.	+0.10	+1.0
Mag. carr.....	-0.013		$\alpha = 15^h 56^m$			May 11 Ei.Y.	55.16	23.2 W.	Apr. 2 Ei.Y.	+0.04	+1.7
B. D. -20° 4380			$\delta = -17^\circ 53'$			12 Ei.Y.	55.08	23.4 W.	16 Ei.Y.	+0.04	+1.1
$\alpha = 15^h 55^m$			1904			1905			July 5 Ei.Y.	+0.06	+2.2 W.
$\delta = -20^\circ 52'$			June 13 Ei.Y.	53.58	32.7 W.	May 24 Ei.Y.	55.23	24.0 E.	1907		
1904			14 Ei.Y.	53.52	32.6 W.	June 25 Ei.Y.	55.19	23.2 W.	Apr. 19 P.	+0.03	+2.3 E.
June 8 Ei.Y.	14.40	22.8 W.	1905			Mean.....	55.165	23.45	June 14 M.	+0.10	...
11 Ei.Y.	14.42	22.1 W.	Apr. 14 Ei.Y.	53.59	32.8 E.	Mag. corr.....	+0.003		17 Ei.M.	+0.11	+0.1
1905			1906			B. D. +35° 2764			24 M.	+0.08	-0.2
June 1 Ei.Y.	14.37	22.4 E.	Apr. 2 Ei.Y.	53.60	32.2 W.	$\alpha = 15^h 59^m$			1908		
1906			Mean.....	53.572	32.58	$\delta = +34^\circ 57'$			Feb. 21 P.	+0.11	...
Apr. 10 Ei.Y.	14.40	22.4 W.	Mag. corr.....	-0.003					Apr. 16 Fk.	+0.08	+1.2
Mean.....	14.398	22.42	C. P. D. -25° 5726			1905			17 P.	+0.12	-0.4
Mag. carr.....	+0.009		$\alpha = 15^h 57^m$			Apr. 30 Y.	27.34	48.7 E.	19 M.	+0.07	+0.1 E.
B. D. +37° 2696			$\delta = -25^\circ 35'$			May 2 M.	27.34	48.4	1 M.	....	+0.4 W.
$\alpha = 15^h 55^m$			1904			7 Y.	27.30	47.7	June 12 P.	+0.15	-0.1
$\delta = +37^\circ 13'$			June 17 Ei.Y.	17.92	11.4 W.	8 Y.	27.32	48.4	13 Fk.	+0.06	+0.5
1905			22 Ei.Y.	17.96	10.2 W.	12 Y.	27.23	48.6	14 P.	+0.11	+0.2
May 2 M.	19.66	35.8 E.	1905			20 M.	27.31	48.3	16 P.	+0.14	+0.3
8 Y.	19.68	36.2	Apr. 17 Ei.Y.	17.93	11.2 E.	21 Br.	27.23	48.1	18 M.	+0.01	+0.5
12 Y.	19.62	36.1	1906			23 Br.	27.26	48.1	20 Fk.	+0.12	-0.6
20 M.	19.64	35.9	Apr. 7 Ei.Y.	17.96	11.4 W.	27 M.	27.27	48.2	23 Fk.	+0.08	-0.1
21 Br.	19.59	36.5	Mean.....	17.942	11.05	June 2 M.	27.24	48.4 E.	26 M.	+0.11	+0.7
23 Br.	19.58	35.9	Mag. corr.....	0.000		Mean.....	27.284	48.29	27 Fk.	+0.12	+0.9
27 M.	19.55	36.3	B. D. -19° 4295			B. D. +37° 2705			July 1 M.	+0.10	+0.4
June 2 M.	19.61	36.6 E.	$\alpha = 15^h 57^m$			$\delta = +37^\circ 23'$			6 M.	+0.05	+1.4
Mean.....	19.616	36.16	$\delta = -19^\circ 33'$			1907			11 Fk.	+0.05	+1.0
Mag. carr.....	+0.003		1904			June 21 M.	33.33	41.3 E.	15 Fk.	+0.07	+0.4
66 H ¹ Draconis			May 28 Ei.Y.	18.33	45.0 W.	1908			1909		
$\alpha = 15^h 55^m$			June 3 Ei.Y.	18.36	45.1 W.	Mar. 27 P.	33.46	41.2 E.	Feb. 19 L.	+0.11	-0.2
$\delta = +55^\circ 1'$			1905			Mean.....	33.395	41.25	Mar. 13 P.	+0.10	...
1905			May 22 Ei.Y.	18.35	45.0 E.	Mag. corr.....	-0.006		16 L.	+0.10	-0.2
Feb. 23 Br.	24.92	56.9 E.	1906			β^1 Scorpii			Apr. 7 M.	+0.04	+0.8 W.
24 M.	24.98	57.2	Apr. 19 Ei.Y.	18.28	45.0 W.	$\alpha = 15^h 59^m 37^s.228$			June 29 M.	+0.07	-0.2 E.
Mar. 29 Y.	24.85	57.0 E.	Mean.....	18.330	45.02	$\delta = -19^\circ 31' 54''.49$			30 L.	+0.10	+0.7
1906			Mag. corr.....	+0.010		1904			July 27 P.	[+0.17] [0.0]	
May 4 Bs.	24.92	56.8 W.	C. P. D. -24° 5639			Mar. 4 R.	+0.07	+0.2 W.	28 M.	[+0.11] [-0.4]	
1908			$\alpha = 15^h 57^m$			Apr. 18 Ei.Y.	+0.04	+0.9	Aug. 22 P.	[+0.06] [+0.6]	
Mar. 9 Hl.	24.85	56.8 E.	$\delta = -24^\circ 26'$			21 Ei.Y.	+0.06	+0.5	23 L.	[+0.09] [+0.8]	
10 P.	24.88	57.2 E.	1904			4 Ei.Y.	+0.06	+0.6	1910		
May 10 M.	24.86	57.1 W.	June 18 Ei.Y.	54.25	59.4 W.	5 Ei.Y.	+0.09	+0.6	Feb. 3 P.	....	[-0.3]
June 29 M.	24.90	56.9	23 Ei.Y.	54.29	58.8 W.	7 Ei.Y.	+0.02	+0.4	Mar. 28 P.	+0.10	-0.5
July 8 Fk.	24.84	57.4	1905			24 Ei.Y.	+0.08	+0.2	Apr. 25 P.	+0.12	+0.2
9 M.	24.82	57.0 W.	Apr. 22 Ei.M.	54.28	59.6 E.	27 Ei.Y.	+0.08	+0.3	26 L.	+0.11	+0.4
Mean.....	24.882	57.03	1906			28 Ei.Y.	+0.03	+1.4	June 19 M.	+0.15	...
Mag. carr.....	+0.001		Apr. 16 Ei.Y.	54.22	58.8 W.	June 3 Ei.Y.	+0.09	+0.3 W.	1911		
r Herculis			Mean.....	54.260	59.15	1905			Feb. 18 P.	+0.06	+1.3
$\alpha = 15^h 56^m$			Mag. corr.....	+0.019		Feb. 17 M.	+0.02	+0.4 E.	20 P.	+0.16	+1.0
$\delta = +18^\circ 5'$			1904			Mar. 1 Y.	+0.11	+0.8	23 P.	+0.03	+0.1
1904			Mar. 8 R.	44.73	41.8 W.	13 Br.	+0.09	+0.6	24 L.	+0.20	+0.1
June 15 M.	44.73	41.4 W.	B. D. -19° 4308			15 Y.	+0.09	0.0	Mar. 18 P.	+0.08	+0.5
			$\alpha = 15^h 59^m$			25 Br.	+0.06	+1.0	20 P.	+0.15	-0.2
			$\delta = -19^\circ 31'$			27 Br.	+0.10	-0.4 E.	23 P.	+0.05	-0.2 E.
						Mean.....			Mag. corr.....		
						+0.083 +0.56			+0.002 [+0.14]		
						B. D. -19° 4308					
						$\alpha = 15^h 59^m$					
						$\delta = -19^\circ 31'$					

1905 June 1 Ei.Y. 37.71 41.7 E. 1906 June 11 Ei.Y. 37.66 40.1 W. Mean..... 37.688 41.28 Mag. corr..... 0.000	B. D. -20° 4405 $\alpha = 16^h 0^m$ $\delta = -20^\circ 23'$ 1904 June 18 Ei.Y. 57.43 53.7 W. 23 Ei.Y. 57.38 53.2 W. 1905 Apr. 22 Ei.M. 57.40 53.6 E. 1906 July 5 Ei.Y. 57.32 52.7 W. Mean..... 57.382 53.30 Mag. corr..... +0.012	1905 Apr. 14 Ei.Y. 51.63 36.2 E. 1906 June 30 Ei.Y. 51.68 36.2 W. Mean..... 51.645 36.12 Mag. corr..... +0.021	1908 July 10 P. +0.12 +1.4 W. 17 P. +0.11 +0.5 W. Mean..... +0.078 +1.01 Mag. corr..... -0.001
B. D. -21° 4269 $\alpha = 15^h 59^m$ $\delta = -21^\circ 33'$ 1904 June 13 Ei.Y. 49.72 55.1 W. 14 Ei.Y. 49.72 55.1 W. 1905 Apr. 14 Ei.Y. 49.72 55.0 E. 1906 June 30 Ei.Y. 49.72 55.3 W. Mean..... 49.720 55.12 Mag. corr..... +0.002	B. D. -16° 4219 $\alpha = 16^h 1^m$ $\delta = -16^\circ 40'$ 1904 May 11 Ei.Y. 22.06 22.5 W. 12 Ei.Y. 22.02 23.3 W. 1905 May 24 Ei.Y. 22.07 23.1 E. 1906 June 25 Ei.Y. 22.06 22.6 W. Mean..... 22.052 22.88 Mag. corr..... +0.005	C. P. D. -25° 5748 $\alpha = 16^h 2^m$ $\delta = -26^\circ 3'$ 1904 July 6 Ei.Y. 1.82 31.9 W. 11 Ei.Y. 1.81 31.1 W. 1905 June 14 Ei.Y. 1.85 31.2 E. 1906 Apr. 19 Ei.Y. 1.86 32.6 W. Mean..... 1.835 31.70 Mag. corr..... -0.006	B. D. +39° 2953 $\alpha = 16^h 3^m$ $\delta = +39^\circ 5'$ 1905 Apr. 27 Br. 48.48 46.4 E. May 2 M. 48.51 46.6 7 Y. 48.51 47.0 8 Y. 48.56 46.8 20 M. 48.53 46.0 21 Br. 48.48 46.6 23 Br. 48.45 46.6 25 Br. 48.57 46.5 27 M. 48.47 46.2 June 2 M. 48.52 47.0 E. Mean..... 48.508 46.57 Mag. corr..... +0.001
θ Draconis $\alpha = 16^h 0^m 0^s.704$ $\delta = +58^\circ 49' 58''.10$ 1904 Feb. 24 Br. -0.08 0.0 W. Mar. 3 M. -0.04 -0.5 16 R. -0.01 -0.5 18 M. -0.01 -0.4 25 M. -0.05 +0.3 29 M. -0.07 0.0 Apr. 2 M. -0.20 -0.2 May 29 R. -0.09 +0.3 June 12 R. -0.05 +1.2 W. 1907 June 23 P. -0.12 +0.2 E. 1908 Mar. 9 Hl. -0.12 -0.1 10 P. -0.04 +0.9 24 P. -0.10 +0.6 25 M. -0.06 +0.4 E. Mean..... -0.074 +0.16 Mag. corr..... +0.007	B. D. -13° 4342 $\alpha = 16^h 1^m$ $\delta = -13^\circ 48'$ 1904 Apr. 21 Ei.Y. 28.70 7.6 W. May 23 Ei.Y. 28.73 7.1 W. 1905 June 3 Ei.Y. 28.70 7.1 E. 1906 June 11 Ei.Y. 28.66 7.4 W. Mean..... 28.698 7.30 Mag. corr..... +0.020	B. D. -17° 4494 $\alpha = 16^h 2^m$ $\delta = -17^\circ 58'$ 1904 June 17 Ei.Y. 21.33 20.2 W. 22 Ei.Y. 21.31 19.6 W. 1905 Apr. 17 Ei.Y. 21.31 20.4 E. 1906 Apr. 7 Ei.Y. 21.32 20.4 W. Mean..... 21.318 20.15 Mag. corr..... +0.012	C. P. D. -24° 5660 $\alpha = 16^h 4^m$ $\delta = -24^\circ 19'$ 1904 May 11 Ei.Y. 9.14 5.2 W. 12 Ei.Y. 9.06 5.0 W. 1905 May 24 Ei.Y. 9.10 5.3 E. 1906 June 25 Ei.Y. 9.06 5.6 W. Mean..... 9.090 5.28 Mag. corr..... +0.016
C. P. D. -23° 6321 $\alpha = 16^h 0^m$ $\delta = -23^\circ 20'$ 1904 July 6 Ei.Y. 8.43 1.6 W. 11 Ei.Y. 8.45 1.3 W. 1905 June 14 Ei.Y. 8.42 1.6 E. 1906 Apr. 19 Ei.Y. 8.37 1.3 W. Mean..... 8.418 1.45 Mag. corr..... +0.024	ω^2 Scorpii $\alpha = 16^h 1^m$ $\delta = -20^\circ 35'$ 1904 June 8 Ei.Y. 32.39 55.6 W. 11 Ei.Y. 32.40 54.5 July 1 Br. 32.38 15 Br. 32.43 54.5 W. 1905 Apr. 24 Br. 32.38 54.1 E. June 1 Ei.Y. 32.43 54.9 E. 1906 Apr. 1 Bs. 32.48 54.6 W. 10 Ei.Y. 32.40 54.8 May 4 Bs. 32.41 55.0 W. 1908 Mar. 20 P. 32.45 54.8 E. 21 Fk. 32.40 54.3 Apr. 6 Fk. 32.44 54.9 9 Fk. 32.53 55.1 E. May 10 M. 32.43 55.3 W. Mean..... 32.425 54.80 Mag. corr..... +0.006	C. P. D. -23° 6332 $\alpha = 16^h 2^m$ $\delta = -23^\circ 25'$ 1904 Apr. 18 Ei.Y. 45.27 6.2 W. May 24 Ei.Y. 45.29 6.2 W. 1905 Apr. 22 Ei.M. 45.25 5.7 E. 1906 Apr. 16 Ei.Y. 45.20 6.2 W. Mean..... 45.252 6.08 Mag. corr..... +0.026	B. D. -17° 4502 $\alpha = 16^h 4^m$ $\delta = -18^\circ 4'$ 1904 Apr. 21 Ei.Y. 9.58 30.3 W. May 28 Ei.Y. 9.63 30.0 W. 1905 June 3 Ei.Y. 9.62 30.9 E. 1906 June 11 Ei.Y. 9.60 29.9 W. Mean..... 9.608 30.28 Mag. corr..... +0.019
B. D. -15° 4243 $\alpha = 16^h 0^m$ $\delta = -15^\circ 11'$ 1904 June 17 Ei.Y. 27.27 50.2 W. 22 Ei.Y. 27.29 49.2 W. 1905 Apr. 17 Ei.Y. 27.27 50.5 E. 1906 Apr. 7 Ei.Y. 27.30 51.0 W. Mean..... 27.282 50.22 Mag. corr..... -0.008	C. P. D. -24° 5651 $\alpha = 16^h 1^m$ $\delta = -24^\circ 11'$ 1904 June 13 Ei.Y. 51.65 35.8 W. 14 Ei.Y. 51.62 36.3 W.	B. D. +58° 1615 $\alpha = 16^h 3^m$ $\delta = +58^\circ 9'$ 1908 Feb. 24 Hl. 25.39 36.8 E. Mar. 9 Hl. 25.38 36.0 E. Mean..... 25.385 36.40 Mag. corr..... +0.003	τ Coronæ Borealis $\alpha = 16^h 5^m$ $\delta = +36^\circ 44'$ 1905 Feb. 24 M. 18.86 43.2 E. Mar. 13 Br. 18.84 43.2 15 Y. 18.86 43.3 25 Br. 18.86 43.5 27 Br. 18.83 44.0 1907 June 21 M. 18.85 44.4 1908 Apr. 9 Fk. 18.81 44.9 E. June 8 M. 18.88 45.3 W. 13 Fk. 18.83 44.7 14 P. 18.80 45.1 16 P. 18.80 45.0 18 M. 18.82 44.8 W. Mean..... 18.837 44.28 Mag. corr..... +0.002
		κ Herculis $\alpha = 16^h 3^m 33^s.624$ $\delta = +17^\circ 18' 46''.94$ 1904 Mar. 8 R. +0.12 +0.8 W. 1908 Mar. 10 P. +0.06 +1.0 E. 24 P. +0.04 +1.2 25 M. +0.07 +1.1 27 P. +0.14 +0.8 Apr. 13 Fk. +0.03 +1.2 E. June 29 M. +0.09 +0.7 W. July 8 Fk. -0.01 +1.0 9 M. +0.09 +1.4 W.	

C. P. D. -26° 5611			87 B. Draconis s. P.			1905			1906		
$\alpha = 16^h 5^m$ $\delta = -26^\circ 53'$			$\alpha = 16^h 6^m 2^s.863$ $\delta = +68^\circ 4' 25''.02$			s $''$			s $''$		
1904	s $''$		1905	s $''$		Apr. 22 Ei.M.	+0.05	+1.3 E.	June 11 Ei.Y.	31.97	35.6 W.
June 8 Ei.Y.	26.12	23.9 W.	Sept. 26 Bs.	+0.01	0.0 W.	24 Br.	+0.04	+1.4 E.	Mean.....	31.998	35.70
11 Ei.Y.	26.12	24.1 W.	Oct. 14 Bs.	+0.07	0.0	1906			Mag. corr.....	+0.007	
1905	s $''$		Nov. 11 Hl.	+0.02	-0.3 W.	Apr. 16 Ei.Y.	+0.05	+1.2 W.	C. P. D. -24° 5671		
June 1 Ei.Y.	26.07	.... E.	1907	s $''$		Feb. 21 P.	+0.08	... E.	$\alpha = 16^h 7^m$ $\delta = -24^\circ 9'$		
1906	s $''$		Sept. 24 P.	+0.11	+1.5 E.	Apr. 21 Fk.	+0.02	+1.2 E.	1904	s $''$	
Apr. 10 Ei.Y.	26.04	23.3 W.	Oct. 21 Hl.	+0.08	+0.5	May 31 Fk.	+0.12	... W.	June 8 Ei.Y.	44.63	57.8 W.
1907	s $''$		1908	s $''$		June 19 P.	+0.12	... W.	11 Ei.Y.	44.67	57.1 W.
June 17 Ei.M.	26.18	23.7 E.	Feb. 3 P.	+0.13	+0.9	July 15 Fk.	+0.02	+1.8	1905	s $''$	
Mean.....	26.106	23.75	4 P.	+0.07	+1.1	1909			June 1 Ei.Y.	44.57	57.7 E.
Mag. corr.....	+0.014		6 P.	-0.01	-0.1 E.	Mar. 11 P.	+0.10	+1.2	1906	s $''$	
ϕ Herculis			Sept. 14 P.	-0.01	+1.7 W.	13 P.	+0.10	...	July 5 Ei.Y.	44.58	56.1 W.
$\alpha = 16^h 5^m 37^s.130$ $\delta = +45^\circ 11' 49''.54$			15 Fk.	+0.16	+0.6 W.	14 M.	+0.09	+0.9	Mean.....	44.612	57.18
1906	s $''$		Mean.....	+0.063	+0.59	15 P.	+0.06	+0.6	Mag. corr.....	+0.020	
Feb. 23 Hl.	-0.07	-1.0 W.	Mag. corr.....	-0.002		17 M.	+0.13	+1.9	B. D. -21° 4305		
Apr. 1 Bs.	-0.07	-0.1	C. P. D. -28° 5298			19 L.	+0.09	+0.1	$\alpha = 16^h 7^m$ $\delta = -21^\circ 8'$		
May 4 Bs.	-0.05	+0.2 W.	1904	s $''$		21 M.	+0.04	+2.0	1904	s $''$	
1907	s $''$		July 6 Ei.Y.	5.13	25.8 W.	22 P.	+0.08	+0.8	May 4 Ei.Y.	47.59	39.2 W.
June 24 M.	-0.06	+1.1 E.	11 Ei.Y.	5.12	26.5 W.	23 L.	+0.17	+0.6 W.	5 Ei.Y.	47.57	40.4 W.
1908	s $''$		1905	s $''$		June 29 M.	+0.10	+0.6 E.	1905	s $''$	
Mar. 20 P.	+0.04	-1.2	June 14 Ei.Y.	5.16	25.5 E.	30 L.	+0.08	+1.5	Apr. 14 Ei.Y.	47.56	39.9 E.
21 Fk.	-0.04	+0.7	1906	s $''$		July 7 L.	+0.11	+1.0	1906	s $''$	
Apr. 3 P.	-0.04	-1.1	Apr. 19 Ei.Y.	5.08	26.6 W.	8 M.	+0.10	+1.6	June 30 Ei.Y.	47.59	39.5 W.
6 Fk.	-0.04	+0.5 E.	Mean.....	5.122	26.10	9 P.	+0.08	+0.5	Mean.....	47.578	39.75
July 1 M.	0.00	-0.2 W.	Mag. corr.....	-0.007		10 L.	+0.06	+1.1	Mag. corr.....	+0.015	
6 M.	-0.15	+0.8 W.	c^1 Scorpii			14 L.	+0.12	+0.7	B. D. +35° 2788		
Mean.....	-0.048	-0.03	$\alpha = 16^h 6^m$ $\delta = -27^\circ 39'$			15 M.	+0.05	+0.8	$\alpha = 16^h 7^m$ $\delta = +35^\circ 22'$		
Mag. corr.....	+0.007		1904	s $''$		28 M.	[+0.11] [+0.2]		1904	s $''$	
B. D. -22° 4113			June 17 Ei.Y.	8.54	61.0 W.	30 M.	[+0.07] [+1.2]		May 4 Ei.Y.	47.59	39.2 W.
$\alpha = 16^h 5^m$ $\delta = -22^\circ 17'$			22 Ei.Y.	8.52	60.4 W.	Aug. 2 L.	[+0.05] [+1.1]		5 Ei.Y.	47.57	40.4 W.
1904	s $''$		1905	s $''$		23 L.	[+0.08] [+1.0]		1905	s $''$	
June 13 Ei.Y.	56.56	4.0 W.	Mar. 28 M.	8.53	60.1 E.	1910			Apr. 27 Br.	60.00	52.6 E.
14 Ei.Y.	56.58	4.7 W.	31 M.	8.47	60.6	Feb. 3 P.	....	[+0.7]	2 M.	60.06	52.5
1905	s $''$		Apr. 13 Br.	8.59	59.7	Apr. 25 P.	+0.11	+0.6	8 Y.	60.00	53.3
Apr. 14 Ei.Y.	56.59	4.7 E.	17 Ei.Y.	8.53	60.8	26 L.	+0.11	+1.4	12 Y.	60.03	53.0
1906	s $''$		18 M.	8.60	60.1	June 19 M.	+0.07	...	20 M.	60.04	52.6
June 30 Ei.Y.	56.59	4.7 W.	19 Y.	8.61	.... E.	1911			21 Br.	59.96	52.7
Mean.....	56.580	4.52	1906	s $''$		Feb. 12 L.	+0.09	+1.4	23 Br.	60.05	52.9
Mag. corr.....	-0.005		Apr. 7 Ei.Y.	8.54	60.7 W.	18 P.	+0.09	+1.7	25 Br.	59.99	...
87 B. Draconis			1908	s $''$		20 P.	+0.11	+1.7	27 M.	60.02	52.8
$\alpha = 16^h 6^m 2^s.877$ $\delta = +68^\circ 4' 24''.92$			June 23 Fk.	8.50	60.4	23 P.	+0.04	+0.7	June 2 M.	60.00	53.2 E.
1904	s $''$		26 M.	8.56	60.3	Mar. 18 P.	+0.09	+0.8	Mean.....	60.015	52.84
Feb. 24 Br.	+0.05	+0.2 W.	27 Fk.	8.65	59.9	20 P.	+0.14	+0.2	Mag. corr.....	-0.006	
Mar. 3 M.	-0.04	-0.2	July 10 P.	8.57	60.8	21 L.	+0.20	+1.2	C. P. D. -23° 6342		
4 R.	+0.05	+0.3	11 Fk.	8.62	59.8 W.	23 P.	+0.08	+0.8 E.	$\alpha = 16^h 8^m$ $\delta = -23^\circ 31'$		
9 M.	-0.09	+0.4	Mean.....	8.559	60.35	Mean.....	+0.080	+1.10	1904	s $''$	
16 R.	+0.06	+0.7	Mag. corr.....	+0.004		Mag. corr.....	+0.006	[+0.84]	June 13 Ei.Y.	2.49	7.6 W.
18 M.	+0.10	+0.1	ν Scorpii (mean)			B. D. -15° 4266			14 Ei.Y.	2.45	7.4 W.
25 M.	+0.08	+0.9	$\alpha = 16^h 6^m 10^s.880$ $\delta = -19^\circ 12' 3''.81$			$\alpha = 16^h 7^m$ $\delta = -15^\circ 45'$			1905	s $''$	
29 M.	+0.01	-0.8	1904	s $''$		1904	s $''$		June 14 Ei.Y.	2.52	7.8 E.
Apr. 2 M.	-0.16	+0.3 W.	Apr. 18 Ei.Y.	+0.02	+1.3 W.	May 11 Ei.Y.	9.41	34.7 W.	1906	s $''$	
1907	s $''$		May 4 Ei.Y.	+0.03	+1.6	12 Ei.Y.	9.35	35.0 W.	Apr. 19 Ei.Y.	2.48	8.7 W.
June 15 P.	-0.14	+1.1 E.	5 Ei.Y.	+0.11	+1.1	May 24 Ei.Y.	9.32	34.7 E.	Mean.....	2.485	7.88
23 P.	-0.09	-0.4	7 Ei.Y.	+0.03	+0.8	1906			Mag. corr.....	0.000	
1908	s $''$		24 Ei.Y.	+0.01	+1.1	June 25 Ei.Y.	9.37	34.3 W.	B. D. -20° 4444		
Apr. 16 Fk.	+0.08	+0.9	27 Ei.Y.	+0.04	+0.9	Mean.....	9.362	34.68	$\alpha = 16^h 8^m$ $\delta = -20^\circ 51'$		
17 P.	+0.09	+0.7	28 Ei.Y.	+0.03	+1.4	Mag. corr.....	-0.009		1904	s $''$	
19 M.	+0.12	+0.4 E.	June 3 Ei.Y.	+0.08	+0.8	B. D. -14° 4370			June 17 Ei.Y.	36.01	10.4 W.
Mean.....	+0.009	+0.33	18 Ei.Y.	+0.10	+0.6	$\alpha = 16^h 7^m$ $\delta = -14^\circ 51'$			22 Ei.Y.	36.04	9.4 W.
Mag. corr.....	-0.002		23 Ei.Y.	+0.05	+1.4	1904	s $''$		1905	s $''$	
87 B. Draconis			24 M.	+0.13	+1.5	Apr. 21 Ei.Y.	31.97	35.9 W.	Apr. 17 Ei.Y.	36.02	10.5 E.
$\alpha = 16^h 6^m 2^s.877$ $\delta = +68^\circ 4' 24''.92$			July 1 Br.	+0.01	...	May 28 Ei.Y.	32.01	35.3 W.			
1904	s $''$		15 Br.	+0.08	+1.0	1905					
Feb. 24 Br.	+0.05	+0.2 W.	16 M.	+0.05	+1.3 W.	June 3 Ei.Y.	32.04	36.0 E.			
Mar. 3 M.	-0.04	-0.2									
4 R.	+0.05	+0.3									
9 M.	-0.09	+0.4									
16 R.	+0.06	+0.7									
18 M.	+0.10	+0.1									
25 M.	+0.08	+0.9									
29 M.	+0.01	-0.8									
Apr. 2 M.	-0.16	+0.3 W.									
1907	s $''$										
June 15 P.	-0.14	+1.1 E.									
23 P.	-0.09	-0.4									
1908	s $''$										
Apr. 16 Fk.	+0.08	+0.9									
17 P.	+0.09	+0.7									
19 M.	+0.12	+0.4 E.									
Mean.....	+0.009	+0.33									
Mag. corr.....	-0.002										

1906			1908			σ^2 Coronæ Borealis			1905					
Apr. 7	Ei.Y.	36.02	11.4	W.	Feb. 21	P.	+0.07	-0.1	E.	May 12	Y.	12.51	11.0	E.
Mean.....		36.022	10.42		24	Hl.	-0.01	...		20	M.	12.52	11.0	
Mag. corr.....		+0.020			Mar. 10	P.	0.00	...		21	Br.	12.49	11.0	
C. P. D. -25° 5777					21	Fk.	-0.04	...		23	Br.	12.49	11.2	
$\alpha = 16^h 8^m$					25	M.	+0.04	+0.3		25	Br.	12.56	10.9	
$\delta = -25^\circ 13'$					27	P.	+0.05	+0.5		27	M.	12.54	11.6	
1904					Apr. 9	Fk.	+0.07	0.0		June 2	M.	12.48	11.5	E.
Apr. 18	Ei.Y.	49.78	23.1	W.	13	Fk.	+0.08	+1.1	E.	Mean.....		12.516	11.21	
May 24	Ei.Y.	49.77	23.8		June 8	M.	+0.04	+0.7	W.	Mag. corr.....		+0.009		
1906					13	Fk.	0.00	+0.2		B. D. +36° 2715				
Apr. 16	Ei.Y.	49.75	23.4	W.	14	P.	+0.06	-0.2		$\alpha = 16^h 12^m$				
1907					16	P.	+0.07	+1.1		$\delta = +36^\circ 7'$				
June 17	Ei.M.	49.77	23.7	E.	18	M.	+0.02	+0.4		1908				
Mean.....		49.768	23.50		19	P.	+0.11	...		Feb. 24	Hl.	16.15	8.7	E.
Mag. corr.....		+0.021			July 8	Fk.	-0.01	+1.1		Mar. 20	P.	16.16	8.8	E.
B. D. -18° 4249					9	M.	+0.05	+0.5		Mean.....		16.155	8.75	
$\alpha = 16^h 8^m$					15	Fk.	+0.05	+0.5		Mag. corr.....		0.000		
$\delta = -18^\circ 16'$					1909					B. D. -17° 4534				
1904					Mar. 11	P.	+0.02	+0.2		$\alpha = 16^h 12^m$				
May 11	Ei.Y.	52.89	43.2	W.	13	P.	+0.01	...		$\delta = -17^\circ 8'$				
12	Ei.Y.	52.85	43.9	W.	17	M.	+0.08	+0.2		1904				
1905					19	L.	+0.07	-0.4		June 8	Ei.Y.	42.35	29.5	W.
May 24	Ei.Y.	52.90	44.0	E.	21	M.	+0.02	+0.8		18	Ei.Y.	42.36	29.5	W.
1906					22	P.	+0.02	+0.5		1905				
June 25	Ei.Y.	52.86	44.0	W.	23	L.	+0.15	+0.6		June 3	Ei.Y.	42.36	28.8	E.
Mean.....		52.875	43.78		Apr. 6	L.	+0.02	0.0	W.	1906				
Mag. corr.....		+0.019			July 27	P.	+0.06	+0.2	E.	June 11	Ei.Y.	42.30	28.0	W.
B. D. -22° 4127					28	M.	+0.03	0.0		Mean.....		42.342	28.95	
$\alpha = 16^h 8^m$					1910					Mag. corr.....		+0.009		
$\delta = -22^\circ 7'$					Apr. 25	P.	+0.07	-0.3		ϵ Ophiuchi				
1904					June 30	L.	+0.04	+0.2		$\alpha = 16^h 13^m 1^s.792$				
June 8	Ei.Y.	57.37	36.3	W.	July 15	L.	+0.07	+0.1	E.	$\delta = -4^\circ 26' 55''.48$				
11	Ei.Y.	57.43	36.2	W.	Mean.....		+0.042	+0.38		1904				
1905					Mag. corr.....		+0.001			Mar. 22	M.	-0.02	+0.4	W.
June 3	Ei.Y.	57.39	35.8	E.	C. P. D. -26° 5622					Apr. 13	R.	+0.03	+0.5	
1906					$\alpha = 16^h 9^m$					21	Ei.Y.	-0.01	+0.5	
June 11	Ei.Y.	57.33	35.2	W.	$\delta = -26^\circ 57'$					June 3	Ei.Y.	+0.02	+0.5	
Mean.....		57.380	35.88		1904					24	M.	+0.03	+0.5	
Mag. corr.....		+0.010			May 7	Ei.Y.	11.29	15.5	W.	July 1	Br.	+0.08	...	
δ Ophiuchi					27	Ei.Y.	11.30	15.5	W.	6	Ei.Y.	-0.02	+0.5	
$\alpha = 16^h 9^m 6^s.237$					1905					11	Ei.Y.	+0.03	+0.9	
$\delta = -3^\circ 26' 13''.85$					June 1	Ei.Y.	11.25	16.2	E.	15	Br.	+0.03	+0.5	
1904					1906					16	M.	+0.01	+1.0	
Apr. 21	Ei.Y.	-0.02	+1.0	W.	July 5	Ei.Y.	11.22	14.6	W.	19	Br.	-0.01	+0.3	
May 29	R.	+0.02	+0.3		Mean.....		11.265	15.45		20	T.	+0.02	+1.0	W.
June 3	Ei.Y.	+0.03	+0.5		Mag. corr.....		+0.006			1905				
18	Ei.Y.	+0.07	+0.2		B. D. -14° 4383					Feb. 23	Br.	+0.06	-0.6	E.
23	Ei.Y.	+0.08	+0.8		$\alpha = 16^h 10^m$					24	M.	+0.07	+0.9	
July 6	Ei.Y.	+0.03	+0.7		$\delta = -14^\circ 35'$					Mar. 1	Y.	0.00	+1.2	
11	Ei.Y.	+0.05	+0.3	W.	1904					12	Y.	+0.03	+0.2	
1905					May 4	Ei.Y.	12.74	54.1	W.	13	Br.	+0.06	+0.4	
Feb. 24	M.	+0.04	+0.6	E.	5	Ei.Y.	12.77	54.2	W.	15	Y.	+0.05	+0.4	
Mar. 1	Y.	+0.03	+0.8		1905					25	Br.	+0.05	+1.2	
13	Br.	+0.07	+0.4		Apr. 14	Ei.Y.	12.72	54.0	E.	27	Br.	+0.08	+0.6	
15	Y.	+0.01	+0.2		1906					28	M.	+0.07	+0.6	
25	Br.	-0.01	+1.0		June 30	Ei.Y.	12.80	54.3	W.	29	Y.	-0.03	-0.2	
27	Br.	+0.03	+0.2		Mean.....		12.758	54.15		30	Br.	0.00	+0.8	
28	M.	+0.05	+0.7		Mag. corr.....		-0.012			31	M.	0.00	+0.4	
31	M.	+0.03	+0.5		C. P. D. -23° 6351					Apr. 2	Y.	+0.07	+1.6	
Apr. 18	M.	+0.06	+0.6		$\alpha = 16^h 10^m$					9	Y.	-0.01	+0.5	
June 13	Br.	+0.07	+0.5	E.	$\delta = -24^\circ 1'$					13	Br.	+0.07	+1.2	
1906					1904					17	Ei.Y.	+0.06	+0.1	
Feb. 23	Hl.	0.00	-0.7	W.	June 13	Ei.Y.	25.90	54.8	W.	18	M.	+0.05	+0.6	
Apr. 1	Bs.	+0.06	+0.1		14	Ei.Y.	25.83	54.8	W.	19	Y.	+0.06	...	
May 4	Bs.	+0.07	+0.2	W.	1905					22	Ei.M.	+0.04	+0.9	
					May 22	Ei.Y.	25.86	55.7	E.	24	Br.	+0.10	+0.9	
					1906					May 18	Br.	+0.06	+0.3	
					Apr. 19	Ei.Y.	25.77	55.8	W.	19	Ei.Y.	+0.03	+0.7	
					Mean.....		25.840	55.28		22	Ei.Y.	+0.08	+0.5	E.
					Mag. corr.....		+0.016							

1906	s	"	1908	s	"	1905	s	"	τ Herculis		
Feb. 22 Bs.	+0.04	+0.7 W.	June 20 Fk.	-0.04	+0.7 W.	May 24 Ei.Y.	47.92	0.5 E.	$\alpha = 16^h 16^m 44^s.109$		
Mar. 17 Bs.	+0.10	+1.0	26 M.	+0.02	+0.6	1906			$\delta = +46' 33'' 5''.18$		
19 Br.	+0.02	-0.3	27 Fk.	-0.14	+0.3 W.	June 25 Ei.Y.	47.90	0.1 W.	1904	s	"
Apr. 1 Bs.	+0.08	+0.3	Mean.....	-0.146	+0.47	Mean.....	47.902	0.32	Mar. 9 M.	-0.04	-0.4 W.
May 4 Bs.	+0.05	+0.6 W.	Mag. corr.....	-0.004		Mag. corr.....	+0.010		18 M.	+0.03	-0.5
1907									25 M.	+0.10	+0.5
June 14 M.	+0.03	... E.	19 Ursae Minoris s. p.						29 M.	+0.05	-1.2
1908			$\alpha = 16^h 13^m 40^s.284$			σ Scorpii			Apr. 1 M.	+0.05	-0.6
Feb. 21 P.	+0.06	+0.2	$\delta = +76^\circ 7' 45''.84$			$\alpha = 16^h 15^m 6^s.522$			2 M.	-0.06	-0.5
Apr. 3 P.	+0.08	... E.	1906	s	"	$\delta = -25^\circ 21' 10''.56$			4 Br.	0.00	0.0
June 8 M.	+0.04	+0.9 W.	Jan. 30 Br.	-0.14	+0.1 W.	1904	s	"	12 M.	-0.08	-0.6
12 P.	+0.01	+0.8	Feb. 7 Bs.	+0.06	+0.4 W.	June 8 Ei.Y.	+0.07	+0.2 W.	22 M.	+0.04	+0.4
13 Fk.	+0.03	+0.5	1907			18 Ei.Y.	+0.02	+0.4 W.	May 25 Br.	+0.03	+0.5
14 P.	+0.05	+0.2	Sept. 13 P.	+0.05	-0.1 E.	1905			29 R.	-0.01	+0.7
29 M.	+0.05	-0.1	Oct. 1 P.	-0.22	+1.3	June 3 Ei.Y.	+0.06	+0.4 E.	June 12 R.	-0.01	+1.3 W.
July 8 Fk.	+0.04	+0.4	2 M.	-0.13	+1.7	1906			1907		
9 M.	+0.07	+1.2	25 Hl.	-0.26	-0.1	June 11 Ei.Y.	0.00	+1.3 W.	June 24 M.	0.00	+0.2 E.
10 P.	+0.10	+1.2	1908			1907			1908		
Feb. 26 L.	+0.06	+0.6	Jan. 22 P.	-0.39	+1.2 E.	June 23 P.	-0.01	+0.8 E.	Apr. 9 Fk.	-0.11	+0.3
Mar. 13 P.	+0.03	...	Sept. 14 P.	-0.31	+0.5 W.	1908			13 Fk.	-0.05	-0.2
26 L.	+0.06	+0.6	15 Fk.	-0.01	+0.2	Mar. 10 P.	+0.06	+1.7	20 P.	+0.04	+0.9
28 M.	+0.08	+0.5	1909			13 P.	+0.16	+0.4	21 Fk.	-0.06	+0.9 E.
30 L.	+0.09	+0.1	Jan. 20 L.	0.00	+0.4 W.	21 Fk.	+0.05	+0.5	Mean.....	-0.005	+0.10
31 M.	+0.11	+0.8	Mean.....	-0.135	+0.56	Apr. 6 Fk.	+0.08	+0.6 E.	Mag. corr.....	-0.008	
Apr. 2 L.	+0.11	+0.4	Mag. corr.....	-0.002		16 P.	+0.08	+1.3 W.	B. D. -22° 4159		
7 M.	+0.04	+0.7 W.	B. D. -15° 4300			18 M.	+0.02	+1.2	$\alpha = 16^h 16^m$		
1910			$\delta = -15^\circ 18'$			23 Fk.	+0.02	+0.8	$\delta = -22^\circ 52'$		
Feb. 7 P.	[+0.03] [+0.4] E.		1904	s	"	July 11 Fk.	-0.03	+1.6	1904	s	"
1911			June 13 Ei.Y.	44.57	10.7 W.	15 Fk.	+0.05	+1.4 W.	May 4 Ei.Y.	53.06	56.4 W.
Feb. 24 L.	+0.04	+0.1 E.	14 Ei.Y.	44.54	10.8	1909			5 Ei.Y.	53.11	56.3 W.
Mean.....	+0.045	+0.57	1906			June 30 L.	+0.03	+0.9 E.	1905		
Mag. corr.....	-0.002		Apr. 19 Ei.Y.	44.48	12.0 W.	Aug. 23 L.	[+0.07] [+0.9]		Apr. 14 Ei.Y.	53.10	56.1 E.
B. D. -19° 4357			1907			24 P.	[+0.09] [+0.2] E.		1906		
$\alpha = 16^h 13^m$			June 17 Ei.M.	44.61	11.2 E.	Mean.....	+0.044	+0.90	June 30 Ei.Y.	53.09	55.4 W.
$\delta = -19^\circ 58'$			Mean.....	44.550	11.18	Mag. corr.....	0.000		Mean.....	53.090	56.05
1904	s	"	Mag. corr.....	-0.009		C. P. D. -26° 5627			Mag. corr.....	+0.007	
May 7 Ei.Y.	16.32	26.2 W.	C. P. D. -23° 6363			$\alpha = 16^h 15^m$			σ Serpentis		
27 Ei.Y.	16.35	26.5 W.	$\alpha = 16^h 14^m$			$\delta = -26^\circ 59'$			$\alpha = 16^h 17^m$		
1905			$\delta = -23^\circ 55'$			1904	s	"	$\delta = +1^\circ 15'$		
June 1 Ei.Y.	16.31	26.4 E.	1904	s	"	May 7 Ei.Y.	9.37	30.8 W.	1904	s	"
1906			June 17 Ei.Y.	37.02	41.1 W.	27 Ei.Y.	9.36	30.2 W.	June 15 M.	0.39	50.7 W.
June 22 Ei.Y.	16.32	26.1 W.	22 Ei.Y.	37.09	40.9 W.	1905			24 M.	0.46	50.7
July 5 Ei.Y.	16.34	24.8 W.	1905			June 1 Ei.Y.	9.40	31.2 E.	July 15 Br.	0.45	51.0
Mean.....	16.328	26.00	Apr. 17 Ei.Y.	37.13	41.5 E.	1906			16 M.	0.43	51.2
Mag. corr.....	-0.015		1906			July 5 Ei.Y.	9.38	29.5 W.	19 Br.	0.44	51.2 W.
B. D. -14° 4398			Apr. 7 Ei.Y.	37.07	42.0 W.	Mean.....	9.378	30.42	1908		
$\alpha = 16^h 13^m$			Mean.....	37.078	41.38	Mag. corr.....	-0.002		Mar. 24 P.	0.36	51.4 E.
$\delta = -14^\circ 37'$			Mag. corr.....	+0.003		B. D. +37° 2741			25 M.	0.34	50.9
1904	s	"	B. D. -18° 4266			$\alpha = 16^h 16^m$			Apr. 16 Fk.	0.39	51.0
May 4 Ei.Y.	21.56	44.3 W.	$\alpha = 16^h 14^m$			$\delta = +37^\circ 12'$			17 P.	0.45	51.3
5 Ei.Y.	21.56	44.7 W.	$\delta = -18^\circ 26'$			1905	s	"	19 M.	0.39	51.4 E.
1905			1904	s	"	Apr. 27 Br.	42.22	54.0 E.	Mean.....	0.410	51.08
Apr. 14 Ei.Y.	21.55	44.2 E.	Apr. 18 Ei.Y.	41.66	57.6 W.	30 Y.	42.23	53.6	Mag. corr.....	+0.003	
1906			May 24 Ei.Y.	41.62	57.2 W.	May 2 M.	42.30	53.2	B. D. -16° 4280		
June 30 Ei.Y.	21.56	44.5 W.	1905			7 Y.	42.27	53.4	$\alpha = 16^h 17^m$		
Mean.....	21.558	44.42	May 22 Ei.Y.	41.65	57.7 E.	8 Y.	42.33	53.6	$\delta = -16^\circ 47'$		
Mag. corr.....	+0.022		1906			12 Y.	42.30	53.0	1904	s	"
19 Ursae Minoris			Apr. 16 Ei.Y.	41.57	57.6 W.	20 M.	42.23	53.5	June 13 Ei.Y.	9.28	0.2 W.
$\alpha = 16^h 13^m 40^s.284$			Mean.....	41.625	57.52	21 Br.	42.21	53.4	14 Ei.Y.	9.29	0.0 W.
$\delta = +76^\circ 7' 45''.84$			Mag. corr.....	-0.002		23 Br.	42.26	53.6	1905		
1907	s	"	B. D. -21° 4341			25 Br.	42.23	53.2	June 14 Ei.Y.	9.29	0.2 E.
June 20 P.	-0.36	+0.4 E.	$\alpha = 16^h 14^m$			27 M.	42.24	53.1	1906		
July 19 M.	-0.09	+0.2	$\delta = -21^\circ 36'$			June 2 M.	42.20	53.7 E.	Apr. 19 Ei.Y.	9.25	1.0 W.
1908			1904	s	"	Mean.....	42.252	53.44	Mean.....	9.278	0.35
Mar. 24 P.	-0.17	+0.3	May 11 Ei.Y.	47.89	0.5 W.	Mag. corr.....	+0.013		Mag. corr.....	+0.015	
25 M.	-0.06	+0.8	12 Ei.Y.	47.90	0.2 W.						
27 P.	-0.10	+0.6 E.									
May 1 Fk.	-0.22	+0.4 W.									
10 M.	-0.30	+0.4 W.									

γ Herculis			1905			ρ Ophiuchi (<i>south</i>)			1906		
$\alpha = 16^h 17^m 30^s.480$			Mar. 1 Y.	12.06	27.2 E.	$\alpha = 16^h 19^m$			Jan. 30 Br.	+0.06	-0.2 W.
$\delta = +19^\circ 23' 16''.42$			12 Y.	11.97	26.7	$\delta = -23^\circ 13'$			Feb. 7 Bs.	+0.18	+0.1
1904			29 Y.	11.99	27.1 E.	1905			Sept. 24 P.	+0.02	-1.3 W.
Feb. 24 Br.	+0.06	+0.2 W.	1906			Mar. 31 M.	35.25	0.5 E.	1907		
Mar. 4 R.	+0.08	+0.3	Apr. 1 Bs.	12.00	27.0 W.	Mag. corr.	0.00		Sept. 13 P.	+0.09	-0.5 E.
8 R.	+0.03	+0.4	May 4 Bs.	12.03	27.1				Oct. 4 P.	-0.05	-1.0 E.
16 R.	+0.02	+0.1	1908			ρ Ophiuchi (<i>mean</i>)			1908		
22 M.	-0.02	+1.1	June 12 P.	11.96	27.5	$\alpha = 16^h 19^m$			Sept. 14 P.	-0.16	-0.1 W.
28 Br.	-0.06	+0.9	29 M.	11.95	27.3	$\delta = -23^\circ 12'$			15 Fk.	+0.02	-0.3 W.
Apr. 13 R.	0.00	+0.7	July 1 M.	11.97	27.3 W.				Mean.	-0.012	-0.26
1906			Mean.	11.994	27.10				Mag. corr.	+0.001	
June 11 Ei. Y.	-0.01	+1.1	Mag. corr.	+0.005		1904			B. D. +38° 2769		
25 Ei. Y.	+0.02	+0.9	B. D. -19° 4365			June 8 Ei. Y.	35.27	59.3 W.	$\alpha = 16^h 20^m$		
July 5 Ei. Y.	+0.08	+1.6 W.	$\alpha = 16^h 18^m$			18 Ei. Y.	35.32	58.5	$\delta = +38^\circ 42'$		
1907			$\delta = -19^\circ 48'$			July 1 Br.	35.30	.... W.	1905		
Apr. 25 Hl.	+0.08	+0.2 E.	1904			1905			Apr. 27 Br.	46.29	28.2 E.
May 27 P.	-0.12	+0.7	June 17 Ei. Y.	15.03	11.6 W.	Apr. 13 Br.	35.24	58.2 E.	30 Y.	46.34	28.4
June 15 P.	-0.01	+0.2	22 Ei. Y.	14.96	10.3 W.	18 M.	35.25	58.6	May 2 M.	46.29	28.2
17 Ei. M.	+0.05	+0.6	1905			19 Y.	35.23	....	7 Y.	46.30	28.7
21 M.	+0.06	+1.1	Apr. 17 Ei. Y.	15.03	12.3 E.	June 3 Ei. Y.	35.25	57.8 E.	8 Y.	46.37	28.2
July 3 P.	+0.01	+0.9	1906			Mar. 17 Bs.	35.30	58.5 W.	12 Y.	46.33	28.2
19 M.	-0.02	+0.6	Apr. 7 Ei. Y.	14.99	12.2 W.	June 11 Ei. Y.	35.21	57.6 W.	20 M.	46.34	27.5
23 Hl.	+0.02	+0.9	Mean.	15.002	11.60	Apr. 19 P.	35.34	59.4 E.	21 Br.	46.28	28.3
1908			Mag. corr.	+0.006		1907			23 Br.	46.27	27.7
Mar. 9 Hl.	-0.02	... E.	C. P. D. -26° 5634			June 16 P.	35.36	58.8 W.	25 Br.	46.31	28.1
May 10 M.	+0.03	... W.	$\alpha = 16^h 18^m$			18 M.	35.26	58.8	27 M.	46.29	28.0
31 Fk.	0.00	...	$\delta = -26^\circ 55'$			July 8 Fk.	35.20	58.2 W.	June 2 M.	46.32	28.4 E.
June 27 Fk.	+0.04	...	1904			Mean.	35.272	58.52	Mean.	46.311	28.16
July 6 M.	+0.02	...	Apr. 18 Ei. Y.	21.26	4.4 W.	Mag. corr.	+0.003		Mag. corr.	-0.001	
8 Fk.	0.00	...	May 24 Ei. Y.	21.30	5.2 W.	B. D. -19° 4368			ω Herculis		
9 M.	+0.02	+0.3	1905			$\alpha = 16^h 19^m$			$\alpha = 16^h 20^m$		
10 P.	+0.05	+1.2	May 22 Ei. Y.	21.29	5.9 E.	$\delta = -19^\circ 36'$			$\delta = +14^\circ 15'$		
1909			1906			1904			1905		
Feb. 24 M.	+0.07	+0.7	Apr. 16 Ei. Y.	21.16	5.2 W.	May 7 Ei. Y.	35.82	23.3 W.	Apr. 2 Y.	48.01	48.9 E.
25 P.	0.00	+0.6	Mean.	21.252	5.18	27 Ei. Y.	35.85	23.3 W.	9 Y.	48.00	48.2
26 L.	+0.06	+0.6	Mag. corr.	+0.008		1905			24 Br.	48.04	48.8
28 M.	0.00	+0.7	23 Herculis			June 1 Ei. Y.	35.86	24.1 E.	May 18 Br.	48.10	48.3
Mar. 4 P.	-0.02	+0.5	$\alpha = 16^h 19^m$			1906			June 16 Br.	48.04	48.2
7 M.	-0.04	+0.4	$\delta = +32^\circ 33'$			June 22 Ei. Y.	35.88	23.4 W.	1908		
10 L.	-0.03	+0.9	1905			Mean.	35.852	23.52	Feb. 24 Hl.	48.02	48.2 E.
11 P.	-0.02	+0.8	Mar. 13 Br.	6.17	59.2 E.	Mag. corr.	-0.008		June 27 Fk.	48.02	48.0 W.
13 P.	0.00	...	15 Y.	6.16	58.9	η Ursae Minoris			July 9 M.	48.07	48.2
14 M.	+0.06	+0.5	25 Br.	6.14	59.2	$\alpha = 16^h 20^m 25^s.119$			10 P.	48.07	48.5
15 P.	-0.01	+0.7	27 Br.	6.10	58.8	$\delta = +75^\circ 59' 11''.11$			11 Fk.	48.09	47.6
16 L.	-0.01	+0.5	28 M.	6.13	58.8	1907			15 Fk.	48.05	48.0 W.
17 M.	+0.04	+0.4	30 Br.	6.05	58.9 E.	June 20 P.	-0.24	-0.2 E.	Mean.	48.046	48.26
19 L.	+0.03	+0.1	1906			22 P.	-0.03	-0.5	Mag. corr.	+0.005	
21 M.	+0.02	+0.8	Mar. 19 Br.	6.18	58.2 W.	July 8 Hl.	-0.03	0.0	C. P. D. -25° 5794		
22 P.	+0.02	+0.5	1908			1908			$\alpha = 16^h 21^m$		
23 L.	+0.09	+0.6	June 13 Fk.	6.12	58.8	Apr. 3 P.	+0.20	+0.4	$\delta = -26^\circ 1'$		
Apr. 7 M.	0.00	+0.6	14 P.	6.14	58.4	6 Fk.	+0.12	+0.2 E.	1904		
July 22 P.	+0.01	+0.8 W.	July 6 M.	6.11	59.3 W.	20 Fk.	-0.04	0.0 W.	May 4 Ei. Y.	0.37	50.3 W.
10 L.	0.00	0.0 E.	Mean.	6.130	58.85	23 Fk.	+0.02	+0.1	5 Ei. Y.	0.37	50.8 W.
14 L.	-0.04	+0.2	Mag. corr.	+0.017		26 M.	-0.03	-0.8	1905		
15 M.	+0.01	+0.3	C. P. D. -24° 5695			July 16 M.	-0.06	-0.8	Apr. 14 Ei. Y.	0.37	50.5 E.
17 L.	+0.03	+0.3	$\alpha = 16^h 19^m$			17 P.	+0.14	+0.1 W.	1906		
24 P.	-0.01	+0.5	$\delta = -24^\circ 14'$			Mean.	+0.005	-0.15	June 30 Ei. Y.	0.34	49.9 W.
27 P.	0.00	+0.4	1904			Mag. corr.	0.000		Mean.	0.362	50.38
28 M.	+0.04	-0.5	May 11 Ei. Y.	21.90	5.3 W.	η Ursae Minoris s. p.			Mag. corr.	+0.005	
29 P.	-0.01	+1.0	12 Ei. Y.	21.89	4.8 W.	$\alpha = 16^h 20^m 25^s.154$			B. D. -18° 4282		
30 M.	+0.05	+1.4	1905			$\delta = +75^\circ 59' 10''.72$			$\alpha = 16^h 21^m$		
Aug. 2 L.	0.00	+0.6	May 24 Ei. Y.	21.88	5.6 E.	1904			$\delta = -18^\circ 13'$		
1910			1906			Dec. 22 Br.	-0.11	-0.4 E.	1904		
June 29 M.	+0.06	+0.6	June 25 Ei. Y.	21.92	5.0 W.	29 Br.	-0.06	-0.3	June 13 Ei. Y.	13.66	44.9 W.
July 9 M.	-0.01	+0.3 E.	Mean.	21.898	5.18	1905			14 Ei. Y.	13.62	45.3 W.
Mean.	+0.014	+0.60	Mag. corr.	0.000		Jan. 15 Br.	-0.08	0.0 E.	1905		
Mag. corr.	-0.005		ξ Coronae Borealis			Oct. 11 Bs.	-0.04	+1.1 W.	June 14 Ei. Y.	13.61	45.7 E.
$\alpha = 16^h 18^m$			$\alpha = 16^h 18^m$								
$\delta = +31^\circ 7'$			$\delta = +31^\circ 7'$								
1905			1905								
Feb. 23 Br.	11.99	26.7 E.	May 24 Ei. Y.	21.88	5.6 E.						
24 M.	12.02	27.1 E.	1906								
			June 25 Ei. Y.	21.92	5.0 W.						
			Mean.	21.898	5.18						
			Mag. corr.	0.000							

1906			α Scorpii			1906			C. P. D. -26° 5659		
Apr. 19	Ei.Y.	13.57	16 ^h 23 ^m 16°.476			June 30	Ei.Y.	3.62	16 ^h 25 ^m		
Mean.....		13.615	$\delta = -26^\circ 12'$	36".54		Mean.....		3.620	$\delta = -26^\circ 19'$		
Mag. corr.....		+0.003				Mag. corr.....		+0.014			
B. D. -21° 4360			1904			B. D. -14° 4433			1904		
$\alpha = 16^h 21^m$			Mar. 4 R.	+0.03	-0.2 W.	$\alpha = 16^h 24^m$			Apr. 18	Ei.Y.	14.47
$\delta = -21^\circ 53'$			8 R.	+0.06	+0.4	$\delta = -14^\circ 19'$			May 24	Ei.Y.	14.50
1904			9 M.	+0.06	+0.8				1906		
June 17	Ei.Y.	18.09	16 R.	-0.03	+1.0				Apr. 16	Ei.Y.	14.43
22	Ei.Y.	18.09	18 M.	0.00	+0.7				1907		
1905			22 M.	+0.05	+1.0				June 17	Ei.M.	14.53
Apr. 17	Ei.Y.	18.04	23 R.	+0.03	+1.0				Mean.....		14.482
1906			25 M.	-0.08	-1.0				Mag. corr.....		+0.021
Apr. 7	Ei.Y.	18.03	28 Br.	+0.06	+1.8				g Herculis		
Mean.....		18.062	Apr. 1 M.	+0.10	+0.7				$\alpha = 16^h 25^m$		
Mag. corr.....		+0.005	2 M.	-0.05	+2.3				$\delta = +42^\circ 6'$		
98 B. Draconis			4 Br.	+0.08	+0.1				1905		
$\alpha = 16^h 22^m$			12 M.	-0.01	+1.5				Mar. 15	Y.	21.42
$\delta = +55^\circ 25'$			13 R.	+0.08	+0.3				25 Br.		21.46
1904			22 M.	+0.07	+1.0				27 Br.		21.43
May 25	Br.	14.10	May 11	Ei.Y.	+0.08				28 M.		21.49
June 15	M.	14.09	12	Ei.Y.	+0.01				Apr. 18	M.	21.45
24 M.		14.00	29 R.	+0.08	+0.5				19 Y.		21.49
July 15	Br.	14.04	June 12	R.	+0.04				1908		
16 M.		14.08	May 24	Ei.Y.	+0.02				June 20	Fk.	21.51
19 Br.		14.03	1906						23 Fk.		21.44
24 T.		57.8 W.	June 25	Ei.Y.	+0.03				26 M.		21.52
1907			1908						27 Fk.		21.42
June 21	M.	14.01	Mar. 13	P.	+0.11				July 6	M.	21.44
July 3	P.	14.12	20 P.	+0.03	+0.7				Mean.....		21.461
19 M.		14.06	Apr. 3	P.	+0.09				Mag. corr.....		+0.001
1908			20 P.	+0.07	+1.4				B. D. -16° 4298		
Apr. 9	Fk.	14.05	21 Fk.	+0.08	+0.4				$\alpha = 16^h 25^m$		
13 Fk.		13.96	1909						$\delta = -16^\circ 23'$		
Mean.....		14.049	June 30	L.	+0.05				1904		
Mag. corr.....		-0.006	Aug. 24	P.	[+0.10] [+0.2] E.				May 11	Ei.Y.	24.83
B. D. -15° 4324			Mean.....		+0.042 +0.72				12	Ei.Y.	24.85
$\alpha = 16^h 22^m$			Mag. corr.....		-0.008				1905		
$\delta = -15^\circ 59'$			B. D. -21° 4366						May 24	Ei.Y.	24.84
1904			$\alpha = 16^h 23^m$						1906		
Apr. 18	Ei.Y.	33.51	$\delta = -21^\circ 20'$						June 25	Ei.Y.	24.84
May 24	Ei.Y.	33.46	1904						Mean.....		24.840
1905			June 8	Ei.Y.	24.51				Mag. corr.....		+0.008
May 22	Ei.Y.	33.48	11	Ei.Y.	24.56				B. D. -22° 4173		
1906			1905						$\alpha = 16^h 25^m$		
Apr. 16	Ei.Y.	33.46	June 3	Ei.Y.	24.46				$\delta = -22^\circ 35'$		
Mean.....		33.478	1906						1904		
Mag. corr.....		+0.010	Apr. 11	Ei.Y.	24.41				June 8	Ei.Y.	38.57
η Draconis			Mean.....		24.485 50.05				11	Ei.Y.	38.58
$\alpha = 16^h 22^m 38^s.162$			Mag. corr.....		0.000				1905		
$\delta = +61^\circ 44' 26''.22$			B. D. -18° 4287						June 3	Ei.Y.	38.54
1906			$\alpha = 16^h 23^m$						1906		
Apr. 1	Bs.	-0.11	$\delta = -18^\circ 27'$						June 11	Ei.Y.	38.49
May 4	Bs.	-0.03	1904						Mean.....		38.545
1907			May 7	Ei.Y.	54.11				Mag. corr.....		0.000
Apr. 24	M.	-0.06	27	Ei.Y.	54.14				λ Ophiuchi		
25 Hl.		-0.06	1905						$\alpha = 16^h 25^m 52^s.138$		
June 15	P.	-0.08	June 1	Ei.Y.	54.13				$\delta = +2^\circ 12' 9''.16$		
1908			1906						1904		
Mar. 24	P.	-0.13	June 22	Ei.Y.	54.13				Feb. 24	Br.	+0.02
27 P.		+0.06	Mean.....		54.128 15.00				May 25	Br.	+0.03
June 29	M.	-0.09	Mag. corr.....		-0.002				July 11	Ei.Y.	+0.06
July 1	M.	-0.08	C. P. D. -27° 5408						20 T.		0.00
20 M.		-0.05	$\alpha = 16^h 24^m$						1905		
Mean.....		-0.063	$\delta = -27^\circ 41'$						May 18	Br.	+0.03
Mag. corr.....		+0.002	1904						19 Ei.Y.		+0.06
			May 4	Ei.Y.	3.62				1906		
			5	Ei.Y.	3.64				Mar. 5	Br.	+0.06
			1905								
			Apr. 14	Ei.Y.	3.60						
			N Scorpii			B. D. +40° 3020					
			$\alpha = 16^h 24^m$			$\alpha = 16^h 25^m$					
			$\delta = -34^\circ 29'$			$\delta = +39^\circ 59'$					
			1904			1905					
			Apr. 20	Br.	50.84	Apr. 27	Br.	8.26			
			24 Br.		50.88	30 Y.		8.20			
			June 16	Br.	50.88	May 2	M.	8.22			
			1908			7 Y.		8.25			
			Apr. 16	Fk.	50.76	8 Y.		8.29			
			19 M.		50.84	12 Y.		8.26			
			June 13	Fk.	50.82	20 M.		8.26			
			14 P.		50.83	21 Br.		8.18			
			16 P.		50.82	23 Br.		8.24			
			18 M.		50.79	27 M.		8.24			
			July 8	Fk.	50.78	June 2	M.	8.20			
			Mean.....		50.824 10.74	Mean.....		8.236			
			Mag. corr.....		+0.007	Mag. corr.....		-0.009			

1906			1905			B. D. +77° 625			1906		
Mar. 17 Bs.	+0.04	+1.8 W.	Apr. 7 M.	+0.08	+0.8 E.	$\alpha = 16^h 26^m$			Sept. 24 P.	+0.05	+0.7 W.
19 Br.	+0.05	-0.2	9 Y.	+0.05	+1.0 E.	$\delta = +77^\circ 21'$			Oct. 11 Hl.	+0.11	+0.2 W.
22 Br.	+0.04	-0.1	1908			1907			1907		
Apr. 24 Ei.Y.	+0.07	+0.7	May 1 Fk.	+0.05	+0.5 W.		s	"	Oct. 21 Hl.	+0.23	-0.6 E.
June 30 Ei.Y.	+0.06	+1.2	31 Fk.	+0.07	...	June 21 M.	34.77	15.8 E.	25 Hl.	+0.06	+1.5
July 5 Ei.Y.	+0.01	+1.8 W.	June 19 P.	+0.08	...	July 3 P.	35.07	16.5 E.	Dec. 18 P.	-0.07	+0.2
1907			July 11 Fk.	+0.08	+1.0	Mean.....	34.920	16.15	1908		
Apr. 19 P.	+0.04	+1.5 E.	15 Fk.	+0.04	+0.6	Mag. corr.....	-0.010		Jan. 14 P.	+0.07	-0.4
June 20 P.	-0.05	0.0	27 P.	+0.05	+1.1	34 Herculis			22 P.	-0.08	+0.4 E.
24 M.	+0.03	+0.4	1909			$\alpha = 16^h 27^m$			Sept. 22 Fk.	-0.07	-0.1 W.
27 Hl.	+0.09	+0.6	Feb. 26 L.	+0.04	+1.1	$\delta = +49^\circ 10'$			23 M.	+0.10	-0.7
July 23 Hl.	+0.12	+0.9	28 M.	+0.08	+0.1	1904			28 P.	-0.05	+1.1 W.
26 Hl.	+0.08	+0.5 E.	Mar. 4 P.	+0.07	+0.7		s	"	Mean.....	+0.021	+0.36
1908			7 M.	+0.07	+0.2	Mar. 9 M.	21.21	42.3 W.	Mag. corr.....	0.000	
July 1 M.	+0.01	+0.5 W.	10 L.	+0.07	+1.0	18 M.	21.22	41.6	B. D. -15° 4340		
16 M.	+0.07	+1.1	11 P.	+0.12	+1.0	25 M.	21.24	42.8	$\alpha = 16^h 28^m$		
17 P.	+0.06	+0.2	13 P.	+0.07	...	28 Br.	21.25	43.3	$\delta = -15^\circ 18'$		
20 M.	+0.05	+1.2	14 M.	+0.06	+0.4	Apr. 1 M.	21.17	43.0	1904		
1909			15 P.	+0.02	+0.6	2 M.	21.19	42.1	Apr. 18 Ei.Y.	20.89	60.3 W.
Mar. 17 M.	+0.04	+0.7	28 M.	+0.08	+0.6	4 Br.	21.21	41.3	May 24 Ei.Y.	20.88	60.4 W.
19 L.	+0.04	+0.4	31 M.	+0.07	+0.5	5 M.	21.16	41.7	1905		
21 M.	+0.05	+0.7	Apr. 2 L.	+0.04	+1.1	19 M.	21.26	41.7	May 19 Ei.Y.	20.86	60.1 E.
22 P.	+0.04	+0.3	4 M.	+0.08	+0.8	22 M.	21.25	43.1	1906		
23 L.	+0.12	+0.8	6 L.	+0.02	+0.2	May 13 M.	21.27	42.7 W.	Apr. 16 Ei.Y.	20.86	59.8 W.
26 L.	+0.08	+1.2	7 M.	+0.06	+0.7	1907			Mean.....	20.872	60.15
30 L.	+0.05	+0.9	15 P.	+0.09	+0.2	July 8 Hl.	21.20	42.3 E.	Mag. corr.....	-0.007	
Apr. 10 P.	+0.09	+1.6	18 M.	+0.03	+0.1	19 M.	21.20	42.7	B. D. -19° 4381		
11 M.	+0.07	+0.6	22 P.	+0.06	+0.5	1908			$\alpha = 16^h 28^m$		
16 L.	-0.01	+0.5	28 M.	+0.09	+0.6 W.	Mar. 13 P.	21.14	42.8	$\delta = -19^\circ 43'$		
26 P.	+0.07	+1.3 W.	July 10 L.	+0.06	+0.4 E.	Apr. 6 Fk.	21.25	42.9 E.	1904		
July 7 L.	+0.01	+1.1 E.	14 L.	+0.10	0.0	Mean.....	21.215	42.42	May 11 Ei.Y.	55.44	55.2 W.
28 M.	+0.05	-0.4	15 M.	+0.02	+0.3	Mag. corr.....	+0.017		12 Ei.Y.	55.43	53.8 W.
30 M.	0.00	...	17 L.	+0.04	+0.7	C. P. D. -24° 5706			1905		
Aug. 2 L.	-0.04	+0.6	24 P.	+0.06	+0.1		s	"	May 24 Ei.Y.	55.42	54.6 E.
7 P.	[+0.05]	[+0.3]	27 P.	+0.11	+1.0	1904			1906		
10 P.	[+0.01]	[+0.6]	1910			June 17 Ei.Y.	48.52	41.7 W.	Apr. 19 Ei.Y.	55.42	55.1 W.
16 P.	[+0.04]	[+0.3]	Mar. 21 P.	+0.05	+0.4	22 Ei.Y.	48.55	41.7 W.	Mean.....	55.428	54.68
22 P.	[+0.01]	[+0.3]	June 29 M.	+0.07	+0.8	1905			Mag. corr.....	-0.010	
1910			July 9 M.	+0.05	+0.8 E.	Apr. 17 Ei.Y.	48.53	42.9 E.	B. D. +36° 2747		
Mar. 3 P.	+0.05	+1.2 E.	Mean.....	+0.059	+0.61	June 30 Ei.Y.	48.49	42.0 W.	$\alpha = 16^h 29^m$		
Mean.....	+0.045	+0.72	Mag. corr.....	+0.002		Mean.....	48.522	42.08	$\delta = +36^\circ 39'$		
Mag. corr.....	-0.005		B. D. -21° 4381			Mag. corr.....	-0.012		1905		
B. D. -17° 4591			$\alpha = 16^h 26^m$			A Draconis			Apr. 27 Br.	38.44	31.3 E.
$\alpha = 16^h 25^m$			$\delta = -21^\circ 15'$			$\alpha = 16^h 28^m 10^s.538$			30 Y.	38.57	30.7
$\delta = -17^\circ 29'$			1904			$\delta = +68^\circ 59' 4''.44$			May 2 M.	38.49	31.4
1904	s	"	May 4 Ei.Y.	12.47	8.0 W.	1904			7 Y.	38.60	31.2
May 7 Ei.Y.	52.32	49.2 W.	5 Ei.Y.	12.47	8.3 W.		s	"	8 Y.	38.55	30.6
27 Ei.Y.	52.37	49.5 W.	1905			Apr. 13 R.	+0.04	+0.6 W.	12 Y.	38.54	31.0
1905			Apr. 14 Ei.Y.	12.42	8.0 E.	1906			20 M.	38.54	30.6
June 1 Ei.Y.	52.34	49.8 E.	Apr. 7 Ei.Y.	12.47	8.6 W.	Apr. 1 Bs.	-0.06	+0.1	21 Br.	38.51	31.2
1906			Mean.....	12.458	8.22	May 4 Bs.	+0.07	-0.2 W.	23 Br.	38.48	30.6
June 22 Ei.Y.	52.25	49.4 W.	Mag. corr.....	+0.006		1907			25 Br.	38.63	30.8
Mean.....	52.320	49.48	B. D. -20° 4506			Apr. 24 M.	-0.05	-0.5 E.	27 M.	38.50	31.2
Mag. corr.....	-0.002		$\alpha = 16^h 26^m$			Mar. 24 P.	-0.12	+0.4	June 2 M.	38.51	31.3 E.
β Herculis			$\delta = -20^\circ 32'$			27 P.	0.00	+1.2	Mean.....	38.530	30.99
$\alpha = 16^h 25^m 55^s.159$			1904			Apr. 9 Fk.	0.00	+0.1	Mag. corr.....	-0.005	
$\delta = +21^\circ 42' 26''.23$			June 13 Ei.Y.	32.23	16.5 W.	July 9 M.	-0.05	0.0 W.	τ Scorpii		
1904	s	"	14 Ei.Y.	32.23	15.9 W.	10 P.	+0.02	0.0 W.	$\alpha = 16^h 29^m 39^s.345$		
June 15 M.	+0.08	+0.4 W.	1905			Mean.....	-0.022	+0.12	$\delta = -28^\circ 0' 31''.17$		
24 M.	+0.08	+0.8	June 14 Ei.Y.	32.29	16.1 E.	Mag. corr.....	+0.001		1904		
July 15 Br.	+0.09	+0.6	1906			A Draconis s. p.			Mar. 8 R.	+0.03	+0.1 W.
16 M.	+0.04	+0.4	Apr. 19 Ei.Y.	32.28	16.6 W.	$\alpha = 16^h 28^m 10^s.537$			June 8 Ei.Y.	+0.04	+0.2
19 Br.	+0.04	+0.6	Mean.....	32.258	16.28	$\delta = +68^\circ 59' 4''.45$			11 Ei.Y.	+0.06	+0.2 W.
26 Br.	+0.04	+0.6 W.	Mag. corr.....	-0.009		1905			1905		
1905			B. D. -20° 4506			Oct. 11 Bs.	-0.12	+1.7 W.	June 3 Ei.Y.	+0.06	+1.2 E.
Feb. 23 Br.	+0.04	+0.2 E.	$\alpha = 16^h 26^m$			1906			June 11 Ei.Y.	-0.02	+1.0 W.
Mar. 1 Y.	+0.04	+1.4	$\delta = -20^\circ 32'$			1907					
12 Y.	+0.03	+0.5	1904								
26 Y.	+0.02	+0.5	June 13 Ei.Y.	32.23	16.5 W.						
29 Y.	0.00	+0.4	14 Ei.Y.	32.23	15.9 W.						
30 Br.	+0.06	+0.6	1905								
Apr. 2 Y.	+0.04	+1.2 E.	June 14 Ei.Y.	32.29	16.1 E.						

1907			1908			1907			B. D. -22° 4182		
July 27 P.	+0.05	+1.2 E.	June 18 M.	-0.08	+1.1 W.	Apr. 19 P.	+0.02	+0.2 E.	$\alpha = 16^h 32^m$		
1908			27 Fk.	-0.02	+1.3	24 M.	0.00	-0.5	$\delta = -22^\circ 41'$		
Mar. 20 P.	0.00	+0.6	29 M.	0.00	+0.9	25 Hl.	+0.04	+0.1			
Apr. 3 P.	+0.11	+1.8	July 8 Fk.	-0.07	+1.4	June 17 Ei.M.	+0.11	+0.2	1904		
16 Fk.	+0.06	+2.3	15 Fk.	0.00	+1.0 W.	21 M.	+0.07	+0.2	May 11 Ei.Y.	19.79	24.6 W.
17 P.	+0.12	+0.6 E.	Mean.....	-0.018	+1.00	23 P.	+0.09	+0.2	12 Ei.Y.	19.73	24.6 W.
May 10 M.	+0.07	+1.2 W.	Mag. corr.....	+0.006		July 3 P.	+0.09	+0.2	1905		
June 13 Fk.	+0.07	+1.4	† Ophiuchi			19 M.	+0.04	+0.1	May 19 Ei.Y.	19.73	24.4 E.
14 P.	+0.02	+0.6	$\alpha = 16^h 31^m 39^s.094$			27 P.	+0.09	+0.6	1906		
16 P.	+0.10	+0.2	$\delta = -10^\circ 21' 52''.41$			30 Ei.M.	+0.03	+0.9	June 25 Ei.Y.	19.73	24.7 W.
July 17 P.	+0.07	-0.3 W.	1904			1908			Mean.....	19.745	24.58
1909			Feb. 24 Br.	+0.09	+0.5 W.	Apr. 9 Fk.	+0.03	-0.4	Mag. corr.....	+0.005	
July 27 P.	+0.03	+0.9 E.	Mar. 4 R.	+0.08	0.0	13 Fk.	+0.02	+0.8	C. P. D. -26° 5690		
28 M.	+0.02	+0.3	9 M.	+0.06	0.0	20 P.	+0.07	+0.9 E.	$\alpha = 16^h 32^m$		
Aug. 24 P.	[+0.10] [-0.2]		16 R.	-0.02	+0.2	May 1 Fk.	+0.01	+0.2 W.	$\delta = -26^\circ 47'$		
1910			22 M.	+0.06	+0.8	31 Fk.	+0.04	...	1904		
Mar. 4 L.	+0.15	+0.6	23 R.	+0.02	+0.4	June 19 P.	-0.02	...	June 8 Ei.Y.	25.73	17.0 W.
May 23 M.	+0.07	0.0 E.	Apr. 1 M.	+0.02	+0.3	20 Fk.	+0.06	0.0	11 Ei.Y.	25.80	17.0 W.
Mean.....	+0.058	+0.74	2 M.	+0.02	-0.1	23 Fk.	+0.01	-0.2	1905		
Mag. corr.....	+0.001		3 R.	+0.04	+0.9	26 M.	+0.03	+0.6	June 3 Ei.Y.	25.76	17.3 E.
B. D. -18° 4295			4 Br.	+0.07	+0.5	July 1 M.	+0.09	+0.2	1906		
$\alpha = 16^h 29^m$			5 M.	-0.05	0.0	6 M.	+0.05	+0.4	June 11 Ei.Y.	25.70	16.8 W.
$\delta = -18^\circ 27'$			12 M.	+0.04	-1.1	9 M.	+0.05	+0.1	Mean.....	25.748	17.02
1904			19 M.	+0.10	+0.2	11 Fk.	+0.09	+0.5	Mag. corr.....	-0.005	
May 7 Ei.Y.	41.20	55.5 W.	22 M.	+0.03	+0.5	16 M.	+0.05	+0.5	B. D. -17° 4606		
27 Ei.Y.	41.24	55.3 W.	May 13 M.	+0.01	-0.2	17 P.	+0.04	-0.5	$\alpha = 16^h 32^m$		
1905			25 Br.	+0.04	+0.2	20 M.	+0.11	+0.3	$\delta = -18^\circ 1'$		
June 1 Ei.Y.	41.25	56.0 E.	29 R.	+0.07	+0.3	27 P.	+0.05	+0.9	1904		
1906			June 8 Ei.Y.	+0.02	+0.3	1909			May 7 Ei.Y.	40.63	9.6 W.
June 22 Ei.Y.	41.25	55.4 W.	11 Ei.Y.	+0.08	+0.7	Mar. 13 P.	+0.02	...	27 Ei.Y.	40.61	9.9 W.
Mean.....	41.235	55.55	12 R.	+0.01	+0.8	16 L.	+0.06	0.0	1905		
Mag. corr.....	-0.005		13 Ei.Y.	+0.06	+0.7	Apr. 22 P.	+0.07	0.0 W.	June 1 Ei.Y.	40.64	10.2 E.
C. P. D. -25° 5815			14 Ei.Y.	+0.03	+0.8	July 27 P.	+0.06	+0.2 E.	1906		
$\alpha = 16^h 29^m$			15 M.	+0.03	+0.1	Aug. 22 P.	[+0.08] [-0.2]		June 22 Ei.Y.	40.58	9.4 W.
$\delta = -25^\circ 10'$			24 M.	+0.05	+0.2	1910			Mean.....	40.615	9.78
1904			July 1 Br.	+0.02	...	Feb. 3 P.	.... [0.0]		Mag. corr.....	+0.015	
May 4 Ei.Y.	46.57	26.0 W.	11 Ei.Y.	+0.05	+0.6	Apr. 25 P.	+0.05	+0.2	B. D. -18° 4302		
5 Ei.Y.	46.58	25.8 W.	15 Br.	+0.04	+0.2	26 L.	+0.04	+0.2	$\alpha = 16^h 32^m$		
1905			16 M.	+0.05	+0.3	1911			$\delta = -18^\circ 37'$		
Apr. 14 Ei.Y.	46.52	25.5 E.	19 Br.	+0.04	+0.4	Mar. 20 P.	+0.04	0.0	1904		
1906			20 T.	+0.04	+1.6	21 L.	+0.05	0.0	May 4 Ei.Y.	45.21	29.1 W.
Apr. 7 Ei.Y.	46.51	26.3 W.	26 Br.	+0.02	+0.8	23 P.	-0.01	-0.5	5 Ei.Y.	45.22	28.9 W.
Mean.....	46.545	25.90	29 Br.	-0.02	0.0 W.	24 L.	+0.12	+0.7 E.	1905		
Mag. corr.....	-0.012		1905			Mean.....	+0.045	+0.32	Apr. 14 Ei.Y.	45.22	29.4 E.
B. D. -14° 4455			Mar. 1 Y.	+0.06	+1.4 E.	Mag. corr.....	+0.004		1906		
$\alpha = 16^h 30^m$			12 Y.	+0.04	0.0	B. D. -21° 4391			Apr. 7 Ei.Y.	45.21	30.1 W.
$\delta = -14^\circ 26'$			13 Br.	+0.05	+0.6	$\alpha = 16^h 31^m$			Mean.....	45.215	29.38
1904			15 Y.	+0.04	+0.8	$\delta = -21^\circ 51'$			Mag. corr.....	+0.010	
June 13 Ei.Y.	43.24	7.0 W.	25 Br.	+0.01	+0.6	1904			B. D. +37° 2778		
14 Ei.Y.	43.29	7.3 W.	26 Y.	+0.04	+0.4	June 17 Ei.Y.	41.14	10.0 W.	$\alpha = 16^h 33^m$		
1905			27 Br.	+0.03	-0.2	22 Ei.Y.	41.17	10.2 W.	$\delta = +37^\circ 41'$		
June 14 Ei.Y.	43.24	7.6 E.	28 M.	+0.10	0.0	1905			1904		
1906			29 Y.	+0.01	+0.4	Apr. 17 Ei.Y.	41.17	10.2 E.	Apr. 27 Br.	55.17	27.9 E.
June 25 Ei.Y.	43.27	7.7 W.	30 Br.	+0.02	+0.2	1906			30 Y.	...	28.0
Mean.....	43.260	7.40	Apr. 2 Y.	+0.04	+1.0	June 30 Ei.Y.	41.13	9.6 W.	May 2 M.	55.19	28.0
Mag. corr.....	0.000		7 M.	+0.05	+0.4	Mean.....	41.152	10.00	7 Y.	55.15	28.2
σ Herculis			13 Br.	+0.03	+1.7	Mag. corr.....	-0.002		8 Y.	55.09	28.4
$\alpha = 16^h 30^m 52^s.746$			18 M.	+0.04	+0.6	B. D. -16° 4317			12 Y.	55.12	26.8
$\delta = +42^\circ 38' 35''.40$			19 Y.	+0.05	0.0	$\alpha = 16^h 31^m$			20 M.	55.18	28.3
1907			20 Br.	+0.02	+0.2	$\delta = -16^\circ 38'$			21 Br.	55.08	28.0
June 20 P.	-0.10	+0.7 E.	24 Br.	+0.05	+0.5	1904			23 Br.	55.12	28.0
27 Hl.	-0.01	+0.8	May 18 Br.	+0.05	+0.4	Apr. 18 Ei.Y.	52.47	50.3 W.	25 Br.	55.12	28.2
July 23 Hl.	+0.01	+1.2	22 Ei.Y.	+0.04	-0.3	May 24 Ei.Y.	52.46	50.0 W.	27 M.	55.13	28.1
1908			24 Ei.Y.	+0.06	+0.2	1905			June 2 M.	55.11	28.6 E.
Mar. 13 P.	+0.01	+0.5	June 16 Br.	+0.05	+0.4 E.	1906			Mean.....	55.133	28.04
Apr. 6 Fk.	+0.06	+1.0	1906			Apr. 16 Ei.Y.	52.41	49.9 W.	Mag. corr.....	+0.002	
19 M.	0.00	+1.1 E.	Mar. 5 Br.	+0.04	-0.5 W.	Mean.....	52.448	50.18			
			17 Bs.	+0.04	+1.3	Mag. corr.....	-0.003				
			19 Br.	+0.09	-0.4						
			22 Br.	+0.11	-0.1						
			Apr. 1 Bs.	0.00	+0.2						
			15 Bs.	+0.05	+0.1						
			19 Ei.Y.	+0.01	+0.3						
			May 4 Bs.	+0.10	-0.1						
			July 5 Ei.Y.	+0.05	+2.0 W.						

C. P. D. -26° 5701			1905			B. D. -19° 4406			1905		
$\alpha = 16^h 34^m$ $\delta = -26^\circ 7'$			June 1 Ei.Y. 21.59 41.3 E.			$\alpha = 16^h 36^m$ $\delta = -19^\circ 43'$			Apr. 17 Ei.Y. 40.08 49.0 E.		
1904			1906			1904			1906		
June 13 Ei.Y. 4.13 27.4 W.			Apr. 16 Ei.Y. 21.00 40.5 W.			May 4 Ei.Y. 0.97 56.7 W.			June 30 Ei.Y. 40.02 48.0 W.		
14 Ei.Y. 4.12 28.6 W.			Mean..... 21.592 40.78			5 Ei.Y. 1.01 56.9 W.			Mean..... 40.055 48.40		
1905			Mag. corr..... -0.001			1905			Mag. corr..... +0.006		
June 14 Ei.Y. 4.21 28.8 E.			C. P. D. -24° 5720			Apr. 14 Ei.Y. 0.93 56.6 E.			C. P. D. -26° 5712		
1906			$\alpha = 16^h 35^m$ $\delta = -24^\circ 16'$			1906			$\alpha = 16^h 37^m$ $\delta = -26^\circ 37'$		
Apr. 19 Ei.Y. 4.12 29.4 W.			1904			Apr. 7 Ei.Y. 0.96 57.6 W.			1904		
Mean..... 4.145 28.53			May 11 Ei.Y. 32.44 25.8 W.			Mean..... 0.968 56.95			Apr. 18 Ei.Y. 40.94 3.1 W.		
Mag. corr..... 0.000			12 Ei.Y. 32.42 25.6 W.			Mag. corr..... -0.006			May 24 Ei.Y. 40.97 2.6 W.		
B. D. -20° 4537			1905			42 Herculis			1905		
$\alpha = 16^h 34^m$ $\delta = -20^\circ 12'$			May 19 Ei.Y. 32.40 25.2 E.			$\alpha = 16^h 36^m$ $\delta = +49^\circ 7'$			June 1 Ei.Y. 40.94 3.5 E.		
1904			1906			1904			1906		
June 17 Ei.Y. 40.76 48.6 W.			June 25 Ei.Y. 32.44 25.9 W.			Mar. 16 R. 1.97 26.7 W.			Apr. 16 Ei.Y. 40.89 2.2 W.		
22 Ei.Y. 40.78 47.8 W.			Mean..... 32.425 25.62			18 M. 1.92 25.7			Mean..... 40.935 2.85		
1905			Mag. corr..... +0.022			25 M. 2.02 26.5 W.			Mag. corr..... +0.013		
Apr. 17 Ei.Y. 40.76 48.0 E.			24 Scorpil			1905			C. P. D. -27° 5463		
1906			$\alpha = 16^h 35^m$ $\delta = -17^\circ 32'$			Mar. 13 Br. 1.84 26.2 E.			$\alpha = 16^h 38^m$ $\delta = -27^\circ 16'$		
June 30 Ei.Y. 40.73 47.8 W.			1904			15 Y. 1.91 25.9			1904		
Mean..... 40.758 48.05			June 8 Ei.Y. 47.28 54.8 W.			25 Br. 1.96 26.6			May 11 Ei.Y. 4.95 4.8 W.		
Mag. corr..... +0.017			15 M. 47.28 54.7			28 M. 1.96 26.4			12 Ei.Y. 4.97 5.2 W.		
70 B. Ursae Minoris			1905			Apr. 13 Br. 1.87 27.2 E.			1905		
$\alpha = 16^h 34^m$ $\delta = +77^\circ 38'$			1906			Apr. 1 Bs. 1.96 26.0 W.			May 19 Ei.Y. 4.92 4.7 E.		
1905			July 1 Br. 47.27			15 Bs. 1.96 26.3 W.			1906		
Mar. 12 Y. 55.96 45.5 E.			15 Br. 47.27 54.5			Mean..... 1.937 26.35			June 25 Ei.Y. 4.95 4.7 W.		
26 Y. 56.05 45.2			16 M. 47.32 54.6			Mag. corr..... 0.000			Mean..... 4.948 4.85		
Apr. 2 Y. 55.98 45.7			19 Br. 47.31 54.2			B. D. -21° 4403			C. P. D. -28° 5395		
9 Y. 56.00 45.8			24 T. 55.0			$\alpha = 16^h 37^m$ $\delta = -21^\circ 9'$			$\alpha = 16^h 38^m$ $\delta = -28^\circ 19'$		
20 Br. 55.96 45.6			26 Br. 47.28 54.2			1904			1904		
24 Br. 56.13 45.5			29 Br. 47.32 54.0			June 13 Ei.Y. 5.37 7.4 W.			June 8 Ei.Y. 44.90 24.6 W.		
May 18 Br. 56.15 45.1 E.			Aug. 2 Br. 47.30 55.0 W.			14 Ei.Y. 5.35 7.2 W.			11 Ei.Y. 44.91 23.8 W.		
1906			1905			1905			1905		
May 4 Bs. 56.09 46.1 W.			June 3 Ei.Y. 47.32 54.8 E.			June 14 Ei.Y. 5.36 7.6 E.			June 3 Ei.Y. 44.85 23.7 E.		
1908			1906			Apr. 19 Ei.Y. 5.30 8.3 W.			1906		
May 10 M. 55.92 47.0			June 11 Ei.Y. 47.31 53.7 W.			Mean..... 5.345 7.62			June 11 Ei.Y. 44.83 23.0 W.		
June 13 Fk. 56.01 46.7			1907			Mag. corr..... -0.002			Mean..... 44.872 23.78		
14 P. 56.02 46.9			Apr. 21 M. 47.34 54.7 E.			5 Herculis			Mag. corr..... +0.023		
16 P. 55.83 46.9 W.			25 Hl. 47.34 55.8			$\alpha = 16^h 37^m 30^s.778$ $\delta = +31^\circ 47' 3''.97$			B. D. -22° 4205		
Mean..... 56.008 46.00			27 P. 47.29 54.3			1904			$\alpha = 16^h 39^m$ $\delta = -22^\circ 59'$		
Mag. corr..... +0.015			1908			Mar. 4 R. +0.13 -0.3 W.			1904		
70 B. Ursae Minoris s. P.			Mar. 20 P. 47.26 55.5			23 R. +0.09 0.0			May 7 Ei.Y. 7.74 51.3 W.		
$\alpha = 16^h 34^m$ $\delta = +77^\circ 38'$			1909			29 M. +0.05 0.0			27 Ei.Y. 7.78 51.3		
1904			June 30 L. 47.33 54.6			May 25 Br. +0.07 +0.6			1906		
Sept. 21 T. 56.14 46.6 E.			July 28 M. 47.32 55.0			29 R. +0.05 +0.9			June 22 Ei.Y. 7.72 51.2 W.		
Oct. 4 M. 56.21 45.8 E.			1910			June 12 R. +0.06 +1.3			1907		
1905			Mar. 4 L. 47.35 55.2			July 30 M. +0.05 0.0 W.			June 17 Ei.M. 7.75 51.3 E.		
Sept. 13 Bs. 55.94 45.2 W.			May 23 M. 47.33 55.4 E.			1905			Mean..... 7.748 51.28		
29 Hl. 56.46 45.0			Mean..... 47.308 54.75			June 16 Br. +0.08 +0.3 E.			Mag. corr..... +0.013		
Nov. 11 Hl. 56.17 45.7 W.			Mag. corr..... +0.001			1907			7 Herculis		
1907			B. D. -16° 4327			June 20 P. -0.03 +0.3			$\alpha = 16^h 39^m 28^s.057$ $\delta = +39^\circ 6' 43''.71$		
Oct. 1 P. 55.98 46.5 E.			$\alpha = 16^h 35^m$ $\delta = -16^\circ 44'$			July 19 M. -0.01 +0.6			1905		
2 M. 55.99 46.4			1904			23 Hl. -0.04 +0.5			Mar. 12 Y. -0.03 +0.4 E.		
21 Hl. 56.26 45.8 E.			May 7 Ei.Y. 48.80 22.4 W.			26 Hl. +0.09 +0.5 E.			29 Y. -0.03 +0.8		
1909			27 Ei.Y. 48.82 22.8			Mean..... +0.049 +0.39			30 Br. -0.10 +0.6		
Jan. 25 M. 55.88 47.4 W.			1906			B. D. -22° 4196			Apr. 7 M. +0.07 +0.6		
26 L. 56.19 46.7 W.			June 22 Ei.Y. 48.78 22.1 W.			$\alpha = 16^h 37^m$ $\delta = -22^\circ 32'$			9 Y. +0.02 +0.8 E.		
Mean..... 56.122 46.11			1907			1904			1906		
Mag. corr..... +0.009			June 17 Ei.M. 48.86 22.8 E.			June 17 Ei.Y. 40.07 48.2 W.			Mar. 5 Br. +0.03 -0.1 W.		
B. D. -15° 4369			Mean..... 48.815 22.52			22 Ei.Y. 40.05 48.4 W.					
$\alpha = 16^h 35^m$ $\delta = -15^\circ 9'$			Mag. corr..... -0.002								
1904											
Apr. 18 Ei.Y. 21.60 40.6 W.											
May 24 Ei.Y. 21.58 40.7 W.											

<p>1906 Mar. 17 Bs. -0.03 +1.2 W. 19 Br. -0.03 -0.5 22 Br. +0.04 -0.9 Apr. 15 Bs. +0.06 +0.5 W.</p> <p>Mean..... 0.000 +0.34 Mag. corr..... -0.006</p> <p>B. D. +36° 2772 α = 16^h 39^m δ = +36° 41'</p> <p>1905 Apr. 27 Br. 30.30 49.0 E. 30 Y. 30.35 49.0 May 2 M. 30.31 49.1 7 Y. 30.36 49.0 8 Y. 30.32 48.8 12 Y. 30.29 49.0 20 M. 30.32 48.7 21 Br. 30.33 49.2 23 Br. 30.32 49.0 25 Br. 30.34 48.7 27 M. 30.26 49.4 June 2 M. 30.31 48.9 E.</p> <p>Mean..... 30.318 48.98 Mag. corr..... +0.012</p> <p>B. D. -18° 4320 α = 16^h 39^m δ = -18° 57'</p> <p>1904 May 4 Ei.Y. 39.27 7.7 W. 5 Ei.Y. 39.28 7.5 W.</p> <p>1905 Apr. 14 Ei.Y. 39.29 7.4 E.</p> <p>1906 Apr. 7 Ei.Y. 39.26 8.4 W.</p> <p>Mean..... 39.275 7.75 Mag. corr..... +0.013</p> <p>B. D. -16° 4344 α = 16^h 40^m δ = -16° 43'</p> <p>1904 June 13 Ei.Y. 19.83 0.5 W. 14 Ei.Y. 19.84 0.7 W.</p> <p>1905 June 14 Ei.Y. 19.84 0.9 E.</p> <p>1906 Apr. 19 Ei.Y. 19.81 1.4 W.</p> <p>Mean..... 19.830 0.88 Mag. corr..... -0.008</p> <p>C. P. D. -25° 5855 α = 16^h 40^m δ = -25° 20'</p> <p>1904 June 17 Ei.Y. 43.95 46.6 W. 22 Ei.Y. 43.92 47.6 W.</p> <p>1905 Apr. 17 Ei.Y. 43.92 47.9 E.</p> <p>1906 June 30 Ei.Y. 43.92 47.1 W.</p> <p>Mean..... 43.928 47.30 Mag. corr..... +0.016</p>	<p>C. P. D. -28° 5423 α = 16^h 42^m δ = -28° 56'</p> <p>1904 Apr. 18 Ei.Y. 58.20 43.5 W. May 24 Ei.Y. 58.25 43.8 W.</p> <p>1905 June 14 Ei.Y. 58.24 43.4 E.</p> <p>1906 Apr. 16 Ei.Y. 58.14 43.1 W.</p> <p>Mean..... 58.208 43.45 Mag. corr..... 0.000</p> <p>B. D. -20° 4563 α = 16^h 43^m δ = -20° 16'</p> <p>1904 May 11 Ei.Y. 7.02 44.3 W. 12 Ei.Y. 7.08 45.1 W.</p> <p>1905 May 19 Ei.Y. 7.07 45.3 E.</p> <p>1906 June 25 Ei.Y. 7.07 45.0 W.</p> <p>Mean..... 7.060 44.92 Mag. corr..... -0.012</p> <p>B. D. +77° 633 α = 16^h 43^m δ = +77° 51'</p> <p>1907 June 20 P. 18.09 20.0 E. 21 M. 18.08 19.0 E.</p> <p>Mean..... 18.085 19.50 Mag. corr..... -0.008</p> <p>114 B. Draconis α = 16^h 43^m 24°.046 δ = +56° 57' 38".32</p> <p>1904 Mar. 16 R. -0.05 +0.1 W. 18 M. -0.12 +0.2 22 M. -0.12 +0.2 23 R. -0.03 -0.3 25 M. -0.04 +0.9 28 Br. -0.07 -0.3 29 M. -0.08 -0.3 Apr. 1 M. -0.12 +0.6 2 M. -0.19 -0.6 3 R. -0.08 -0.6 4 Br. -0.06 -0.4 5 M. -0.08 +0.2 12 M. -0.14 -0.6 13 R. -0.08 +0.4 19 M. -0.07 -0.2 20 R. -0.09 +0.3 22 M. -0.11 +0.6 May 13 M. -0.16 0.0 29 R. -0.02 +0.8 W.</p> <p>1907 Apr. 19 P. -0.16 +0.7 E. 25 Hl. -0.09 -0.2 June 23 P. -0.17 +0.4 27 Hl. -0.13 0.0 July 3 P. -0.09 -0.1 E.</p> <p>Mean..... -0.098 +0.08 Mag. corr..... +0.001</p>	<p>B. D. -21° 4422 α = 16^h 43^m δ = -21° 40'</p> <p>1904 June 8 Ei.Y. 37.15 35.0 W. 11 Ei.Y. 37.15 35.0 W.</p> <p>1905 June 3 Ei.Y. 37.17 35.7 E.</p> <p>1906 June 11 Ei.Y. 37.03 35.2 W.</p> <p>Mean..... 37.125 35.22 Mag. corr..... +0.005</p> <p>18 Ophiuchi α = 16^h 43^m δ = -24° 27'</p> <p>1904 Mar. 8 R. 39.26 53.6 W. May 7 Ei.Y. 39.14 53.3 27 Ei.Y. 39.15 53.1 June 15 M. 39.16 53.8 24 M. 39.17 54.3 July 16 M. 39.17 53.8 24 T. 53.6 26 Br. 39.13 52.7 29 Br. 39.17 53.5 30 M. 39.11 53.3 Aug. 2 Br. 39.11 52.9</p> <p>1906 June 22 Ei.Y. 39.17 53.6 W.</p> <p>1907 Apr. 24 M. 39.18 53.0 E. June 17 Ei.M. 39.19 53.9 July 23 Hl. 39.23 54.5 27 P. 39.15 52.5</p> <p>1908 Mar. 13 P. 39.16 53.1 Apr. 6 Fk. 39.23 53.4 E.</p> <p>Mean..... 39.169 53.44 Mag. corr..... +0.009</p> <p>ε Scorpii α = 16^h 43^m 40°.789 δ = -34° 6' 44".18</p> <p>1904 June 12 R. +0.11 +1.2 W.</p> <p>1905 Mar. 13 Br. +0.10 +0.5 E. 15 Y. +0.05 +1.6 28 M. +0.06 +0.2 Apr. 13 Br. +0.12 +2.4 18 M. +0.02 +2.9 19 Y. +0.10 +1.3 E.</p> <p>1906 Mar. 5 Br. +0.12 +1.2 W Apr. 15 Bs. +0.08 +1.1</p> <p>1908 June 26 M. +0.06 +1.1 27 Fk. +0.15 +1.7 W.</p> <p>Mean..... +0.088 +1.38 Mag. corr..... +0.007</p> <p>B. D. -15° 4395 α = 16^h 43^m δ = -15° 29'</p> <p>1904 May 4 Ei.Y. 44.95 33.9 W. 5 Ei.Y. 45.00 34.5 W.</p> <p>1905 Apr. 14 Ei.Y. 44.92 34.7 E.</p>	<p>1906 Apr. 7 Ei.Y. 44.92 35.3 W.</p> <p>Mean..... 44.948 34.60 Mag. corr..... +0.022</p> <p>C. P. D. -23° 6401 α = 16^h 43^m δ = -23° 16'</p> <p>1904 June 13 Ei.Y. 57.28 26.4 W. 14 Ei.Y. 57.32 26.2 W.</p> <p>1905 June 14 Ei.Y. 57.36 26.0 E.</p> <p>1906 Apr. 19 Ei.Y. 57.30 26.8 W.</p> <p>Mean..... 57.315 26.35 Mag. corr..... -0.001</p> <p>B. D. -18° 4332 α = 16^h 43^m δ = -18° 5'</p> <p>1904 June 17 Ei.Y. 58.21 8.6 W. 22 Ei.Y. 58.15 8.2 W.</p> <p>1905 Apr. 17 Ei.Y. 58.20 8.9 E.</p> <p>1906 June 30 Ei.Y. 58.22 8.5 W.</p> <p>Mean..... 58.195 8.55 Mag. corr..... -0.008</p> <p>C. P. D. -26° 5738 α = 16^h 43^m δ = -26° 34'</p> <p>1904 Apr. 18 Ei.Y. 59.70 2.8 W. May 24 Ei.Y. 59.74 2.9 W.</p> <p>1905 May 24 Ei.Y. 3.2 E. June 1 Ei.Y. 59.68 3.6 E.</p> <p>1906 Apr. 16 Ei.Y. 59.62 2.9 W.</p> <p>Mean..... 59.685 3.08 Mag. corr..... +0.007</p> <p>B. D. +39° 3044 α = 16^h 44^m δ = +39° 37'</p> <p>1905 Apr. 27 Br. 12.31 23.0 E. 30 Y. 12.29 22.8 May 2 M. 12.31 22.8 7 Y. 12.34 22.7 8 Y. 12.33 23.3 12 Y. 12.34 22.8 20 M. 12.30 22.7 21 Br. 12.22 22.6 23 Br. 12.32 22.7 25 Br. 12.27 22.8 27 M. 12.34 22.7 June 2 M. 12.27 23.0 E.</p>
--	--	---	--

1906			C. P. D. -25° 5875		
May 4 Bs.	+0.09	+0.4 W.	$\alpha = 16^h 46^m$		
1907			$\delta = -25^\circ 25'$		
Apr. 21 M.	-0.02	0.0 E.	1904		
June 22 P.	+0.05	+0.4	May 4 Ei.Y.	7.87	51.1 W.
July 19 M.	0.00	+0.4	5 Ei.Y.	7.80	50.6 W.
1908			1905		
Mar. 20 P.	-0.05	-0.4	Apr. 14 Ei.Y.	7.86	50.8 E.
25 M.	-0.02	+0.3 E.	1906		
June 13 Fk.	-0.03	0.0 W.	Apr. 7 Ei.Y.	7.84	51.6 W.
14 P.	+0.02	+0.2 W.	Mean.....	7.842	51.02
Mean.....	+0.006	+0.11	Mag. corr.....	+0.013	
Mag. corr.....	+0.004				
C. P. D. -27° 5499			B. D. -20° 4572		
$\alpha = 16^h 44^m$			$\alpha = 16^h 47^m$		
$\delta = -27^\circ 48'$			$\delta = -20^\circ 14'$		
1904			1904		
May 11 Ei.Y.	50.92	25.9 W.	June 13 Ei.Y.	30.86	53.5 W.
12 Ei.Y.	50.95	27.0 W.	14 Ei.Y.	30.86	53.1 W.
1905			1905		
May 19 Ei.Y.	50.97	27.3 E.	June 14 Ei.Y.	30.95	53.8 E.
1906			1906		
June 25 Ei.Y.	50.96	27.3 W.	Apr. 19 Ei.Y.	30.84	54.1 W.
Mean.....	50.950	26.88	Mean.....	30.878	53.62
Mag. corr.....	-0.005		Mag. corr.....	+0.024	
B. D. -16° 4360			49 Hercules		
$\alpha = 16^h 45^m$			$\alpha = 16^h 47^m 31^s.680$		
$\delta = -16^\circ 22'$			$\delta = +15^\circ 8' 30'' .67$		
1904			1904		
June 8 Ei.Y.	10.70	27.6 W.	Mar. 8 R.	+0.06	+0.9 W.
11 Ei.Y.	10.65	27.7 W.	18 M.	0.00	+0.5
1905			25 M.	+0.09	
June 3 Ei.Y.	10.64	27.7 E.	28 Br.	0.00	+1.0
1906			Apr. 1 M.	-0.02	+0.3
June 11 Ei.Y.	10.58	28.1 W.	2 M.	-0.03	0.0
Mean.....	10.642	27.78	4 Br.	+0.01	+0.3
Mag. corr.....	+0.012		5 M.	-0.02	+0.5
B. D. -18° 4336			12 M.	-0.06	+0.1
$\alpha = 16^h 45^m$			13 R.	-0.02	+0.1
$\delta = -19^\circ 0'$			14 Br.	-0.04	+0.1
1904			19 M.	+0.03	0.0
May 7 Ei.Y.	18.84	53.0 W.	20 R.	-0.03	+0.4
27 Ei.Y.	18.89	53.5	22 M.	+0.01	+0.1
1906			May 13 M.	-0.02	+0.8
June 22 Ei.Y.	18.84	53.8 W.	25 Br.	+0.03	+0.6 W.
1907			1907		
June 17 Ei.M.	18.94	53.3 E.	Apr. 21 M.	-0.02	+1.1 E.
Mean.....	18.878	53.40	25 Hl.	+0.01	+1.0
Mag. corr.....	-0.001		June 23 P.	-0.01	+0.9
k Hercules			July 3 P.	-0.04	+1.1
$\alpha = 16^h 45^m$			1908		
$\delta = +7^\circ 25'$			Apr. 9 Fk.	-0.02	+0.6
1905			1909		
Mar. 12 Y.	27.98	13.0 E.	July 15 M.	-0.05	+0.7
26 Y.	28.04	14.1	27 P.	+0.03	+1.5
29 Y.	28.06	13.1	28 M.	0.00	+0.6
30 Br.	28.02	13.7	Aug. 2 L.	-0.01	+0.9
Apr. 2 Y.	28.07	13.9 E.	4 L.	0.00	+0.8
1908			7 P.	-0.04	+0.4
June 16 P.	28.11	13.9 W.	9 L.	[-0.04] [+1.4]	
18 M.	28.03	12.9	10 P.	[-0.07] [+1.2]	
20 Fk.	28.17	12.8	16 P.	[+0.06] [+0.6] E.	
23 Fk.	28.03	12.8 W.	Mean.....	-0.006	+0.59
Mean.....	28.062	13.36	Mag. corr.....	+0.013	
Mag. corr.....	-0.004		B. D. -17° 4646		
			$\alpha = 16^h 48^m$		
			$\delta = -17^\circ 48'$		
			1904		
			June 17 Ei.Y.	8.50	38.3 W.
			22 Ei.Y.	8.46	38.7 W.
			1905		
			June 3 Ei.Y.	48.19	53.4 E.
			1906		
			June 11 Ei.Y.	48.14	52.7 W.
			Mean.....	48.178	53.15
			Mag. corr.....	+0.012	
			C. P. D. -23° 6414		
			$\alpha = 16^h 48^m$		
			$\delta = -23^\circ 20'$		
			1904		
			June 8 Ei.Y.	48.18	53.3 W.
			11 Ei.Y.	48.20	53.2 W.
			1905		
			June 3 Ei.Y.	48.19	53.4 E.
			1906		
			June 11 Ei.Y.	48.14	52.7 W.
			Mean.....	48.178	53.15
			Mag. corr.....	+0.012	
			C. P. D. -24° 5768		
			$\alpha = 16^h 48^m$		
			$\delta = -24^\circ 20'$		
			1904		
			May 7 Ei.Y.	51.96	41.1 W.
			27 Ei.Y.	52.03	41.6
			1906		
			June 22 Ei.Y.	52.01	41.4 W.
			1907		
			June 17 Ei.M.	52.05	41.8 E.
			Mean.....	52.012	41.48
			Mag. corr.....	-0.005	
			53 Hercules		
			$\alpha = 16^h 49^m$		
			$\delta = +31^\circ 52'$		
			1904		
			Mar. 23 R.	10.52	1.1 W.
			June 24 M.	10.51	1.4
			July 1 Br.	10.49	
			16 M.	10.46	1.5
			19 Br.	10.47	1.9
			24 T.		1.5
			26 Br.	10.51	1.7
			29 Br.	10.47	1.9
			Aug. 2 Br.	10.47	2.1 W.
			1907		
			Apr. 19 P.	10.43	1.1 E.
			24 M.	10.51	1.7
			June 22 P.	10.44	1.7
			July 23 Hl.	10.43	1.7
			27 P.	10.52	2.9 E.
			Mean.....	10.479	1.71
			Mag. corr.....	-0.002	
			i Ophiuchi		
			$\alpha = 16^h 49^m$		
			$\delta = +10^\circ 19'$		
			1903		
			Sept. 25 R.	[16.60] [48.2] W.	
			1904		
			June 12 R.	16.56	48.5
			July 20 T.	16.57	48.7 W.
			1905		
			Apr. 20 Br.	16.53	48.2 E.
			23 Y.	16.58	48.1
			24 Br.	16.61	48.1
			May 18 Br.	16.56	47.4 E.
			1906		
			Mar. 5 Br.	16.57	47.6 W.
			17 Bs.	16.53	48.0
			19 Br.	16.61	46.8 W.
			1907		
			July 19 M.	16.59	47.8 E.
			Mean.....	16.571	47.92
			Mag. corr.....	+0.008	
			B. D. -21° 4449		
			$\alpha = 16^h 49^m$		
			$\delta = -21^\circ 24'$		
			1904		
			May 4 Ei.Y.	34.90	27.7 W.
			5 Ei.Y.	34.87	27.4 W.
			1905		
			Apr. 14 Ei.Y.	34.86	28.0 E.
			1906		
			July 5 Ei.Y.	34.86	26.6 W.
			Mean.....	34.872	27.42
			Mag. corr.....	+0.014	

B. D. +31° 2927			1906			1906			B. D. -18° 4372		
$\alpha = 16^h 50^m$			June 25 Ei.Y. 11.38 53.0 W.			Mar. 5 Br. +0.06 -0.1 W.			$\alpha = 16^h 53^m$		
$\delta = +31^\circ 19'$			Mean..... 11.385 52.70			Apr. 1 Bs. +0.04 +0.4			$\delta = -18^\circ 5'$		
1907			C. P. D. -27° 5531 (pr.)			May 4 Bs. +0.09 +0.5			1904		
July 3 P. 2.05 16.5 E.			$\alpha = 16^h 51^m$			July 19 Bs. +0.06 ...			June 17 Ei.Y. 54.98 34.6 W.		
8 Hl. 2.08 16.2 E.			$\delta = -27^\circ 27'$			21 Bs. +0.08 ...			22 Ei.Y. 54.94 34.5 W.		
Mean..... 2.065 16.35			1904			28 Bs. +0.03 ... W.			1905		
Mag. corr. +0.001			June 8 Ei.Y. 39.84 13.4 W.			May 19 M. +0.10 ... E.			Apr. 17 Ei.Y. 54.92 35.0 E.		
B. D. -16° 4371			11 Ei.Y. 39.86 12.6 W.			July 16 Ei.M. +0.07 +0.1			1906		
$\alpha = 16^h 50^m$			1905			20 M. +0.10 +0.5			June 30 Ei.Y. 54.92 34.4 W.		
$\delta = -16^\circ 38'$			June 3 Ei.Y. 39.84 13.3 E.			25 Ei.M. +0.06 +0.5			Mean..... 54.940 34.62		
1904			1906			27 P. +0.06 +0.6			Mag. corr. +0.017		
June 13 Ei.Y. 15.49 48.2 W.			June 11 Ei.Y. 39.81 12.8 W.			30 Ei.M. +0.06 +0.6			C. P. D. -24° 5784		
14 Ei.Y. 15.46 47.5 W.			Mean..... 39.838 13.02			31 P. +0.01 +0.7			$\alpha = 16^h 54^m$		
1905			Mag. corr. +0.002			1908			$\delta = -24^\circ 50'$		
June 14 Ei.Y. 15.47 47.8 E.			B. D. -19° 4474			Feb. 24 Hl. [0.00] ...			1904		
1906			$\alpha = 16^h 52^m$			Mar. 13 P. +0.06 +0.9			Apr. 18 Ei.Y. 1.96 11.3 W.		
Apr. 19 Ei.Y. 15.37 48.6 W.			$\delta = -19^\circ 38'$			20 P. +0.01 ...			May 24 Ei.Y. 1.97 11.4 W.		
Mean..... 15.448 48.02			1904			24 P. +0.03 +0.8			1905		
Mag. corr. +0.017			May 7 Ei.Y. 0.21 5.3 W.			25 M. +0.02 +0.5			June 8 Ei.Y. 1.90 12.0 E.		
C. P. D. -26° 5766			27 Ei.Y. 0.23 5.9			Apr. 3 P. 0.00 +0.4			1906		
$\alpha = 16^h 50^m$			1906			6 Fk. +0.04 +1.2			Apr. 16 Ei.Y. 1.90 11.3 W.		
$\delta = -26^\circ 47'$			June 22 Ei.Y. 0.24 5.9 W.			16 Fk. +0.08 +1.0			Mean..... 1.932 11.50		
1904			1907			17 P. +0.01 +0.4			Mag. corr. +0.026		
June 17 Ei.Y. 45.71 34.1 W.			June 17 Ei.M. 0.29 6.8 E.			20 P. +0.02 +1.3			C. P. D. -28° 5491		
22 Ei.Y. 45.76 34.6 W.			Mean..... 0.242 5.98			21 Fk. +0.02 +1.0 E.			$\alpha = 16^h 54^m$		
1905			Mag. corr. -0.007			May 1 Fk. +0.01 0.0 W.			$\delta = -28^\circ 29'$		
Apr. 17 Ei.Y. 45.70 34.6 E.			κ Ophiuchi			June 13 Fk. +0.04 +0.4			1904		
1906			$\alpha = 16^h 52^m 55^s.943$			14 P. +0.05 +0.3			May 11 Ei.Y. 11.39 0.4 W.		
June 30 Ei.Y. 45.72 34.3 W.			$\delta = +9^\circ 31' 49''.25$			16 P. -0.01 +1.7			12 Ei.Y. 11.44 0.9 W.		
Mean..... 45.722 34.40			1904			18 M. +0.04 +0.9			1905		
Mag. corr. -0.013			Mar. 8 R. +0.04 +0.4 W.			July 8 Fk. +0.01 +0.8			May 19 Ei.Y. 11.48 1.8 E.		
24 Ophiuchi			16 R. +0.06 +0.2			9 M. +0.02 ...			1906		
$\alpha = 16^h 50^m$			18 M. +0.02 +0.8			10 P. +0.13 ...			June 25 Ei.Y. 11.55 1.2 W.		
$\delta = -22^\circ 59'$			22 M. +0.07 +0.5			16 M. +0.08 +0.6			Mean..... 11.465 1.08		
1904			23 R. +0.02 +0.1			17 P. +0.07 +0.8			Mag. corr. +0.001		
Apr. 18 Ei.Y. 46.14 29.0 W.			25 M. +0.04 -0.2			20 M. +0.06 +1.0			B. D. -21° 4478		
May 24 Ei.Y. 46.13 28.8 W.			28 Br. +0.10 +1.0			27 P. +0.06 +0.8			$\alpha = 16^h 54^m$		
1905			Apr. 1 M. +0.04 +0.5			1909			$\delta = -21^\circ 18'$		
Mar. 13 Br. 46.20 29.4 E.			2 M. +0.03 +0.6			Mar. 16 L. 0.00 +1.4			1904		
15 Y. 46.11 27.9			3 R. 0.00 -0.1			Apr. 9 L. +0.05 +0.5			June 8 Ei.Y. 32.06 33.8 W.		
28 M. 46.16 29.4			4 Br. +0.06 +0.5			22 P. +0.06 +0.8 W.			11 Ei.Y. 32.15 33.6 W.		
Apr. 13 Br. 46.14 27.4			5 M. +0.01 +0.8			Mean..... +0.047 +0.57			1905		
18 M. 46.12 27.8			12 M. +0.07 +0.2			Mag. corr. -0.003			June 3 Ei.Y. 32.10 34.1 E.		
19 Y. 46.17 29.0 E.			13 R. +0.06 +0.5			B. D. -15° 4420			1906		
1906			14 Br. +0.01 +0.4			$\alpha = 16^h 53^m$			June 11 Ei.Y. 32.08 33.4 W.		
Apr. 16 Ei.Y. 46.09 28.2 W.			19 M. +0.08 +1.1			$\delta = -15^\circ 39'$			Mean..... 32.098 33.72		
1907			20 R. +0.04 0.0			1904			Mag. corr. +0.007		
June 17 Ei.M. 46.16 28.9 E.			22 M. +0.03 0.0			May 4 Ei.Y. 14.57 25.4 W.			B. D. -20° 4606		
1908			May 25 Br. +0.09 +0.9			5 Ei.Y. 14.56 24.8 W.			$\alpha = 16^h 55^m$		
June 26 M. 46.14 28.5 W.			29 R. +0.05 +0.3			1905			$\delta = -20^\circ 17'$		
27 Fk. 46.22 29.3			June 24 M. +0.05 +0.6			Apr. 14 Ei.Y. 14.54 25.0 E.			1904		
29 M. 46.13 29.0			July 16 M. +0.01 +0.6			1906			May 7 Ei.Y. 19.77 16.5 W.		
July 1 M. 46.15 28.5			29 Br. +0.02 +0.9			July 5 Ei.Y. 14.55 24.9 W.			27 Ei.Y. 19.73 17.0		
6 M. 46.15 28.5 W.			Aug. 2 Br. +0.03 +0.8			Mean..... 14.555 25.02			1906		
Mean..... 46.147 28.64			6 T. +0.12 +0.7 W.			Mag. corr. 0.000			June 22 Ei.Y. 19.75 17.6 W.		
Mag. corr. -0.006			1905			C. P. D. -24° 5782			1907		
B. D. -19° 4471 (fol.)			Apr. 27 Br. +0.01 +0.5 E.			$\alpha = 16^h 53^m$			June 17 Ei.M. 19.74 18.1 E.		
$\alpha = 16^h 51^m$			May 2 M. +0.02 -0.1			$\delta = -24^\circ 56'$			Mean..... 19.748 17.30		
$\delta = -19^\circ 22'$			7 Y. +0.06 +0.5			1904			Mag. corr. +0.009		
1904			8 Y. +0.07 +0.6			June 13 Ei.Y. 50.25 24.4 W.			B. D. -17° 4685		
May 11 Ei.Y. 11.38 51.8 W.			12 Y. +0.06 +0.1			14 Ei.Y. 50.26 24.8 W.			$\alpha = 16^h 55^m$		
12 Ei.Y. 11.40 52.5 W.			18 Br. +0.08 -0.2			1905			$\delta = -17^\circ 11'$		
1905			20 M. +0.08 +0.9			June 14 Ei.Y. 50.28 25.2 E.			1904		
May 19 Ei.Y. 11.38 53.5 E.			21 Br. +0.04 +0.8			1906			May 4 Ei.Y. 23.98 48.6 W.		
			23 Br. +0.02 +0.5			Apr. 19 Ei.Y. 50.24 25.8 W.			5 Ei.Y. 24.00 48.3 W.		
			25 Br. +0.03 +0.1			Mean..... 50.258 25.05					
			June 2 M. +0.05 +1.1			Mag. corr. +0.024					
			8 Ei.Y. +0.06 +0.5 E.								

1905			1906			1909			C. P. D. -26° 5801						
Apr. 14	Ei. Y.	23.98	48.6 E.	Mar. 17	Bs.	-0.26	+0.2 W.	Feb. 16	P.	-0.21	+0.5 W.	$\alpha = 16^h 56^m$ $\delta = -26^\circ 57'$			
1906				22	Br.	+0.28	-0.7	17	L.	+0.21	+0.2	1904			
July 5	Ei. Y.	24.03	47.6 W.	Apr. 27	Bs.	+0.23	-0.4	18	M.	+0.13	-0.2	June 17	Ei. Y.	51.23	12.6 W.
Mean.....		23.998	48.28	30	Br.	+0.10	0.0	20	L.	-0.04	+0.1	22	Ei. Y.	51.26	12.2 W.
Mag. corr.....		+0.003		1909				25	M.	+0.07	-0.2	1905			
117 G. Scorpii				Feb. 17	M.	[+0.06] [+0.1]		26	P.	+0.07	-0.3	Apr. 17	Ei. Y.	51.22	12.7 E.
$\alpha = 16^h 55^m$				19	L.	[-0.05] [-0.2]		28	P.	-0.12	-0.5	1906			
$\delta = -31^\circ 59'$				24	M.	[+0.27] [+0.4]		Mar. 1	M.	+0.19	0.0	June 30	Ei. Y.	51.22	12.4 W.
1905				25	P.	[-0.05] [-0.3]		5	P.	[-0.11] [+0.4]		Mean.....		51.232	12.48
Mar. 13	Br.	24.64	41.4 E.	26	L.	[+0.10] [+0.1]		11	L.	[+0.07] [-0.1]		Mag. corr.....		+0.006	
28	M.	24.59	41.6	28	M.	[-0.17] [-0.5]		15	M.	[+0.32] [+0.3]	W.	B. D. -22° 4269			
Apr. 13	Br.	24.67	40.6	Mar. 4	P.	0.00	-0.4	Aug. 23	L.	[+0.25] [+1.1]	E.	$\alpha = 16^h 57^m$ $\delta = -23^\circ 0'$			
19	Y.	24.67	41.3	7	M.	-0.23	+0.4	24	P.	[+0.29] [+0.1]		1904			
1907				10	L.	+0.03	+0.2	Sept. 1	L.	[-0.24] [+0.8]		Apr. 18	Ei. Y.	19.19	28.2 W.
Apr. 19	P.	24.67	41.8 E.	11	P.	+0.17	-0.4	10	L.	[-0.12] [+0.7]		May 24	Ei. Y.	19.25	28.6 W.
1908				15	P.	0.00	-0.4 W.	12	M.	[+0.16] [+0.4]		1905			
June 26	M.	24.63	40.5 W.	Aug. 23	L.	[+0.04] [-1.2] E.		14	M.	-0.34	+0.1	June 8	Ei. Y.	19.24	28.6 E.
27	Fk.	24.64	41.6	24	P.	[+0.26] [0.0]		17	P.	-0.12	+1.3	1906			
29	M.	24.66	42.4	25	L.	[+0.11] [-0.3]		18	P.	-0.03	+0.8	Apr. 16	Ei. Y.	19.24	27.9 W.
July 1	M.	24.67	41.6	27	L.	[-0.05] [-0.2]		19	M.	+0.04	-0.2	Mean.....		19.230	28.32
6	M.	24.57	40.7 W.	Sept. 1	L.	[-0.02] [-0.7]		24	P.	-0.14	+0.3	Mag. corr.....		+0.003	
Mean.....		24.641	41.35	7	P.	[-0.12] [+0.5]		26	M.	-0.04	+0.4	C. P. D. -25° 5921			
Mag. corr.....		0.000		8	L.	+0.09	-0.6	Oct. 26	L.	+0.24	+0.5	$\alpha = 16^h 57^m$ $\delta = -25^\circ 33'$			
30 Ophiuchi				11	L.	-0.04	-0.1	28	P.	+0.07	-0.2	1904			
$\alpha = 16^h 55^m 47^s.223$				14	P.	-0.15	+0.5	30	P.	+0.34	+0.9	Apr. 18	Ei. Y.	19.19	28.2 W.
$\delta = -4^\circ 4' 22''.26$				17	M.	-0.11	+0.7	1910				May 24	Ei. Y.	19.25	28.6 W.
1904				18	P.	-0.10	+0.1	Feb. 18	P.	+0.05	+1.3	1905			
July 20	T.	-0.04	+0.9 W.	21	P.	+0.10	+0.3	19	L.	-0.11	+0.6	June 8	Ei. Y.	19.24	28.6 E.
1907				23	P.	+0.28	+0.2	22	P.	+0.05	+0.5	1906			
Apr. 25	Hi.	-0.06	+0.8 E.	Oct. 22	M.	+0.32	-0.3	25	P.	+0.14	+0.3	Apr. 16	Ei. Y.	19.24	27.9 W.
May 4	Hi.	-0.06	+0.6	25	M.	+0.04	+0.1	Mar. 3	M.	-0.05	-0.5	Mean.....		19.230	28.32
July 19	M.	-0.03	+0.6	28	M.	-0.18	+0.4	4	P.	[+0.05] [+0.5]		C. P. D. -25° 5921			
27	P.	-0.08	+1.8	Nov. 1	M.	[+0.69] [+0.8]		5	L.	[+0.08] [+0.4]		$\alpha = 16^h 57^m$ $\delta = -25^\circ 33'$			
1908				1910				7	M.	[-0.01] [+0.1]		1904			
Mar. 20	P.	-0.06	+0.4 E.	Feb. 22	L.	[-0.03] [-0.2]		8	P.	[+0.07] [0.0]		May 11	Ei. Y.	51.45	.... W.
May 24	M.	-0.05	+0.5 W.	24	P.	0.00	-0.6	15	L.	[-0.23] [+0.2]		12	Ei. Y.	51.46	19.1 W.
July 9	M.	-0.11	+0.9	25	L.	[+0.04] [-0.6]		17	L.	[-0.02] [+0.4]		1905			
10	P.	-0.10	+0.9 W.	Mar. 4	L.	+0.27	-0.3	1911				May 19	Ei. Y.	51.52	19.4 E.
Mean.....		-0.066	+0.82	5	P.	-0.09	-0.7	Feb. 23	M.	+0.26	-0.9	1906			
Mag. corr.....		0.000		14	L.	-0.13	-0.2	24	P.	-0.14	+0.9	June 25	Ei. Y.	51.51	19.2 W.
B. D. -18° 4381				15	M.	+0.09	+0.2	25	L.	-0.39	-0.3	1907			
$\alpha = 16^h 56^m$				17	P.	-0.16	-0.6	27	M.	-0.03	+0.1	July 16	Ei. M.	51.46	19.5 E.
$\delta = -18^\circ 44'$				21	P.	+0.04	-0.8	Mar. 1	L.	-0.38	+1.3	Mean.....		51.480	19.30
1904				24	P.	+0.17	-0.2	3	P.	+0.17	-0.4	Mag. corr.....		+0.015	
May 28	Ei. Y.	0.19	18.2 W.	1911				9	M.	[+0.11] [-0.6]		d Herculis			
June 13	Ei. Y.	0.20	17.9 W.	Feb. 24	L.	[-0.19] [-0.1]		10	P.	[+0.06] [+0.6]		$\alpha = 16^h 57^m 54^s.807$ $\delta = +33^\circ 42' 46''.34$			
1905				27	P.	[-0.29] [+0.2]		11	L.	[+0.20] [+0.9] E.		1904			
June 14	Ei. Y.	0.20	17.8 E.	Mar. 8	M.	-0.17	+0.1	Mean.....				Mar. 16	R.	+0.03	+0.3 W.
1906				10	L.	+0.20	0.0	Mag. corr.....				18	M.	+0.06	-0.1
Apr. 19	Ei. Y.	0.16	18.5 W.	15	M.	-0.53	+0.3	[+0.055][+0.36]				22	M.	+0.09	-0.3
Mean.....		0.188	18.10	16	P.	-0.36	+0.7					25	M.	+0.04	-0.3
Mag. corr.....		+0.019		21	L.	-0.06	0.0					28	Br.	+0.10	+0.7
ϵ Ursae Minoris				Apr. 9	M.	+0.29	+0.4 E.					Apr. 1	M.	+0.12	-0.6
$\alpha = 16^h 56^m 12^s.272$				Mean.....		-0.010	-0.10					2	M.	+0.09	-0.2
$\delta = +82^\circ 12' 7''.67$				Mag. corr.....		+0.005						4	Br.	+0.11	+0.4
1904				[+0.030] [-0.05]								5	M.	+0.13	0.0
July 19	Br.	....	-0.3 W.	ϵ Ursae Minoris s. P.								12	M.	+0.04	+0.1
24	T.	....	-0.3	$\alpha = 16^h 56^m 12^s.272$								13	R.	+0.07	+0.5
26	Br.	+0.11	+0.3	$\delta = +82^\circ 12' 7''.67$								14	Br.	+0.03	+0.4
30	M.	....	+0.6 W.	1904								19	M.	+0.10	-0.3
1905				Sept. 21	T.	-0.13	+1.3 E.					22	M.	+0.11	+0.2
Mar. 12	Y.	....	-0.7 E.	Oct. 1	M.	-0.23	-1.1					13	M.	+0.07	+0.4
26	Y.	....	+0.6	4	M.	+0.06	0.0					16	Br.	+0.08	+0.3
30	Br.	0.00	+0.2	Dec. 22	Br.	-0.37	+0.1					29	R.	+0.06	+0.5
Apr. 2	Y.	....	-0.6	1905								July 29	Br.	+0.09	+0.7
7	M.	+0.11	-0.2	Feb. 14	Br.	....	+0.4 E.					Aug. 2	Br.	+0.03	+1.2 W.
9	Y.	-0.11	+0.4	Oct. 4	Hi.	....	.... W.					1907			
18	M.	-0.13	-0.6 E.	11	Bs.	-0.03	-0.8					Apr. 21	M.	+0.05	+0.4 E.
				1906								June 23	P.	0.00	+0.8
				Feb. 9	Br.	+0.17	+0.2					July 3	P.	+0.03	+0.5
				15	Hi.	-0.09	+1.0					Aug. 8	P.	+0.07	+0.6
				Sept. 24	P.	-0.13	-0.7					1908			
				Oct. 6	Hi.	-0.09	+0.5					Mar. 13	P.	+0.05	+0.6 E.
				11	Hi.	+0.32	+0.4 W.					Mean.....		+0.069	+0.28
												Mag. corr.....		-0.002	

B. D. -15° 4438 $\alpha = 16^h 57^m$ $\delta = -15^\circ 43'$			1906 Apr. 19 Ei.Y. 41.30 55.7 W Mean..... 41.340 55.08 Mag. corr..... +0.009			1905 June 3 Ei.Y. 48.52 55.5 E. 1906 June 11 Ei.Y. 48.48 54.8 W Mean..... 48.510 54.92 Mag. corr..... +0.009			1906 Apr. 19 Ei.Y. 21.76 33.5 W Mean..... 21.810 33.08 Mag. corr..... +0.013		
1904 June 8 Ei.Y. 56.00 25.0 W. 11 Ei.Y. 56.02 24.5 W.			B. D. -20° 4627 $\alpha = 16^h 58^m$ $\delta = -20^\circ 21'$			B. D. -17° 4717 $\alpha = 17^h 2^m$ $\delta = -17^\circ 28'$			98 H ¹ , Hercules $\alpha = 17^h 4^m$ $\delta = +40^\circ 38'$		
1905 June 3 Ei.Y. 55.96 24.6 E. 1906 June 11 Ei.Y. 55.95 23.8 W. Mean..... 55.982 24.48 Mag. corr..... 0.000			1904 June 17 Ei.Y. 49.84 14.0 W. 22 Ei.Y. 49.86 13.8 W. 1905 Apr. 17 Ei.Y. 49.85 14.5 E. 1906 June 30 Ei.Y. 49.78 14.9 W. Mean..... 49.832 14.30 Mag. corr..... +0.021			1904 May 7 Ei.Y. 26.43 34.8 W. 27 Ei.Y. 26.41 35.0 1906 June 22 Ei.Y. 26.43 35.3 W. 1907 June 17 Ei.M. 26.50 35.7 E. Mean..... 26.442 35.20 Mag. corr..... +0.022			1904 June 24 M. 30.94 47.9 W. July 1 Br. 30.95 26 Br. 31.01 47.7 30 M. 30.98 48.7 1906 Apr. 27 Bs. 30.95 47.6 W. 1907 May 12 M. 31.02 47.6 E. July 19 M. 30.95 47.7 Aug. 8 P. 30.98 47.8 1908 Mar. 24 P. 30.92 47.9 25 M. 30.98 48.2 E. Mean..... 30.968 47.90 Mag. corr..... +0.017		
C. P. D. -28° 5517 $\alpha = 16^h 58^m$ $\delta = -28^\circ 26'$			B. D. -21° 4512 $\alpha = 17^h 0^m$ $\delta = -21^\circ 25'$			C. P. D. -23° 6495 $\alpha = 17^h 2^m$ $\delta = -23^\circ 5'$			" η Ophiuchi $\alpha = 17^h 4^m 38^s.533$ $\delta = -15^\circ 36' 3''$		
1904 May 7 Ei.Y. 9.62 3.2 W. 27 Ei.Y. 9.64 4.6 1906 June 22 Ei.Y. 9.70 4.5 W. 1907 June 17 Ei.M. 9.72 4.7 E. Mean..... 9.670 4.25 Mag. corr..... +0.015			1904 Apr. 18 Ei.Y. 13.54 32.6 W. May 24 Ei.Y. 13.55 32.9 W. 1905 June 8 Ei.Y. 13.52 33.6 E. 1906 Apr. 16 Ei.Y. 13.48 33.0 W. Mean..... 13.522 33.02 Mag. corr..... +0.020			1904 May 4 Ei.Y. 30.86 41.1 W. 5 Ei.Y. 30.90 41.0 W. 1905 Apr. 14 Ei.Y. 30.90 40.9 E. 1906 July 5 Ei.Y. 30.87 40.8 W. Mean..... 30.882 40.95 Mag. corr..... -0.008			1903 Sept. 25 R. [+0.08] [-0.2] W. 1904 Mar. 16 R. -0.02 +0.4 18 M. +0.12 +0.4 22 M. +0.12 0.0 23 R. +0.04 +0.8 25 M. +0.09 -0.6 28 Br. +0.05 +0.2 Apr. 1 M. +0.04 +0.9 3 R. +0.05 +0.8 5 M. 0.00 +0.9 12 M. +0.11 +0.5 13 R. +0.03 +0.5 14 Br. +0.03 +0.4 20 R. +0.07 +0.2 22 M. +0.09 +0.4 May 13 M. +0.09 +0.8 16 Br. +0.07 +0.8 28 Ei.Y. +0.09 +1.0 June 8 Ei.Y. +0.10 +0.5 11 Ei.Y. +0.08 +1.2 12 R. +0.07 +1.1 13 Ei.Y. +0.10 +1.3 14 Ei.Y. +0.06 +0.7 17 Ei.Y. +0.06 +0.6 22 Ei.Y. +0.07 +0.7 July 6 Ei.Y. +0.04 +0.8 11 Ei.Y. +0.04 +0.7 20 T. +0.06 +0.9 22 Br. +0.03 +1.0 29 Br. +0.05 +1.2 Aug. 2 Br. +0.06 +1.1 6 T. +0.16 +1.1 11 M. +0.12 +1.1 W.		
B. D. +39° 3074 $\alpha = 16^h 58^m$ $\delta = +39^\circ 51'$			C. P. D. -26° 5818 $\alpha = 17^h 0^m$ $\delta = -26^\circ 22'$			B. D. +35° 2917 $\alpha = 17^h 3^m$ $\delta = +35^\circ 27'$			1905 Mar. 12 Y. 31.49 38.2 20 M. 31.59 38.2 21 Br. 31.49 38.6 23 Br. 31.56 38.2 25 Br. 31.49 38.6 27 M. 31.53 38.4 June 2 M. 31.50 38.1 E. 1906 July 21 Bs. 31.55 W. 26 Bs. 31.62 28 Bs. 31.50 W. Mean..... 31.527 38.37 Mag. corr..... -0.004		
C. P. D. -25° 5924 $\alpha = 16^h 58^m$ $\delta = -25^\circ 30'$			1904 May 11 Ei.Y. 41.41 38.0 W. 12 Ei.Y. 41.33 38.8 W. 1905 May 19 Ei.Y. 41.38 38.2 E. 1906 June 25 Ei.Y. 41.41 38.9 W. Mean..... 41.382 38.48 Mag. corr..... +0.021			1905 May 2 M. 6.52 23.2 E. 7 Y. 6.53 23.2 8 Y. 6.50 23.2 20 M. 6.49 23.0 21 Br. 6.55 23.1 23 Br. 6.54 22.7 27 M. 6.56 22.9 June 2 M. 6.53 23.3 E. 1906 July 19 Bs. 6.59 W. 21 Bs. 6.52 26 Bs. 6.58 28 Bs. 6.62 W. Mean..... 6.544 23.08 Mag. corr..... +0.011			1904 Mar. 23 R. 44.48 41.8 W. Apr. 20 R. 44.47 42.1 June 24 M. 44.52 41.6 July 1 Br. 44.44 1906 Mar. 17 Bs. 44.47 41.5 Apr. 15 Bs. 44.42 41.0 May 3 Br. 44.44 41.9 W. 1907 Apr. 25 Hl. 44.48 41.3 E. May 4 Hl. 44.52 41.4 12 M. 44.50 41.7 June 22 P. 44.41 41.0 23 P. 44.39 41.7 E. Mean..... 44.462 41.55 Mag. corr..... +0.001		
B. D. -17° 4700 $\alpha = 16^h 58^m$ $\delta = -17^\circ 20'$			60 Hercules $\alpha = 17^h 0^m$ $\delta = +12^\circ 52'$			B. D. +30° 2931 $\alpha = 17^h 4^m$ $\delta = +30^\circ 40'$			1905 Mar. 12 Y. +0.04 +0.2 E. 13 Br. +0.09 +0.7 15 Y. +0.10 +0.6 26 Y. +0.12 +0.9 28 M. +0.08 +0.4 30 Br. +0.06 0.0 Apr. 2 Y. +0.07 +1.4 7 M. +0.08 +0.2 9 Y. +0.09 -0.2 13 Br. +0.08 +1.6 18 M. +0.11 +1.0 E.		
1904 May 28 Ei.Y. 41.35 54.9 W. June 13 Ei.Y. 41.35 54.5 W. 1905 June 14 Ei.Y. 41.36 55.2 E.			C. P. D. -24° 5813 $\alpha = 17^h 1^m$ $\delta = -24^\circ 51'$			B. D. -19° 4547 $\alpha = 17^h 4^m$ $\delta = -19^\circ 18'$			1904 June 18 Ei.Y. 21.83 33.3 W. 23 Ei.Y. 21.81 32.5 W. 1905 June 14 Ei.Y. 21.84 33.0 E.		

1905			1911			C. P. D. -27° 5594			1907		
Apr. 19 Y.	+0.10	-0.1 E.	Mar. 24 L.	+0.19	+1.3 E.	$\alpha = 17^h 6^m$			July 16 Ei.M.	0.54	53.2 E.
20 Br.	+0.08	+0.6	30 P.	+0.09	+1.3 E.	$\delta = -27^\circ 38'$			Mean.....	0.548	52.98
23 Y.	+0.05	+0.2	Mean.....	+0.078	+0.53				Mag. corr.....	+0.013	
24 Br.	+0.11	+0.4	Mag. corr.....	+0.004		1904					
May 18 Br.	+0.09	+0.6		[+0.062][-0.12]		May 4 Ei.Y.	9.27	18.4 W.	B. D. -18° 4459		
June 3 Ei.Y.	+0.04	+1.1	B. D. -20° 4661			5 Ei.Y.	9.29	17.9 W.	$\alpha = 17^h 8^m$		
8 Ei.Y.	+0.03	+0.7	$\delta = -20^\circ 17'$			1905			$\delta = -18^\circ 5'$		
18 Ei.Y.	+0.05	+0.4 E.	1904			Apr. 14 Ei.Y.	9.27	17.9 E.			
1906			June 17 Ei.Y.	26.29	59.2 W.	1906			1904		
Apr. 1 Bs.	+0.04	+0.7 W.	22 Ei.Y.	26.32	59.0 W.	Apr. 19 Ei.Y.	9.23	18.9 W.	May 11 Ei.Y.	4.60	59.7 W.
12 Br.	+0.04	+0.5	1905			Mean.....	9.265	18.28	12 Ei.Y.	4.62	59.8 W.
May 4 Bs.	+0.11	+0.1	Apr. 17 Ei.Y.	26.36	59.6 E.	Mag. corr.....	+0.022		1905		
June 11 Ei.Y.	+0.08	+1.2	1906			B. D. -22° 4299			June 3 Ei.Y.	4.62	59.3 E.
22 Ei.Y.	+0.07	+0.9	Apr. 16 Ei.Y.	26.34	59.3 W.	$\alpha = 17^h 6^m$			1906		
25 Ei.Y.	+0.10	+0.8	Mean.....	26.328	59.28	$\delta = -22^\circ 48'$			June 11 Ei.Y.	4.61	59.2 W.
29 Ei.Y.	+0.09	-0.5	Mag. corr.....	+0.007		1904			Mean.....	4.612	59.50
30 Ei.Y.	+0.05	+0.5	C. P. D. -29° 4601			May 28 Ei.Y.	21.13	10.3 W.	Mag. corr.....	-0.005	
July 5 Ei.Y.	+0.07	+1.6 W.	$\alpha = 17^h 5^m$			June 8 Ei.Y.	21.10	10.9 W.	ζ Draconis		
1907			$\delta = -29^\circ 20'$			1905			$\alpha = 17^h 8^m 29^s.772$		
Apr. 19 P.	+0.08	+0.6 E.	1904			June 14 Ei.Y.	21.15	10.6 E.	$\delta = +65^\circ 50' 16''.05$		
21 M.	+0.08	+0.3	Apr. 18 Ei.Y.	36.35	55.2 W.	1906			1905		
24 M.	+0.12	+0.3	May 24 Ei.Y.	36.33	55.0	June 30 Ei.Y.	21.10	10.6 W.	Apr. 20 Br.	-0.08	-0.3 E.
25 Hl.	+0.13	+0.5	1906			Mean.....	21.120	10.60	May 18 Br.	-0.02	+0.4
May 19 M.	+0.09	...	June 25 Ei.Y.	36.39	54.8 W.	Mag. corr.....	+0.002		1907		
June 17 Ei.M.	+0.18	+0.2	1907			B. D. -21° 4544			July 5 Hl.	0.00	+0.5
22 P.	+0.02	+0.2	July 30 Ei.M.	36.33	55.1 E.	$\alpha = 17^h 6^m$			Aug. 6 P.	-0.15	+0.2
23 P.	+0.07	+0.3	Mean.....	36.350	55.02	$\delta = -21^\circ 29'$			1908		
27 Hl.	+0.10	+0.2	Mag. corr.....	-0.014		1904			Apr. 9 Fk.	-0.06	+0.7 E.
July 3 P.	+0.06	-0.5	B. D. -16° 4436			June 18 Ei.Y.	40.49	4.5 W.	July 9 M.	-0.05	+0.2 W.
16 Ei.M.	+0.12	0.0	$\alpha = 17^h 5^m$			23 Ei.Y.	40.52	4.1 W.	11 Fk.	-0.05	+0.5
20 M.	+0.06	-0.1	$\delta = -16^\circ 22'$			1905			15 Fk.	+0.07	0.0
Aug. 6 P.	+0.03	0.0	1904			Apr. 17 Ei.Y.	40.41	4.4 E.	16 M.	-0.07	-0.4
1908			May 11 Ei.Y.	43.94	4.0 W.	1906			20 M.	-0.10	-0.6 W.
Feb. 24 Hl.	[+0.02]	...	12 Ei.Y.	43.94	4.4 W.	Apr. 16 Ei.Y.	40.45	5.0 W.	1909		
Mar. 13 P.	+0.10	+0.2	1905			Mean.....	40.468	4.50	Sept. 7 P.	[+0.03]	[+0.1] E.
Apr. 6 Fk.	+0.06	...	June 3 Ei.Y.	43.88	4.8 E.	B. D. +40° 3111			8 L.	[-0.09]	[+0.1]
9 Fk.	+0.03	...	1906			$\alpha = 17^h 7^m$			11 L.	[-0.12]	[+0.4]
13 Fk.	+0.09	+1.8	June 11 Ei.Y.	43.88	3.8 W.	$\delta = +39^\circ 58'$			14 P.	[-0.02]	[+0.1]
19 M.	+0.03	+0.5	Mean.....	43.910	4.25	1905			17 M.	[-0.04]	[+0.9]
20 P.	+0.05	+1.2	Mag. corr.....	+0.006		Apr. 27 Br.	13.68	27.3 E.	22 M.	....	[+0.8]
21 Fk.	+0.06	+1.0 E.	C. P. D. -26° 5845			30 Y.	13.68	27.7	23 P.	....	[+0.4]
May 1 Fk.	+0.07	-0.2 W.	$\alpha = 17^h 5^m$			May 2 M.	13.76	27.0	25 L.	[-0.10]	[-0.6]
10 M.	+0.12	0.0	$\delta = -26^\circ 55'$			7 Y.	13.75	27.6	Mar. 3 P.	[+0.01]	0.0
17 M.	+0.10	+0.3	1904			8 Y.	13.78	28.0	4 L.	[+0.02]	[+0.1]
23 P.	+0.09	-0.2	July 6 Ei.Y.	57.50	1.8 W.	12 Y.	13.70	27.4	5 P.	[+0.02]	[-0.1]
24 M.	+0.07	+0.1	11 Ei.Y.	57.55	2.7 W.	20 M.	13.73	27.3	17 P.	+0.05	-0.2
June 20 Fk.	+0.10	-0.3	1905			21 Br.	13.71	27.4	20 M.	....	-0.2
23 Fk.	+0.06	+0.5	June 8 Ei.Y.	57.57	2.7 E.	23 Br.	13.73	27.0	21 P.	+0.07	0.0
26 M.	+0.12	+1.5	1906			25 Br.	13.72	27.1	24 P.	-0.01	-0.1
27 Fk.	+0.06	+0.4	June 22 Ei.Y.	57.60	2.2 W.	27 M.	13.73	27.1	1911		
29 M.	+0.08	+0.2	Mean.....	57.555	2.35	June 2 M.	13.74	27.4 E.	Feb. 24 L.	[-0.07]	[-0.2]
July 10 P.	+0.09	...	Mag. corr.....	+0.014		1906			Mar. 6 P.	-0.12	-0.3
17 P.	+0.07	-0.5	C. P. D. -25° 5954			July 19 Bs.	13.83	.... W.	8 M.	-0.03	+0.2
27 P.	+0.02	...	$\alpha = 17^h 6^m$			21 Bs.	13.74	....	10 L.	-0.04	-0.1
1909			$\delta = -25^\circ 7'$			26 Bs.	13.84	....	15 M.	+0.02	-1.3
Mar. 16 L.	+0.11	+0.3	1904			28 Bs.	13.82	.... W.	16 P.	-0.02	-0.9
Apr. 9 L.	+0.11	+0.4 W.	May 7 Ei.Y.	4.96	51.9 W.	Mean.....	13.746	27.36	20 P.	+0.03	+0.2
June 30 L.	+0.08	+0.8 E.	27 Ei.Y.	5.00	53.7	Mag. corr.....	+0.008		21 L.	-0.01	+0.1
July 27 P.	+0.11	+0.7	1906			C. P. D. -26° 5854			Apr. 9 M.	+0.03	0.0 E.
28 M.	+0.09	+0.2	July 5 Ei.Y.	4.95	51.6 W.	$\alpha = 17^h 8^m$			Mean.....	-0.026	-0.06
Aug. 24 P.	[+0.10]	[-0.3]	1907			$\delta = -26^\circ 51'$			Mag. corr.....	-0.001	
Sept. 21 P.	....	[+0.1]	July 25 Ei.M.	4.88	52.3 E.	1904			[-0.034][+0.08]		
1910			Mean.....	4.948	52.38	Apr. 18 Ei.Y.	0.52	52.9 W.	ζ Draconis s. P.		
Feb. 3 P.	....	[-0.2]	Mag. corr.....	+0.020		May 24 Ei.Y.	0.57	52.5	$\alpha = 17^h 8^m 29^s.773$		
Mar. 3 P.	[+0.03]	[0.0]	1904			1906			$\delta = +65^\circ 50' 16''.04$		
4 L.	[+0.08]	[-0.1]	May 7 Ei.Y.	4.96	51.9 W.	June 25 Ei.Y.	0.56	53.3 W.	1906		
31 P.	....	+0.2	27 Ei.Y.	5.00	53.7				Jan. 31 Bs.	-0.06	+0.8 W.
Apr. 26 L.	+0.13	+0.8	1906						Feb. 9 Br.	+0.02	+0.9 W.
July 29 P.	+0.12	+0.2	July 5 Ei.Y.	4.95	51.6 W.						
Aug. 4 P.	+0.13	-0.3	1907								
13 L.	+0.08	+0.7	July 25 Ei.M.	4.88	52.3 E.						
1911			Mean.....	4.948	52.38						
Mar. 20 P.	+0.06	+0.7	Mag. corr.....	+0.020							
21 L.	+0.14	-0.5									
23 P.	+0.04	+0.2 E.									

1906			A Ophiuchi (south)			C. P. D. -26° 5863			1909		
Feb. 10 Hl.	+0.17	+1.8 W.	$\alpha = 17^h 9^m 11^s.591$			$\alpha = 17^h 10^m$			Aug. 7 P.	+0.02	+0.6 E.
13 Br.	-0.07	+0.7	$\delta = -26^\circ 27' 28''.46$			$\delta = -26^\circ 24'$			9 L.	-0.02	+1.3
15 Hl.	-0.04	+1.0 W.							10 P.	+0.04	+0.7
1907			1904			1904			16 P.	+0.01	+0.6
Sept. 25 M.	-0.20	+3.3 E.	Mar. 28 Br.	0.00	+0.4 W.	May 28 Ei.Y.	4.24	11.7 W.	1910		
Oct. 1 P.	-0.16	+1.2	Apr. 3 R.	+0.08	+1.4	June 18 Ei.Y.	4.32	12.1 W.	Aug. 12 P.	+0.02	+0.8
2 M.	-0.06	+0.7	5 M.	+0.05	+0.9	1905			1911		
1908			12 M.	0.00	+2.3	June 14 Ei.Y.	4.24	13.0 E.	Mar. 30 P.	+0.05	+1.0 E.
Jan. 14 P.	-0.07	(-3.1)	13 R.	+0.09	+0.6	1906			Mean.....	+0.024	+0.94
18 M.P.	-0.35	+0.2	14 Br.	+0.04	0.0	June 30 Ei.Y.	4.14	13.7 W.	Mag. corr.....	-0.003	
1909			19 M.	+0.12	+0.9	Mean.....	4.235	12.62	C. P. D. -25° 5980		
Sept. 1 L.	[-0.05]	[+0.1]	22 M.	+0.06	+0.8	Mag. corr.....	+0.015		$\alpha = 17^h 10^m$		
10 L.	[-0.14]	[+1.2]	May 7 Ei.Y.	+0.05	+0.2	α Hercules			$\delta = -25^\circ 11'$		
12 M.	[+0.08]	[+1.3]	13 M.	+0.02	+0.5	$\alpha = 17^h 10^m 5^s.242$			1904		
17 P.	-0.03	+1.8	16 Br.	+0.02	+0.6	$\delta = +14^\circ 30' 15''.24$			June 17 Ei.Y.	18.52	33.6 W.
18 P.	-0.01	+1.6	27 Ei.Y.	+0.02	-0.8 W.	1903			22 Ei.Y.	18.51	33.1 W.
24 P.	-0.04	+0.2	1905			Sept. 25 R.	[-0.01]	[0.0] W.	1905		
27 P.	+0.15	+0.7	Apr. 14 Ei.Y.	+0.03	+1.4 E.	1904			Apr. 17 Ei.Y.	18.44	33.1 E.
1910			July 5 Ei.Y.	-0.02	+1.7 W.	Mar. 23 R.	+0.02	+0.8	1906		
Feb. 18 P.	+0.03	+0.7	1907			25 M.	+0.07	+0.7	Apr. 16 Ei.Y.	18.47	33.5 W.
19 L.	+0.04	+1.0	May 13 Hl.	+0.15	+0.2 E.	June 12 R.	+0.04	+1.2	Mean.....	18.485	33.32
22 P.	+0.11	+0.6	July 19 M.	0.00	+0.8	24 M.	+0.02	+1.2	Mag. corr.....	+0.010	
25 P.	+0.04	+1.5	1908			July 1 Br.	+0.07	...	139 G. Scorpii		
Mar. 4 P.	+0.05	+1.3	Mar. 24 P.	+0.14	+0.2	19 Br.	+0.03	+1.5	$\alpha = 17^h 10^m$		
5 L.	[+0.04]	[-0.2]	25 M.	+0.04	+1.4	22 Br.	+0.01	+1.6	$\delta = -32^\circ 32'$		
8 P.	[-0.05]	[+1.7]	Apr. 19 M.	-0.02	+1.4	24 T.	...	+1.8	1905		
15 L.	[-0.19]	+0.6	20 P.	+0.09	+2.1	26 Br.	+0.05	...	Mar. 26 Y.	33.32	58.7 E.
18 P.	[+0.10]	+0.7	21 Fk.	+0.03	+2.1 E.	29 Br.	-0.07	...	30 Br.	33.31	59.3
19 M.	[-0.03]	[-0.1]	Mean.....	+0.047	+0.91	30 M.	-0.04	+0.8	Apr. 2 Y.	33.25	58.2
1911			Mag. corr.....	-0.001		Aug. 2 Br.	+0.02	+0.9	7 M.	33.30	59.4
Feb. 23 M.	+0.24	+1.3	A Ophiuchi (mean)			6 T.	+0.12	+1.0	9 Y.	33.33	59.1 E.
25 L.	-0.15	+0.7	$\alpha = 17^h 9^m 11^s.596$			11 M.	+0.05	+1.1	1906		
27 M.	-0.06	+1.2	$\delta = -26^\circ 27' 28''.30$			12 Br.	+0.02	+1.0	Apr. 1 Bs.	33.33	.... W.
Mar. 1 L.	+0.02	+0.7	1904			15 Br.	+0.05	+1.1 W.	May 4 Bs.	33.30	59.9
3 P.	+0.02	+1.1	Mar. 18 M.	0.00	+3.7 W.	1905			1908		
9 M.	[-0.06]	[+0.3]	22 M.	+0.06	+2.6 W.	Mar. 13 Br.	+0.08	+1.2 E.	June 26 M.	33.26	59.4
10 P.	[-0.07]	+0.9	1908			15 Y.	-0.01	+0.6	27 Fk.	33.26	59.4
11 L.	[+0.01]	[+1.7]	Apr. 13 Fk.	+0.15	+3.9 E.	23 M.	-0.03	+0.8	July 1 M.	33.31	59.5 W.
16 M.	[+0.12]	+0.4	Mean.....	+0.070	+3.40	Apr. 13 Br.	-0.03	+1.5	Mean.....	33.297	59.21
21 P.	[0.00]	[+1.0] E.	Mag. corr.....	+0.006		18 M.	-0.02	+1.4 E.	Mag. corr.....	-0.006	
Mean.....	-0.017	+1.09	A Ophiuchi (north)			1906			B. D. -17° 4759		
Mag. corr.....	0.000		$\alpha = 17^h 9^m 11^s.596$			June 11 Ei.Y.	+0.02	+1.2 W.	$\alpha = 17^h 10^m$		
	[-0.018]	[+0.74]	$\delta = -26^\circ 27' 28''.32$			29 Ei.Y.	+0.02	+0.5	$\delta = -17^\circ 48'$		
B. D. -19° 4569			1904			July 7 Ei.Y.	+0.02	+0.6 W.	1904		
$\alpha = 17^h 8^m$			Mar. 28 Br.	+0.04	+6.4 W.	1907			Apr. 18 Ei.Y.	54.76	7.4 W.
$\delta = -19^\circ 44'$			Apr. 3 R.	+0.15	+5.8	Apr. 19 P.	+0.03	+0.8 E.	May 24 Ei.Y.	54.74	7.7
1904			5 M.	+0.07	+6.0	21 M.	+0.04	+1.6	1906		
July 6 Ei.Y.	59.05	50.2 W.	12 M.	+0.07	+5.7	24 M.	+0.02	+0.3	June 25 Ei.Y.	54.75	7.3 W.
11 Ei.Y.	59.10	49.9 W.	13 R.	+0.11	+5.4	May 19 M.	+0.04	...	1907		
1905			14 Br.	+0.15	+4.7	June 22 P.	-0.03	+1.1	July 16 Ei.M.	54.73	8.3 E.
June 8 Ei.Y.	59.12	50.9 E.	19 M.	+0.12	+6.3	27 Hl.	+0.06	+1.2	Mean.....	54.745	7.68
1906			22 M.	+0.15	+4.7	July 8 Hl.	0.00	+1.1	Mag. corr.....	+0.007	
June 22 Ei.Y.	59.16	50.4 W.	May 7 Ei.Y.	+0.19	+5.6	20 M.	+0.04	...	δ Hercules		
Mean.....	59.108	50.35	13 M.	+0.08	+5.1	25 Ei.M.	-0.04	+0.5	$\alpha = 17^h 10^m 55^s.411$		
Mag. corr.....	-0.009		16 Br.	+0.14	+5.0	30 Ei.M.	-0.01	+0.9	$\delta = +24^\circ 57' 23''.94$		
C. P. D. -26° 5857			27 Ei.Y.	+0.17	+4.7 W.	31 P.	+0.02	+0.8	1904		
$\alpha = 17^h 9^m$			1905			Aug. 12 Hl.	+0.04	...	Apr. 20 R.	+0.02	+0.2 W.
$\delta = -26^\circ 24'$			Apr. 14 Ei.Y.	+0.12	+6.2 E.	1908			June 30 R.	+0.08	+0.5 W.
1904			1906			July 6 M.	+0.06	...	1905		
May 4 Ei.Y.	0.74	56.1 W.	July 5 Ei.Y.	+0.05	+6.3 W.	10 P.	-0.01	...	Apr. 27 Br.	-0.02	+1.1 E.
5 Ei.Y.	0.76	56.0	1907			17 P.	+0.02	+0.5	30 Y.	+0.04	+0.6
1906			May 13 Hl.	+0.19	+5.1 E.	27 P.	+0.06	+1.4	May 2 M.	+0.08	-0.3
Apr. 19 Ei.Y.	0.65	57.0 W.	July 19 M.	+0.16	+7.3	Aug. 7 P.	-0.02	... W.	7 Y.	+0.06	+0.4
1907			1908			1909			8 Y.	0.00	+0.4
June 17 Ei.M.	0.84	56.2 E.	Mar. 25 M.	+0.21	+5.7	July 27 P.	+0.04	+1.0 E.	12 Y.	-0.05	0.0
Mean.....	0.748	56.32	Apr. 19 M.	+0.10	+6.8	23 M.	+0.03	+0.4	20 M.	+0.04	+0.4
Mag. corr.....	+0.001		20 P.	+0.27	+7.4	29 P.	+0.08	+1.1	21 Br.	+0.07	+0.1
			21 Fk.	+0.10	+5.4 E.	30 M.	+0.04	+0.5			
			Mean.....	+0.132	+5.78	Aug. 2 L.	+0.05	+0.6			
			Mag. corr.....	-0.002		4 L.	+0.08	+0.6			

1905			C. P. D. -26° 5866			B. D. -16° 4470			C. P. D. -29° 4649		
May 23 Br.	+0.04	0.0 E.	$\alpha = 17^h 11^m$			$\alpha = 17^h 12^m$			$\alpha = 17^h 14^m$		
25 Br.	+0.06	-0.3	$\delta = -26^\circ 31'$			$\delta = -16^\circ 12'$			$\delta = -29^\circ 15'$		
27 M.	+0.04	-0.1									
June 2 M.	+0.04	+0.9 E.									
1906			1904			1904			1904		
Mar. 22 Br.	+0.04	-0.6 W.	July 6 Ei.Y.	26.59	6.6 W.	June 17 Ei.Y.	33.67	16.3 W.	May 7 Ei.Y.	6.55	38.4 W.
Apr. 15 Bs.	+0.06	(-1.6)	11 Ei.Y.	26.59	7.4 W.	22 Ei.Y.	33.64	15.6 W.	27 Ei.Y.	6.59	38.5
27 Br.	-0.02	+0.6	1905			1905			1906		
30 Br.	+0.05	+0.3	June 8 Ei.Y.	26.64	7.6 E.	Apr. 17 Ei.Y.	33.66	16.9 E.	July 5 Ei.Y.	6.55	38.1 W.
May 3 Br.	+0.02	+0.1	1906			1906			1907		
July 19 Bs.	+0.02	...	June 22 Ei.Y.	26.65	7.1 W.	Apr. 16 Ei.Y.	33.68	16.5 W.	June 17 Ei.M.	6.71	39.8 E.
21 Bs.	+0.02	...	Mean.....	26.618	7.18	Mean.....	33.662	16.32	Mean.....	6.600	38.70
26 Bs.	+0.04	...	Mag. corr.....	+0.013		Mag. corr.....	+0.017		Mag. corr.....	+0.014	
28 Bs.	+0.10	... W.	* Hercules			B. D. -22° 4318			e Hercules		
1907			$\alpha = 17^h 11^m 33^s.795$			$\alpha = 17^h 12^m$			$\alpha = 17^h 14^m$		
May 4 Hl.	-0.01	-0.3 E.	$\delta = +36^\circ 55' 18''.21$			$\delta = -22^\circ 36'$			$\delta = +37^\circ 23'$		
12 M.	+0.04	...	1907			1904			1904		
July 20 M.	+0.02	+0.4	July 29 M.	+0.08	+0.2 E.	Apr. 18 Ei.Y.	52.66	2.8 W.	June 24 M.	13.33	46.8 W.
27 P.	0.00	+0.4	Aug. 12 Hl.	+0.04	0.0	May 24 Ei.Y.	52.74	3.0	July 22 Br.	13.31	46.8
1908			13 P.	+0.02	+0.2	1906			29 Br.	13.30	47.1
Mar. 20 P.	-0.02	-0.2	1908			June 25 Ei.Y.	52.76	2.5 W.	30 M.	13.27	46.5
Apr. 16 Fk.	+0.06	-0.2	Mar. 27 P.	0.00	+0.3	1907			Aug. 11 M.	13.36	46.8
17 P.	+0.01	-0.2 E.	Apr. 6 Fk.	+0.06	+0.4 E.	July 16 Ei.M.	52.75	2.9 E.	15 Br.	13.36	46.4 W.
30 P.	+0.01	... W.	May 24 M.	+0.02	-0.2 W.	Mean.....	52.728	2.80	1907		
May 1 Fk.	0.00	...	June 29 M.	+0.03	-0.3	Mag. corr.....	-0.014		Apr. 21 M.	13.29	47.0 E.
July 10 P.	0.00	...	July 6 M.	-0.01	+0.8	B. D. -18° 4489			July 3 P.	13.31	47.2
Aug. 7 P.	+0.08	...	8 Fk.	+0.05	+0.6	$\alpha = 17^h 13^m$			5 Hl.	13.33	46.4
1909			11 Fk.	0.00	...	$\delta = -18^\circ 50'$			8 Hl.	13.36	47.0
Mar. 16 L.	+0.07	-0.1	15 Fk.	+0.03	-0.1 W.	1904			23 Hl.	13.25	47.2 E.
17 M.	+0.07	+0.5	Mean.....	+0.029	+0.19	May 11 Ei.Y.	37.62	56.7 W.	Mean.....	13.315	46.84
19 L.	-0.01	+0.1	Mag. corr.....	-0.002		12 Ei.Y.	37.70	57.1 W.	Mag. corr.....	+0.002	
21 M.	+0.05	+0.3	C. P. D. -27° 5608			1905			B. D. -19° 4605		
22 P.	-0.02	+0.6	$\alpha = 17^h 11^m$			May 19 Ei.Y.	37.70	57.4 E.	$\alpha = 17^h 14^m$		
23 L.	+0.07	+0.8	$\delta = -27^\circ 39'$			1906			$\delta = -19^\circ 13'$		
26 L.	-0.02	+1.1	1904			June 29 Ei.Y.	37.68	57.3 W.	1904		
30 L.	-0.02	+0.6	May 27 Ei.Y.	37.41	39.6 W.	Mean.....	37.675	57.12	May 4 Ei.Y.	41.96	38.5 W.
31 M.	+0.03	-0.2	June 23 Ei.Y.	37.40	39.3	Mag. corr.....	+0.001		5 Ei.Y.	41.95	38.7 W.
Apr. 2 L.	0.00	+0.9	1906			u Hercules			1905		
4 M.	+0.03	+0.3	July 5 Ei.Y.	37.41	37.8 W.	$\alpha = 17^h 13^m$			Apr. 14 Ei.Y.	41.88	38.0 E.
6 L.	+0.04	0.0	1907			$\delta = +33^\circ 12'$			1906		
9 L.	+0.05	0.0	July 25 Ei.M.	37.34	38.8 E.	1903			Apr. 19 Ei.Y.	41.90	39.6 W.
10 P.	+0.02	+1.3	Mean.....	37.390	38.88	Sept. 10 L.	[37.94]	[27.9] W.	Mean.....	41.922	38.70
11 M.	+0.05	+0.2	Mag. corr.....	-0.006		1905			Mag. corr.....	+0.016	
15 P.	+0.05	+0.7	C. P. D. -24° 5859 (south)			Mar. 28 M.	37.90	28.2 E.	ξ Ophiuchi		
16 L.	+0.06	+0.2	$\alpha = 17^h 11^m$			Apr. 13 Br.	37.86	28.7	$\alpha = 17^h 15^m$		
18 M.	+0.06	+0.5	$\delta = -24^\circ 10'$			18 M.	37.80	28.3	$\delta = -21^\circ 0'$		
22 P.	+0.07	+0.5	1904			20 Br.	37.83	28.8	1904		
26 P.	+0.05	+1.2	May 4 Ei.Y.	54.73	40.2 W.	23 Y.	37.92	28.5	May 28 Ei.Y.	0.66	20.1 W.
28 M.	+0.02	+0.1 W.	5 Ei.Y.	54.75	39.9 W.	24 Br.	37.92	27.7	June 12 R.	0.72	20.2
1910			1905			May 18 Br.	37.91	28.8 E.	18 Ei.Y.	0.71	20.4
June 29 M.	-0.02	+0.9 E.	Apr. 14 Ei.Y.	54.70	39.2 E.	1908			July 1 Br.	0.66	...
July 9 M.	+0.04	+0.4	Apr. 19 Ei.Y.	54.72	40.8 W.	Apr. 30 P.	37.95	26.9 W.	Aug. 6 T.	0.73	20.6 W.
14 M.	+0.04	+0.2	Mean.....	54.725	40.02	May 1 Fk.	37.87	26.6	1905		
20 M.	0.00	+0.3	Mag. corr.....	-0.003		10 M.	37.85	28.0	Mar. 26 Y.	0.58	20.2 E.
26 M.	+0.05	+0.4	C. P. D. -23° 6564			23 P.	37.86	28.3 W.	30 Br.	0.77	20.9
28 M.	+0.02	0.0	$\alpha = 17^h 12^m$			B. D. -17° 4773			Apr. 2 Y.	0.72	20.2
29 P.	+0.03	+0.1	$\delta = -23^\circ 57'$			$\alpha = 17^h 14^m$			7 M.	0.67	20.7
Aug. 4 P.	+0.06	+0.5	1904			$\delta = -17^\circ 39'$			9 Y.	0.70	21.1
5 M.	+0.07	+0.3 E.	May 28 Ei.Y.	0.63	44.3 W.	1904			June 14 Ei.Y.	0.71	21.0 E.
Mean.....	+0.032	+0.31	June 18 Ei.Y.	0.73	44.8 W.	July 6 Ei.Y.	4.06	5.6 W.	1906		
Mag. corr.....	-0.001		1905			14 Ei.Y.	4.08	5.9 W.	Apr. 1 Bs.	0.70	20.2 W.
C. P. D. -28° 5600			June 14 Ei.Y.	0.69	44.8 E.	1905			May 4 Bs.	0.78	21.3
$\alpha = 17^h 11^m$			June 30 Ei.Y.	0.65	44.8 W.	June 8 Ei.Y.	4.07	6.5 E.	June 30 Ei.Y.	0.73	21.2 W.
$\delta = -28^\circ 49'$			Mean.....	0.675	44.68	June 22 Ei.Y.	4.10	6.3 W.	Mean.....	0.703	20.62
1904			Mag. corr.....	+0.015		Mean.....	4.078	6.08	Mag. corr.....	+0.007	
May 11 Ei.Y.	22.42	37.6 W.	1906			1904			1905		
12 Ei.Y.	22.39	37.6 W.	May 28 Ei.Y.	0.63	44.3 W.	July 6 Ei.Y.	4.06	5.6 W.	Mar. 26 Y.	0.58	20.2 E.
1905			June 18 Ei.Y.	0.73	44.8 W.	14 Ei.Y.	4.08	5.9 W.	30 Br.	0.77	20.9
May 19 Ei.Y.	22.44	37.8 E.	1906			1905			Apr. 2 Y.	0.72	20.2
1906			June 14 Ei.Y.	0.69	44.8 E.	June 8 Ei.Y.	4.07	6.5 E.	7 M.	0.67	20.7
June 29 Ei.Y.	22.40	37.6 W.	June 30 Ei.Y.	0.65	44.8 W.	June 22 Ei.Y.	4.10	6.3 W.	9 Y.	0.70	21.1
Mean.....	22.412	37.65	Mean.....	0.675	44.68	Mean.....	4.078	6.08	June 14 Ei.Y.	0.71	21.0 E.
Mag. corr.....	-0.006		Mag. corr.....	+0.015		Mag. corr.....	-0.015		Apr. 1 Bs.	0.70	20.2 W.

C. P. D. -24° 5873			1905			1906			C. P. D. -24° 5888		
$\alpha = 17^h 15^m$ $\delta = -24^\circ 48'$			$\alpha = 17^h 15^m$ $\delta = -24^\circ 48'$			$\alpha = 17^h 18^m$ $\delta = -24^\circ 9'$			$\alpha = 17^h 18^m$ $\delta = -24^\circ 9'$		
1904			May 21 Br.	23.16	30.9 E.	Apr. 19 Ei.Y.	3.97	45.8 W.	1904		
June 17 Ei.Y.	33.49	18.5 W.	23 Br.	23.06	30.2	Mean.....	3.925	44.60	July 6 Ei.Y.	59.47	7.5 W.
22 Ei.Y.	33.51	17.6 W.	25 Br.	23.16	30.8	Mag. corr.....	-0.003		11 Ei.Y.	59.43	7.6 W.
1905			27 M.	23.06	30.9	B. D. -22° 4336			1905		
Apr. 17 Ei.Y.	33.51	18.8 E.	June 2 M.	23.10	31.2 E.	$\alpha = 17^h 17^m$ $\delta = -22^\circ 54'$			June 8 Ei.Y.	59.47	8.4 E.
1906			July 19 Bs.	23.16	.... W.	1904			1906		
Apr. 16 Ei.Y.	33.49	18.0 W.	21 Bs.	23.18	....	May 28 Ei.Y.	10.06	45.8 W.	June 22 Ei.Y.	59.47	7.8 W.
Mean.....	33.500	18.22	26 Bs.	23.18	....	June 18 Ei.Y.	10.04	46.2 W.	Mean.....	59.460	7.82
Mag. corr.....	+0.016		28 Bs.	23.17	.... W.	1905			Mag. corr.....	+0.020	
θ Ophiuchi			Mean.....	23.129	30.92	June 14 Ei.Y.	10.02	45.9 E.	C. P. D. -27° 5650		
$\alpha = 17^h 15^m 52^s.035$ $\delta = -24^\circ 53' 59''.29$			Mag. corr.....	-0.003		1906			$\alpha = 17^h 19^m$ $\delta = -27^\circ 30'$		
1904			B. D. -17° 4789			June 30 Ei.Y.	10.03	45.5 W.	1904		
Mar. 23 R.	+0.01	+1.3 W.	$\alpha = 17^h 16^m$ $\delta = -17^\circ 14'$			July 7 Ei.Y.	10.00	46.1 W.	May 7 Ei.Y.	49.70	31.2 W.
25 M.	-0.03	+0.4	1904			Mean.....	10.030	45.90	27 Ei.Y.	49.73	31.0
Apr. 4 Br.	+0.14	+1.6	July 6 Ei.Y.	34.29	31.0 W.	Mag. corr.....	+0.007		1906		
5 M.	+0.07	+0.8	11 Ei.Y.	34.25	31.0 W.	B. D. +48° 2504			July 5 Ei.Y.	49.70	30.9 W.
12 M.	0.00	+1.8	1905			$\alpha = 17^h 17^m$ $\delta = +48^\circ 27'$			1907		
14 Br.	+0.01	....	June 8 Ei.Y.	34.30	31.7 E.	1907			June 17 Ei.M.	49.79	31.5 E.
18 Ei.Y.	+0.05	+1.6	1906			May 12 M.	17.57	21.2 E.	Mean.....	49.730	31.15
19 M.	+0.04	+2.1	June 22 Ei.Y.	34.32	31.2 W.	July 20 M.	17.60	21.6 E.	Mag. corr.....	+0.007	
21 Br.	+0.04	+1.3	Mean.....	34.290	31.22	Mean.....	17.585	21.40	ρ Hercules (mean)		
22 M.	+0.11	+0.3	Mag. corr.....	-0.002		Mag. corr.....	-0.015		$\alpha = 17^h 20^m$ $\delta = +37^\circ 14'$		
May 8 R.	+0.07	+1.2	w Hercules			B. D. -15° 4534			1904		
13 M.	+0.12	+1.2	$\alpha = 17^h 16^m 55^s.097$ $\delta = +32^\circ 35' 40''.07$			$\alpha = 17^h 17^m$ $\delta = -15^\circ 56'$			July 26 Br.	13.79	17.4 W.
24 Ei.Y.	+0.11	+0.5	1903			1904			+0.01		
1906			Sept. 10 L.	[+0.03]	[+0.5] W.	June 17 Ei.Y.	51.04	34.5 W.	ρ Hercules (fol.)		
June 25 Ei.Y.	+0.10	+1.7 W.	25 R.	[-0.02]	[0.0] W.	22 Ei.Y.	50.98	34.1 W.	$\alpha = 17^h 20^m$ $\delta = +37^\circ 14'$		
1907			1904			1905			1904		
Apr. 19 P.	+0.03	+0.5 E.	June 30 R.	+0.05	+1.5	Apr. 17 Ei.Y.	51.03	35.1 E.	June 24 M.	13.97	16.5 W.
24 M.	+0.02	-0.2	July 20 T.	-0.01	+1.2 W.	1906			July 1 Br.	13.96	....
May 13 Hl.	+0.09	+0.4	1905			Apr. 16 Ei.Y.	51.00	34.3 W.	24 T.	....	15.2
July 16 Ei.M.	+0.08	+0.6	Apr. 23 Y.	+0.02	+0.6 E.	Mean.....	51.012	34.50	30 M.	13.91	16.0
19 M.	+0.12	+0.8	24 Br.	+0.02	+1.2	B. D. -21° 4597			Aug. 11 M.	14.01	16.1
31 P.	+0.05	-0.2	May 18 Br.	+0.04	+0.6 E.	$\alpha = 17^h 18^m$ $\delta = -21^\circ 20'$			12 Br.	13.94	16.5
1909			1906			1904			15 Br.	14.00	16.3 W.
Aug. 24 P.	+0.12	+0.2	Apr. 15 Bs.	0.00	+0.4 W.	Apr. 18 Ei.Y.	43.15	53.0 W.	1907		
25 L.	+0.11	+0.6	27 Bs.	+0.06	+0.4	May 24 Ei.Y.	43.18	53.5	Apr. 21 M.	13.92	14.9 E.
Sept. 21 P.	....	[+0.5]	30 Br.	+0.05	+0.2	June 25 Ei.Y.	43.16	52.9 W.	July 23 Hl.	13.88	16.1
1910			May 3 Br.	+0.02	+0.2 W.	1907			Aug. 8 P.	14.04	15.8
Apr. 27 M.	+0.10	+0.9	1907			July 16 Ei.M.	43.14	53.2 E.	12 Hl.	13.96	17.0
May 23 M.	+0.06	+0.9 E.	July 27 P.	+0.03	+0.6 E.	Mean.....	43.158	53.15	1908		
Mean.....	+0.068	+0.88	Aug. 6 P.	+0.05	+0.7 E.	Mag. corr.....	+0.016		Apr. 21 Fk.	13.89	16.7 E.
Mag. corr.....	-0.002		Mean.....	+0.030	+0.69	B. D. -18° 4516			Mean.....	13.953	16.10
C. P. D. -26° 5883			Mag. corr.....	-0.003		$\alpha = 17^h 18^m$ $\delta = -18^\circ 21'$			Mag. corr.....	+0.004	
$\alpha = 17^h 16^m$ $\delta = -26^\circ 6'$			B. D. -20° 4750			1904			b Ophiuchi		
1904			$\alpha = 17^h 17^m$ $\delta = -20^\circ 7'$			Apr. 18 Ei.Y.	43.15	53.0 W.	$\alpha = 17^h 20^m 15^s.714$ $\delta = -24^\circ 5' 1''.29$		
May 11 Ei.Y.	10.52	55.3 W.	1904			May 24 Ei.Y.	43.18	53.5	1904		
12 Ei.Y.	10.55	55.4 W.	May 7 Ei.Y.	0.96	5.2 W.	June 25 Ei.Y.	43.16	52.9 W.	May 4 Ei.Y.	+0.09	+0.8 W.
1905			27 Ei.Y.	0.99	6.2	1907			5 Ei.Y.	+0.04	+1.8 W.
May 19 Ei.Y.	10.50	55.2 E.	1906			Mean.....	43.158	53.15	1905		
1906			July 5 Ei.Y.	1.03	4.8 W.	Mag. corr.....	+0.023		Apr. 14 Ei.Y.	+0.04	+1.2 E.
June 29 Ei.Y.	10.55	55.4 W.	1907			1904			Aug. 19 Hl.	+0.02	+1.9 W.
Mean.....	10.530	55.32	June 17 Ei.M.	1.13	6.0 E.	May 11 Ei.Y.	45.72	9.5 W.	1906		
Mag. corr.....	+0.006		Mean.....	1.028	5.55	12 Ei.Y.	45.76	9.6 W.	Apr. 1 Bs.	+0.05	+1.0
B. D. +39° 3104			Mag. corr.....	0.000		1905			19 Ei.Y.	+0.03	+1.8
$\alpha = 17^h 16^m$ $\delta = +39^\circ 23'$			C. P. D. -28° 5626			May 19 Ei.Y.	45.75	9.5 E.	May 4 Bs.	+0.07	+1.0 W.
1905			$\alpha = 17^h 17^m$ $\delta = -28^\circ 2'$			1906			1907		
Apr. 27 Br.	23.05	31.3 E.	1904			June 29 Ei.Y.	45.78	10.5 W.	May 13 Hl.	+0.14	+1.2 E.
30 Y.	....	31.0	May 4 Ei.Y.	3.94	44.2 W.	Mean.....	45.752	9.78	Aug. 6 P.	+0.08	+0.6
May 2 M.	23.10	30.6	5 Ei.Y.	3.88	44.1 W.	Mag. corr.....	+0.020		13 P.	-0.01	+1.6
7 Y.	23.18	31.0	1905			1904			14 Hl.	+0.10	+1.3 E.
8 Y.	23.07	31.1	Apr. 14 Ei.Y.	3.91	44.3 E.	May 11 Ei.Y.	45.72	9.5 W.			
12 Y.	23.12	31.2				12 Ei.Y.	45.76	9.6 W.			
20 M.	23.16	30.9 E.				1905					

1908			σ Ophiuchi			1908			1910		
s			s			s			s		
Apr. 13 Fk.	+0.09	+1.1 E.	α= 17 ^h 21 ^m 33 ^s .172			July 17 P.	-0.01	-0.5 W.	Apr. 14 P.	-0.01	+0.6 E.
20 P.	+0.13	+1.8 E.	δ= + 4° 13' 38".11			20 M.	+0.05	+0.4	15 L.	+0.02	+0.6
30 P.	+0.04	0.0 W.				27 P.	+0.03	+1.0	19 L.	+0.02	+0.4
May 10 M.	+0.12	+0.8 W.				Aug. 7 P.	+0.02	+0.9 W.	22 L.	+0.05	+0.2
1909			1903			1909			1910		
Aug. 24 P.	+0.13	+0.6 E.	Sept. 7 L.	[-0.02]	[-0.1] W.	July 17 L.	0.00	+0.3 E.	25 P.	-0.04	+0.7
25 L.	+0.08	+1.0	10 L.	[+0.03]	[+0.1]	24 P.	+0.01	+0.2	26 L.	-0.02	+0.7
Sept. 21 P.	....	[-0.2] E.	25 R.	[+0.01]	[-0.5]	27 P.	-0.01	+0.4	27 M.	-0.07	+0.3
Mean.....			1904			29 P.			28 P.		
Mag. corr.....			Mar. 23 R.			0.00			+0.04		
			25 M.			+0.04			+0.02		
			28 Br.			-0.01			+0.02		
			Apr. 4 Br.			+0.01			+0.02		
			5 M.			+0.01			-0.02		
			12 M.			-0.11			0.00		
			13 R.			+0.03			+0.03		
			14 Br.			0.00			+0.03		
			19 M.			+0.03			+0.01		
			20 R.			+0.03			0.00		
			21 Br.			-0.01			-0.02		
			22 M.			+0.03			0.00		
			May 2 Br.			0.00			-0.02		
			3 M.			+0.06			+0.03		
			8 R.			+0.02			-0.01		
			13 M.			+0.02			+0.03		
			16 Br.			0.00			+0.02		
			June 12 R.			0.00			-0.02		
			30 R.			+0.01			+0.01		
			July 14 Ei.Y.			+0.03			+0.01		
			16 Ei.Y.			-0.03			+0.04		
			22 Br.			+0.05			+0.03		
			29 Br.			-0.03			-0.01		
			Aug. 2 Br.			0.00			0.00		
			6 T.			-0.01			-0.01		
			1905			Sept. 1 L.			3 L.		
			Mar. 26 Y.			+0.02			6 P.		
			28 M.			+0.01			7 L.		
			Apr. 2 Y.			-0.02			8 M.		
			7 M.			-0.04			13 M.		
			9 Y.			+0.03			19 M.		
			13 Br.			-0.05			21 P.		
			14 Ei.Y.			-0.05			22 M.		
			18 M.			-0.02			23 L.		
			19 Y.			+0.03			25 L.		
			20 Br.			0.00			26 M.		
			23 Y.			+0.02			29 M.		
			24 Br.			-0.01			30 L.		
			May 18 Br.			0.00			July 5 M.		
			June 3 Ei.Y.			+0.03			8 L.		
			18 Ei.Y.			-0.02			9 M.		
			1906			Oct. 1 M.			11 L.		
			July 5 Ei.Y.			+0.02			14 M.		
			1907			2 L.			19 L.		
			Apr. 24 M.			0.00			20 M.		
			25 Hl.			-0.01			21 P.		
			May 4 Hl.			-0.01			22 M.		
			12 M.			0.00			25 P.		
			July 3 P.			+0.03			26 M.		
			8 Hl.			+0.02			28 M.		
			19 M.			+0.04			30 M.		
			20 M.			-0.02			Aug. 1 P.		
			25 Ei.M.			-0.04			3 M.		
			27 P.			+0.04			5 M.		
			30 Ei.M.			-0.01			6 L.		
			Aug. 8 P.			+0.01			9 L.		
			12 Hl.			+0.02			10 P.		
			13 P.			-0.09			11 L.		
			1908			Nov. 5 L.			12 P.		
			May 17 M.			0.00			13 L.		
			23 P.			+0.01			16 P.		
			24 M.			0.00			18 P.		
			June 20 Fk.			+0.05			19 L.		
			27 Fk.			+0.01			20 P.		
			29 M.			+0.05			22 P.		
			July 1 M.			-0.02			23 L.		
			6 M.			-0.01			24 P.		
			8 Fk.			+0.01			27 L.		
			11 Fk.			0.00			30 L.		
			16 M.			+0.05			Sept. 7 M.		
									8 P.		
									10 P.		
									12 P.		
									15 M.		
									16 P.		
									17 L.		
									20 L.		
									22 L.		
									26 M.		
									27 P.		
									28 L.		
									Oct. 1 L.		

1910

Oct. 5 L.

s

"

[+0.1]

E.

6 M.

[-0.2]

10 M.

[-0.06]

-0.3

11 P.

[-0.03]

-0.1

12 L.

[-0.06]

-0.1

13 M.

+0.02

-0.6

14 P.

-0.06

-0.7

15 M.

-0.05

-1.0

17 M.

-0.05

-0.6

18 P.

-0.05

+0.1

22 L.

+0.01

+0.8

31 M.

[-0.05]

[-0.8]

1911

Feb. 9 P.

[0.00]

[-0.5]

18 P.

0.00

+0.8

20 P.

[-0.06]

+1.2

22 M.

[-0.04]

+0.5

27 P.

[-0.06]

+1.4

Mar. 2 P.

+0.06

+0.6

6 P.

[-0.04]

+0.3

8 M.

+0.06

0.0

9 P.

[-0.03]

+0.4

10 L.

+0.04

+1.3

15 M.

+0.02

+0.1

16 P.

0.00

0.0

20 P.

+0.02

+0.2

21 L.

+0.05

+0.7

23 P.

-0.04

+0.1

24 L.

-0.02

+1.6

27 P.

-0.04

0.0

28 L.

+0.06

+0.6

30 P.

0.00

+0.5

31 L.

-0.02

+0.4

Apr. 9 M.

-0.06

+0.7

10 P.

-0.02

+0.1 E.

Mean.....

+0.002

+0.53

Mag. corr.....

+0.004

[-0.013]

[+0.13]

C. P. D. -28° 56'59

$\alpha = 17^{\text{h}} 22^{\text{m}}$

$\delta = -28^{\circ} 58'$

1904

s

"

Apr. 18 Ei.Y.

6.81

27.1 W.

24 Ei.Y.

6.94

27.4

1906

June 25 Ei.Y.

6.94

27.3 W.

1907

July 16 Ei.M.

6.88

27.9 E.

Mean.....

6.892

27.42

Mag. corr.....

+0.005

B. D. -20° 47'75

$\alpha = 17^{\text{h}} 22^{\text{m}}$

$\delta = -20^{\circ} 52'$

1904

s

"

May 11 Ei.Y.

18.33

49.0 W.

12 Ei.Y.

18.30

49.1 W.

1905

May 19 Ei.Y.

18.26

48.6 E.

1906

June 29 Ei.Y.

18.34

49.3 W.

Mean.....

18.308

49.00

Mag. corr.....

0.000

B. D. -22° 43'49

$\alpha = 17^{\text{h}} 22^{\text{m}}$

$\delta = -22^{\circ} 29'$

1904

s

"

July 6 Ei.Y.

39.34

51.7 W.

11 Ei.Y.

39.39

52.3 W.

1905

June 8 Ei.Y.

39.40

53.0 E.

1906

s

"

June 22 Ei.Y.

39.42

52.6 W.

Mean.....

39.388

52.40

Mag. corr.....

-0.009

B. D. -16° 45'26

$\alpha = 17^{\text{h}} 23^{\text{m}}$

$\delta = -16^{\circ} 30'$

1904

s

"

May 7 Ei.Y.

31.81

33.3 W.

27 Ei.Y.

31.79

33.5

1906

July 5 Ei.Y.

31.80

32.7 W.

1907

July 25 Ei.M.

31.70

33.8 E.

Mean.....

31.775

33.32

Mag. corr.....

-0.008

B. D. -19° 46'44

$\alpha = 17^{\text{h}} 23^{\text{m}}$

$\delta = -19^{\circ} 23'$

1904

s

"

May 4 Ei.Y.

49.69

33.0 W.

5 Ei.Y.

49.70

32.6 W.

1905

Apr. 14 Ei.Y.

49.66

32.9 E.

1906

Apr. 19 Ei.Y.

49.57

33.8 W.

Mean.....

49.655

33.08

Mag. corr.....

-0.009

λ Herculis

$\alpha = 17^{\text{h}} 24^{\text{m}}$

$\delta = +48^{\circ} 20'$

1904

s

"

July 20 T.

5.11

39.0 W.

1905

Mar. 26 Y.

5.15

38.4 E.

30 Br.

5.12

38.6

Apr. 2 Y.

5.13

39.2

7 M.

5.19

38.3 E.

1906

Apr. 27 Bs.

5.19

37.9 W.

30 Br.

5.10

37.7

1908

May 24 M.

5.13

38.2

July 15 Fk.

5.21

37.8 W.

Mean.....

5.148

38.34

Mag. corr.....

-0.008

51 Ophiuchi

$\alpha = 17^{\text{h}} 25^{\text{m}}$

$\delta = -23^{\circ} 53'$

1903

s

"

Sept. 7 L.

[18.82]

[6.4] W.

25 R.

[18.82]

[7.3]

1904

May 28 Ei.Y.

18.82

6.6

June 18 Ei.Y.

18.84

6.5

July 24 T.

6.4

26 Br.

18.86

6.1

30 M.

18.86

6.2

Aug. 11 M.

18.84

6.3

12 Br.

18.79

6.1

15 Br.

18.83

6.4 W.

1905

June 14 Ei.Y.

18.85

5.4 E.

1906

June 30 Ei.Y.

18.82

6.9 W.

1907

Apr. 19 P.

18.77

7.1 E.

21 M.

18.91

6.5 E.

1907

s

"

Apr. 25 Hl.

18.85

6.9 E.

May 9 Hl.

18.90

7.2

July 3 P.

18.85

6.8 E.

Mean.....

18.842

6.49

Mag. corr.....

+0.001

C. P. D. -26° 59'06

$\alpha = 17^{\text{h}} 25^{\text{m}}$

$\delta = -26^{\circ} 11'$

1904

s

"

June 17 Ei.Y.

31.77

35.3 W.

22 Ei.Y.

31.72

33.8 W.

1905

Apr. 17 Ei.Y.

31.80

35.8 E.

1906

Apr. 16 Ei.Y.

31.76

34.5 W.

Mean.....

31.762

34.85

Mag. corr.....

+0.023

C. P. D. -28° 56'94

$\alpha = 17^{\text{h}} 25^{\text{m}}$

$\delta = -28^{\circ} 2'$

1904

s

"

Apr. 18 Ei.Y.

38.52

31.5 W.

May 24 Ei.Y.

38.54

33.0

1906

June 25 Ei.Y.

38.57

32.1 W.

1907

July 16 Ei.M.

38.58

33.1 E.

Mean.....

38.552

32.42

Mag. corr.....

-0.012

B. D. +35° 29'86

$\alpha = 17^{\text{h}} 25^{\text{m}}$

$\delta = +35^{\circ} 1'$

1905

s

"

Apr. 27 Br.

53.47

1.0 E.

30 Y.

53.48

0.8

May 2 M.

53.53

0.4

7 Y.

53.54

0.0

8 Y.

53.57

0.5

20 M.

53.52

0.4

23 Br.

53.52

0.1

25 Br.

53.55

0.2

27 M.

53.48

0.5

June 2 M.

53.54

1.3 E.

1906

July 19 Bs.

53.59

... W.

21 Bs.

53.63

...

26 Bs.

53.61

...

28 Bs.

53.61

... W.

Mean.....

53.546

0.52

Mag. corr.....

+0.009

C. P. D. -29° 47'67

$\alpha = 17^{\text{h}} 26^{\text{m}}$

$\delta = -29^{\circ} 34'$

1904

s

"

May 11 Ei.Y.

40.74

39.8 W.

12 Ei.Y.

40.74

39.1 W.

1905

May 19 Ei.Y.

40.74

39.4 E.

1906

June 29 Ei.Y.

40.74

39.4 W.

Mean.....

40.740

39.42

Mag. corr.....

+0.012

λ Herculis

$\alpha = 17^{\text{h}} 26^{\text{m}}$

$\delta = +26^{\circ} 11'$

1904

s

"

June 12 R.

41.89

10.4 W.

1905

Mar. 28 M.

41.78

9.8 E.

Apr. 13 Br.

41.82

10.9

19 Y.

41.87

9.7

20 Br.

41.83

9.7

23 Y.

41.81

10.0

24 Br.

41.81

9.9

May 18 Br.

41.82

10.0 Q

June 9 Hl.

41.80

.... E.

1906

Apr. 1 Bs.

41.78

10.1 W.

May 4 Bs.

41.85

11.5 W.

1907

July 5 Hl.

41.88

9.8 E.

1908

Apr. 30 P.

41.89

9.0 W.

May 1 Fk.

....

9.8

10 M.

41.74

9.8 W.

Mean.....

41.826

10.03

Mag. corr.....

+0.005

B. D. -17° 48'41

$\alpha = 17^{\text{h}} 27^{\text{m}}$

$\delta = -17^{\circ} 25'$

1904

s

"

July. 6 Ei.Y.

9.94

25.0 W.

11 Ei.Y.

9.97

25.4 W.

1905

June 8 Ei.Y.

9.99

25.5 E.

1906

June 22 Ei.Y.

9.99

25.0 W.

Mean.....

9.972

25.22

Mag. corr.....

+0.013

B. D. -20° 47'90

$\alpha = 17^{\text{h}} 27^{\text{m}}$

$\delta = -20^{\circ} 42'$

1904

s

"

May 7 Ei.Y.

28.24

21.2 W.

27 Ei.Y.

28.30

20.6

1906

July 5 Ei.Y.

28.29

21.0 W.

1907

July 25 Ei.M.

28.24

21.3 E.

Mean.....

28.268

21.02

Mag. corr.....

-0.003

β Draconis

$\alpha = 17^{\text{h}} 28^{\text{m}} 10^{\text{s}}.364$

$\delta = +52^{\circ} 22' 31''.26$

1903

s

"

Sept. 11 R.

[-0.02]

[+0.6] W.

1905

Aug. 19 Hl.

-0.10

-0.1

1906

Apr. 1 Bs.

+0.01

-0.3

May 4 Bs.

+0.10

+0.1 W.

1907

Apr. 24 M.

-0.05

+0.2 E.

July 20 M.

+0.07

+0.3

23 Hl.

-0.04

+0.8

29 M.

0.00

+0.1

Aug. 6 P.

+0.03

+0.6 E.

1908

May 23 P.

+0.01

-0.2 W.

July 27 P.

+0.04

+0.5 W.

Mean.....

+0.007

+0.20

Mag. corr.....

+0.001

B. D. -21° 4659				1906				1911				1904			
$\alpha = 17^h 29^m$				Apr. 12 Br.	+0.06	+0.6	W.	Mar. 28 L.	+0.08	+1.0	E.	Apr. 17 R.	+0.05	-0.1	W.
$\delta = -21^\circ 58'$				July 5 Ei.Y.	+0.02	+2.1		31 L.	+0.06	+1.2		19 M.	+0.10	+0.1	
1904				7 Ei.Y.	+0.04	+0.6		Apr. 6 P.	+0.01	+0.8		21 Br.	+0.10	+0.4	
May 4 Ei.Y.	17.58	34.4	W.	19 Bs.	+0.03	...		10 P.	0.00	+0.9	E.	22 M.	+0.18	+0.2	
5 Ei.Y.	17.54	34.0	W.	21 Bs.	+0.05	...		Mean.....	+0.027	+0.87		May 2 Br.	+0.09	+0.5	
1905				26 Bs.	+0.01	...		Mag. corr.....	+0.007			3 M.	+0.10	+0.6	
Apr. 14 Ei.Y.	17.46	35.0	E.	28 Bs.	-0.02	...	W.	ν^2 Draconis				8 R.	+0.05	+0.3	
1906				1907				$\alpha = 17^h 30^m$				11 Ei.Y.	+0.08	+0.2	
Apr. 19 Ei.Y.	17.46	34.7	W.	Apr. 21 M.	+0.02	+0.5	E.	$\delta = +55^\circ 14'$				12 Ei.Y.	+0.09	+0.4	
Mean.....	17.510	34.52		25 Hl.	+0.04	+0.6		1905				13 M.	+0.15	+0.7	
Mag. corr.....	+0.016			May 9 Hl.	+0.06	+0.8		Mar. 26 Y.	17.79	28.9	E.	28 Ei.Y.	+0.04	+1.1	
C. P. D. -24° 5914				14 P.	+0.05	+0.9		30 Br.	17.72	27.6		June 13 Ei.Y.	+0.07	+0.8	
$\alpha = 17^h 29^m$				19 M.	-0.01	...		Apr. 2 Y.	17.82	28.3		14 Ei.Y.	+0.02	0.0	
$\delta = -24^\circ 33'$				June 17 Ei.M.	+0.04	+0.4		7 M.	17.73	28.6		17 Ei.Y.	+0.07	+0.4	
1904				July 5 Hl.	+0.01	+0.7		9 Y.	17.72	28.3	E.	22 Ei.Y.	+0.07	+0.8	
May 28 Ei.Y.	26.40	34.3	W.	8 Hl.	+0.01	+1.2		1906				30 R.	+0.02	+0.8	
June 17 Ei.Y.	26.43	34.3	W.	19 M.	+0.02	...		May 3 Br.	17.85	27.6	W.	July 1 Br.	+0.09	...	
1905				25 Ei.M.	-0.02	+1.1		1908				14 Ei.Y.	+0.06	+0.6	
June 14 Ei.Y.	26.41	34.4	E.	Aug. 15 P.	0.00	+0.8		Apr. 16 Fk.	0.00	+1.0		16 Ei.Y.	+0.10	+0.1	W.
Mean.....	26.413	34.33		1908				July 1 M.	17.87	28.6		1905			
Mag. corr.....	+0.001			Apr. 17 P.	+0.01	...		8 Fk.	17.86	28.5		Apr. 14 Ei.Y.	+0.10	+0.4	E.
ν^1 Draconis				19 M.	+0.04	+0.7		11 Fk.	17.87	28.6		May 18 Br.	+0.05	+0.2	
$\alpha = 17^h 30^m$				20 P.	+0.10	...		15 Fk.	17.87	27.9	W.	19 Ei.Y.	+0.10	+0.5	
$\delta = +55^\circ 15'$				21 Fk.	-0.02	...	E.	Mean.....	17.810	28.29		24 Ei.Y.	+0.13	0.0	
1903				May 17 M.	+0.03	...	W.	Mag. corr.....	+0.001			June 1 Ei.Y.	+0.09	-0.8	
Sept. 7 L.	[12.35]	[9.9]	W.	June 20 Fk.	+0.07	0.0		B. D. -18° 4586				14 Ei.Y.	+0.09	-0.7	
10 L.	[12.43]	[9.6]		27 Fk.	-0.01	+1.2		$\alpha = 17^h 31^m$				18 Ei.Y.	+0.02	-0.4	
25 R.	[12.33]	[9.3]	W.	29 M.	+0.02	+0.6		$\delta = -18^\circ 55'$				May 4 Bs.	+0.08	+0.2	
1905				July 13 M.	+0.06	...		1904				June 22 Ei.Y.	+0.08	+0.5	
Apr. 7 M.	12.36	9.4	E.	Aug. 7 P.	0.00	...		June 18 Ei.Y.	9.37	39.4	W.	30 Ei.Y.	+0.13	-0.1	W.
9 Y.	12.35	10.4	E.	1909				23 Ei.Y.	9.34	38.8	W.	1907			
1906				Mar. 23 L.	+0.09	+1.4		1905				Apr. 24 M.	+0.06	-0.2	E.
Apr. 27 Bs.	12.56	9.4	W.	26 L.	-0.01	+1.2		Apr. 17 Ei.Y.	9.33	39.1	E.	May 13 Hl.	+0.07	0.0	
30 Br.	12.45	9.2	W.	30 L.	+0.05	+0.1		1906				14 P.	+0.09	0.0	
1907				31 M.	+0.06	+0.5		Apr. 16 Ei.Y.	9.30	39.1	W.	June 17 Ei.M.	+0.10	-0.2	
May 4 Hl.	12.46	10.2	E.	Apr. 4 M.	+0.05	+0.5		Mean.....	9.335	39.10		July 23 Hl.	+0.05	-0.5	
Aug. 12 Hl.	12.61	10.1		9 L.	+0.05	+1.0		Mag. corr.....	+0.008			31 P.	+0.04	+0.3	
14 Hl.	12.57	10.0		11 M.	+0.04	+0.7		B. D. +48° 2534				Aug. 6 P.	+0.16	-0.6	
1908				15 P.	+0.04	+1.1		$\alpha = 17^h 31^m$				8 P.	+0.07	-0.6	
Apr. 13 Fk.	12.51	9.1	E.	16 L.	+0.05	+0.7		$\delta = +48^\circ 12'$				1908			
Mean.....	12.484	9.72		18 M.	+0.07	+0.6		1907				Apr. 20 P.	+0.09	+0.6	
Mag. corr.....	+0.001			26 P.	+0.01	+1.0		May 12 M.	25.79	25.4	E.	21 Fk.	+0.06	+0.9	E.
α Ophiuchi				28 M.	+0.01	...	W.	July 3 P.	25.87	25.6	E.	30 P.	+0.14	...	W.
$\alpha = 17^h 30^m 17^s.603$				July 29 P.	+0.08	+1.3	E.	Mean.....	25.830	25.50		May 26 Fk.	+0.08	+0.1	
$\delta = +12^\circ 37' 55''.64$				Aug. 30 M.	+0.02	+1.0		Mag. corr.....	-0.009			27 M.	+0.11	+0.2	
1903				Aug. 2 L.	+0.01	+0.7		B. D. -20° 4823				28 P.	+0.06	-0.3	
Sept. 5 L.	[+0.06]	[+0.7]	W.	4 L.	+0.03	+0.9		$\alpha = 17^h 31^m$				July 13 M.	+0.10	...	
1904				7 P.	+0.05	+1.2		$\delta = -20^\circ 37'$				1909			
June 30 R.	+0.03	...		9 L.	+0.05	+1.2		1904				Apr. 15 P.	+0.02	-0.5	
July 20 T.	-0.06	+0.9		10 P.	+0.04	+0.8		Apr. 18 Ei.Y.	33.38	37.7	W.	16 L.	+0.07	+0.3	
22 Br.	+0.04	+1.2		16 P.	+0.03	+0.5		May 24 Ei.Y.	33.45	38.0		18 M.	+0.07	0.0	
24 T.	...	+0.4		19 L.	+0.01	0.0		1906				26 P.	+0.09	+0.5	W.
26 Br.	+0.05	+1.0		21 L.	+0.05	+0.9		June 25 Ei.Y.	33.43	38.3	W.	Sept. 21 P.	...	[-0.1]	E.
30 M.	+0.04	+1.0		23 L.	0.00	+1.0		1907				1910			
Aug. 11 M.	+0.05	+1.4		24 P.	+0.06	+0.8		Apr. 18 Ei.Y.	33.38	37.7	W.	Mar. 3 P.	[+0.10]	[-0.4]	
12 Br.	0.00	+1.8		27 L.	+0.08	+0.3		May 24 Ei.Y.	33.45	38.0		4 L.	[+0.10]	[+0.3]	
15 Br.	+0.02	+1.2	W.	30 M.	+0.01	+1.1		1906				31 P.	...	+0.1	
1905				31 P.	0.00	+1.3		June 25 Ei.Y.	33.43	38.3	W.	Apr. 27 M.	+0.13	+0.3	
Apr. 27 Br.	+0.02	+0.7	E.	Sept. 1 L.	0.00	+0.8		1907				28 P.	+0.13	+0.2	
30 Y.	-0.01	+1.0		1910				July 16 Ei.M.	33.45	38.0	E.	May 23 M.	+0.09	0.0	
May 2 M.	+0.01	+0.2		July 11 L.	+0.02	+0.7		Mean.....	33.428	38.00		June 19 M.	+0.06	...	
7 Y.	+0.05	+0.7		14 M.	+0.02	+1.2		Mag. corr.....	-0.005			22 M.	+0.16	+0.8	
8 Y.	+0.03	+0.7		25 P.	+0.03	-0.1		ξ Serpentis				July 20 M.	+0.12	+0.6	
12 Y.	+0.02	+0.6		26 M.	+0.06	+1.4		$\alpha = 17^h 31^m 51^s.560$				21 P.	+0.12	+0.5	
20 M.	+0.01	+1.1		29 P.	+0.01	+0.8		$\delta = -15^\circ 20' 8''.38$				Aug. 1 P.	+0.15	-0.3	
21 Br.	+0.06	+1.2		4 P.	0.00	+1.0		1904				4 P.	+0.07	-0.7	
23 Br.	-0.01	+0.7		12 P.	+0.03	+1.1		Mar. 25 M.	+0.06	-0.8	W.	11 L.	+0.13	+0.2	
25 Br.	-0.01	+0.3		18 P.	+0.01	+0.4		28 Br.	+0.05	+0.4		13 L.	+0.08	+0.8	
27 M.	+0.03	+1.8		19 L.	+0.02	+1.2		Apr. 4 Br.	+0.11	+0.2		16 P.	+0.10	-0.1	
June 2 M.	+0.03	+0.9	E.	20 P.	+0.02	+1.0		5 M.	+0.02	+0.6		18 P.	+0.09	-0.2	
				22 P.	+0.02	+0.4		12 M.	+0.10	-0.1	W.	1911			
				23 L.	+0.04	+1.0		Mar. 20 P.				20 P.	+0.08	0.0	
				24 P.	+0.02	+0.3		21 L.				21 L.	+0.12	0.0	E.
				25 L.	+0.01	+0.8									
				27 L.	+0.01	+1.2									
				30 L.	+0.02	+1.7	E.								

1911 Mar. 23 P. 24 L.	s +0.05 +0.20	" -1.3 E. +0.2 E.	B. D. -21° 4632 $\alpha = 17^h 32^m$ $\delta = -21^\circ 51'$	1905 June 8 Ei.Y. 1906 June 22 Ei.Y.	s 43.83 43.88	" 55.8 E. 55.9 W.	1906 July 21 Bs. 26 Bs. 28 Bs.	s 21.88 21.95 21.93	" W. W. W.
Mean..... Mag. corr.....	+0.087 -0.004	+0.13	1904 May 4 Ei.Y. 5 Ei.Y.	s 44.36 44.34	" 12.1 W. 12.2 W.	Mean..... Mag. corr.....	43.808 +0.003	55.38	Mean..... Mag. corr.....
B. D. -15° 4622 $\alpha = 17^h 31^m$ $\delta = -15^\circ 30'$			1905 May 24 Ei.Y. 1906 July 7 Ei.Y.	s 44.29 44.30	" 12.0 E. 12.0 W.	B. D. -19° 4683 $\alpha = 17^h 35^m$ $\delta = -19^\circ 24'$		" 12.8 W. 12.5	" 12.4 W. 13.2 E.
1904 July 6 Ei.Y. 11 Ei.Y.	s 51.90 51.84	" 34.1 W. 34.5 W.	Mean..... Mag. corr.....	44.322 +0.015	12.08	1904 May 7 Ei.Y. 27 Ei.Y.	s 23.67 23.63	" 12.8 W. 12.5	1903 Sept. 5 L.
1905 June 8 Ei.Y. 1906 June 29 Ei.Y.	s 51.94 51.88	" 34.5 E. 34.8 W.	C. P. D. -26° 5922 $\alpha = 17^h 32^m$ $\delta = -26^\circ 52'$			1906 July 5 Ei.Y. 1907 July 25 Ei.M.	s 23.66 23.63	" 12.4 W. 13.2 E.	s [0.00] [+0.5] W.
Mean..... Mag. corr.....	51.890 +0.024	34.48	1904 May 28 Ei.Y. June 13 Ei.Y.	s 51.21 51.19	" 37.3 W. 37.7 W.	Mean..... Mag. corr.....	23.648 -0.002	12.72	Apr. 3 R. 4 Br. 5 M. 12 M. 13 R. 14 Br. 19 M. 20 R. 21 Br. 22 M.
f Draconis $\alpha = 17^h 32^m$ $\delta = +68^\circ 11'$			1905 June 18 Ei.Y. 1906 June 30 Ei.Y.	s 51.25 51.22	" 37.8 E. 38.0 W.	o Serpentis $\alpha = 17^h 35^m$ $\delta = -12^\circ 49'$			May 1 R. 3 M. 8 R. 13 M.
1905 Apr. 19 Y.	s 21.76	" 57.2 E.	Mean..... Mag. corr.....	51.218 +0.007	37.70	1903 Sept. 7 L. 12 L. 25 R.	s [47.66] [47.73] [47.64]	" [18.2] W. [18.6] [18.6]	June 12 R. 15 R.
1907 Apr. 19 P. July 21 Hl. 29 M. Aug. 22 P.	s 21.73 21.86 21.80 21.95	" 56.5 56.4 56.2 56.0 E.	C. P. D. -29° 4825 $\alpha = 17^h 32^m$ $\delta = -29^\circ 28'$			1904 July 22 Br. 24 T. 26 Br. 30 M. Aug. 11 M. 12 Br. 15 Br.	s 47.62 47.69 47.59 47.66 47.60 47.60	" 17.5 18.2 17.9 18.5 17.9 17.5 18.1 W.	1907 May 9 Hl. July 26 Hl. 31 P.
1908 May 23 P. 24 M. July 16 M. 17 P. Aug. 7 P.	s 21.74 21.69 21.78 21.80 21.77	" 56.7 W. 56.8 56.2 56.9 56.7 W.	1904 June 18 Ei.Y. 23 Ei.Y.	s 57.93 57.81	" 22.1 W. 22.4 W.	1907 Apr. 21 M. May 4 Hl. July 3 P.	s 47.59 47.67 47.61	" 18.3 E. 18.3 19.0	1908 Apr. 13 Fk. 19 M.
Mean..... Mag. corr.....	21.788 0.000	56.56	1905 Apr. 17 Ei.Y. 1906 Apr. 16 Ei.Y.	s 57.78 57.85	" 22.1 E. 22.2 W.	1908 Apr. 13 Fk. 19 M.	s 47.64 47.63	" 18.6 18.5 E.	Mean..... Mag. corr.....
f Draconis s. P. $\alpha = 17^h 32^m$ $\delta = +68^\circ 11'$			Mean..... Mag. corr.....	57.842 +0.014	22.20	Mean..... Mag. corr.....	47.627 +0.006	18.19	C. P. D. -27° 5723 $\alpha = 17^h 36^m$ $\delta = -27^\circ 50'$
1907 Oct. 10 Hl.	s 21.77	" 57.1 E.	B. D. -17° 4871 $\alpha = 17^h 33^m$ $\delta = -17^\circ 23'$			1904 Apr. 18 Ei.Y. May 24 Ei.Y.	s 16.22 16.32	" 17.8 W. 18.3	1904 May 28 Ei.Y. June 18 Ei.Y.
1908 Jan. 17 P.M. 18 M.P. 30 M. Feb. 3 P. 6 P. Sept. 28 P. Oct. 6 L. 11 M. 12 P. 13 M. 14 P.	s 21.79 21.74 21.75 21.57 21.81 21.86 21.82 21.65 21.86 21.77 21.79	" 55.6 56.2 55.7 57.2 55.8 E. 58.1 W. 57.4 57.5 57.2 57.5 55.7 W.	1904 Apr. 18 Ei.Y. May 24 Ei.Y.	s 16.22 16.32	" 17.8 W. 18.3	1905 June 25 Ei.Y. 1907 July 16 Ei.M.	s 16.26 16.32	" 18.4 W. 18.1 E.	1905 June 18 Ei.Y. 1906 June 30 Ei.Y.
Mean..... Mag. corr.....	21.765 0.000	56.75	Mean..... Mag. corr.....	16.280 -0.007	18.15	Mean..... Mag. corr.....	50.66 50.64	36.7 W. 36.5 W.	Mean..... Mag. corr.....
C. P. D. -28° 5741 $\alpha = 17^h 32^m$ $\delta = -28^\circ 21'$			C. P. D. -25° 6038 $\alpha = 17^h 34^m$ $\delta = -25^\circ 34'$			1904 May 4 Ei.Y. 5 Ei.Y.	s 50.66 50.64	" 36.7 W. 36.5 W.	1905 May 24 Ei.Y. 1906 July 7 Ei.Y.
1904 May 7 Ei.Y. 27 Ei.Y.	s 41.97 42.02	" 6.3 W. 5.9	1904 July 14 Ei.Y. 16 Ei.Y.	s 23.77 23.76	" 8.9 W. 7.8 W.	1905 May 24 Ei.Y.	s 50.63	" 37.8 E.	C. P. D. -30° 4874 $\alpha = 17^h 37^m$ $\delta = -30^\circ 7'$
1906 July 5 Ei.Y. 1907 July 25 Ei.M.	s 42.00 41.98	" 5.9 W. 6.5 E.	Mean..... Mag. corr.....	23.775 -0.003	8.82	1906 July 7 Ei.Y.	s 50.61	" 37.3 W.	1904 June 14 Ei.Y. 23 Ei.Y.
Mean..... Mag. corr.....	41.992 +0.007	6.15	C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	1905 June 8 Ei.Y. 1906 Apr. 16 Ei.Y.
			Mean..... Mag. corr.....	23.775 -0.003	8.82	1905 Apr. 27 Br. May 2 M. 7 Y. 8 Y. 20 M. 23 Br. 27 M. June 2 M.	s 21.83 21.88 21.86 21.93 21.84 21.80 21.89 21.84	" 35.0 E. 34.8 34.8 35.0 35.0 34.4 34.6 35.2 E.	Mean..... Mag. corr.....
			C. P. D. -23° 6631 $\alpha = 17^h 34^m$ $\delta = -23^\circ 46'$			Mean..... Mag. corr.....	50.635 +0.001	37.08	Mean..... Mag. corr.....
			1904 July 6 Ei.Y. 11 Ei.Y.	s 43.78 43.74	" 55.1 W. 54.7 W.	B. D. +35° 3029 $\alpha = 17^h 36^m$ $\delta = +35^\circ 52'$		" 35.0 E. 34.8 34.8 	

1906			1905			1909			1910		
June 25 Ei.Y.	26.20	3.7 W.	May 19 Ei.Y.	18.95	51.8 E.	July 15 M.	+0.04	+0.6 E.	Apr. 6 M.	....	+0.5 E.
1907			1906			17 L.	+0.04	+0.2	7 P.	+0.01	+0.8
July 16 Ei.M.	26.25	4.0 E.	June 29 Ei.Y.	18.91	51.6 W.	24 P.	0.00	+0.4	8 L.	-0.02	+0.1
Mean.....	26.220	3.68	Mean.....	18.948	51.50	27 P.	+0.01	+0.2	10 M.	....	+0.5
Mag. corr.....	+0.002		Mag. corr.....	+0.006		28 M.	+0.02	-0.2	12 L.	+0.04	+1.2
ω Draconis			β Ophiuchi			29 P.	+0.01	+0.4	13 M.	-0.01	+1.2
$\alpha = 17^h 37^m 32^s.185$			$\alpha = 17^h 38^m 31^s.923$			30 M.	0.00	+0.5	14 P.	+0.04	+0.3
$\delta = +68^\circ 48' 17''.32$			$\delta = +4^\circ 36' 33''.85$			Aug. 2 L.	+0.04	+0.7	15 L.	-0.01	+0.4
1905			1903			4 L.	+0.03	+0.9	19 L.	+0.08	+0.4
Aug. 19 Hl.	-0.18	+1.7 W.	Sept. 10 L.	[+0.02] [-0.3] W.		7 P.	+0.01	+0.5	22 L.	+0.03	+0.4
21 M.	-0.03	+0.4	11 R.	[-0.03] [+0.3] W.		9 L.	+0.04	+0.3	25 P.	+0.02	0.0
1906			1904			10 P.	0.00	+0.4	26 L.	0.00	+1.1
May 4 Bs.	-0.07	+0.5 W.	Apr. 17 R.	+0.03	+0.1	16 P.	+0.04	+0.3	27 M.	+0.06	+0.9
1907			June 30 R.	+0.01	+0.9	19 L.	+0.01	-0.1	28 P.	+0.02	+1.2
Apr. 24 M.	-0.03	-0.1 E.	July 19 Br.	+0.02	+0.8	21 L.	+0.02	0.0	30 P.	-0.03	+1.0
May 12 M.	-0.03	-0.2	Aug. 6 T.	+0.05	+0.3 W.	23 L.	+0.01	+0.3	May 4 M.	-0.01	+0.4
July 29 M.	-0.04	0.0	1905			24 P.	+0.04	+0.5	5 P.	+0.03	+1.3
Aug. 12 Hl.	+0.05	+0.7	Mar. 26 Y.	+0.01	+1.0 E.	25 L.	+0.02	+0.1	6 L.	+0.02	+0.6
15 P.	+0.09	-0.1 E.	30 Br.	+0.01	+0.6	27 L.	+0.04	0.0	9 P.	-0.01	+0.8
1908			Apr. 2 Y.	+0.02	+0.5	30 M.	+0.03	+1.0	12 P.	0.00	+1.2
July 1 M.	-0.11	+0.2 W.	7 M.	+0.01	+0.2	31 P.	+0.01	+0.8	15 M.	+0.02	-0.1
6 M.	-0.12	+0.3 W.	9 Y.	+0.07	0.0	Sept. 1 L.	-0.01	+1.0	16 P.	+0.05	+0.7
Mean.....	-0.047	+0.34	17 Ei.Y.	+0.01	+0.2	2 M.	+0.01	+0.5	18 M.	+0.01	+0.6
Mag. corr.....	+0.001		20 Br.	+0.01	+0.9	7 P.	+0.02	+0.9	19 P.	+0.07	+0.4
ω Draconis s. p.			23 Y.	+0.04	+0.3	8 L.	[+0.01] [+0.2]		23 M.	+0.02	+0.9
$\alpha = 17^h 37^m 32^s.182$			24 Br.	+0.01	+0.5	11 L.	[0.00] [+0.5]		26 P.	+0.04	+1.6
$\delta = +68^\circ 43' 16''.80$			May 18 Br.	0.00	+0.6	13 L.	[-0.03] [+0.6]		27 L.	+0.03	+1.2
1903			June 1 Ei.Y.	+0.04	-0.4 E.	14 P.	[+0.02] [+0.7]		June 3 L.	+0.01	+0.6
Sept. 24 R.	-0.09	+0.1 W.	Aug. 17 M.	+0.02	+0.1 W.	15 M.	....		6 P.	+0.01	+1.3
25 L.	-0.02	+0.8	18 Br.	-0.01	+0.2	17 M.	[0.00] -0.3		7 L.	+0.07	+1.3
27 L.	-0.02	+0.3	1906			18 P.	[+0.04] +0.4		8 M.	+0.03	+0.6
28 R.	-0.07	+1.1	Apr. 12 Br.	-0.03	+0.5	21 P.	....		13 M.	+0.05	+0.5
29 L.	+0.02	+0.7	15 Bs.	-0.02	+0.7	22 M.	....		19 M.	0.00	+0.6
Oct. 1 L.	-0.05	-0.2 W.	27 Bs.	+0.07	+0.3	23 P.	....		21 P.	-0.01	+1.6
1907			30 Br.	-0.02	+0.3	25 P.	[-0.04] +0.3		22 M.	+0.05	+0.7
Oct. 2 M.	-0.07	+0.7 E.	May 3 Br.	+0.01	+0.2	28 P.	[+0.01] +0.3		23 L.	+0.02	+0.5
9 P.	-0.16	-0.8	June 25 Ei.Y.	+0.05	+0.5	29 L.	[0.00] +0.7		24 M.	+0.02	+1.4
14 Hl.	+0.13	+0.3	July 7 Ei.Y.	+0.01	+1.0 W.	30 P.	[+0.02] +0.6		25 L.	+0.03	+0.9
15 P.	-0.18	+0.1	1907			Oct. 1 M.	[-0.01] +0.4		26 M.	+0.03	+0.8
21 Hl.	+0.01	-0.7 E.	Apr. 25 Hl.	+0.04	+0.8 E.	2 L.	....		29 M.	+0.03	-0.2
Mean.....	-0.045	+0.22	May 13 Hl.	+0.06	+0.8	4 M.	[-0.05] +0.1		30 L.	-0.02	+0.4
Mag. corr.....	+0.001		19 M.	0.00	....	5 P.	[+0.05] -0.3		July 5 M.	+0.02	+1.4
324 B. Herculis			July 8 Hl.	+0.06	+0.6	6 L.	[+0.03] +0.1		8 L.	+0.03	+0.8
$\alpha = 17^h 37^m$			16 Ei.M.	+0.02	....	7 M.	[-0.11] -0.7		11 L.	-0.02	+0.7
$\delta = +43^\circ 31'$			19 M.	+0.02	+1.1	8 P.	[-0.08] +0.1		14 M.	+0.04	+0.2
1904			20 M.	+0.02	+0.4	9 L.	[-0.08] -0.4		19 L.	-0.02	+0.8
July 1 Br.	35.96	.... W.	21 Hl.	+0.05	-1.3	12 P.	[+0.01] 0.0		20 M.	0.00	+0.6
1905			23 Hl.	+0.03	+0.1	13 L.	[-0.03] 0.0		21 P.	-0.02	+1.0
Apr. 13 Br.	35.92	12.1 E.	Aug. 13 P.	0.00	+0.4	15 P.	....		22 M.	-0.01	+0.2
19 Y.	35.97	11.7	20 P.	-0.02	+0.5	19 P.	[-0.03] -0.4		25 P.	-0.01	+0.1
June 9 Hl.	35.92	.... E.	22 P.	0.00	+0.4	20 M.	....		26 M.	+0.02	+0.4
1906			1908			21 P.	[0.00] -0.6		29 P.	0.00	-0.3
Apr. 1 Bs.	35.93	11.7 W.	Apr. 20 P.	+0.06	+1.7	22 M.	[-0.05] -0.1		30 M.	+0.03	+0.9
1907			21 Fk.	-0.01	+1.4 E.	25 M.	[-0.09] -0.1		Aug. 1 P.	0.00	+1.0
Aug. 6 P.	35.96	11.5 E.	30 P.	+0.01	+0.4 W.	26 P.	[+0.02] 0.0		3 M.	-0.04	+0.5
8 P.	36.05	11.6 E.	May 1 Fk.	....	+0.4	28 M.	[+0.02] 0.0		5 M.	0.00	+1.0
1908			10 M.	+0.02	0.0	29 P.	[+0.01] +0.2		6 L.	0.00	+0.9
July 8 Fk.	36.02	12.0 W.	23 P.	+0.01	+0.2	30 L.	[-0.07] +0.1		9 L.	-0.02	+0.8
15 Fk.	36.07	11.9	24 M.	+0.08	+0.1	Nov. 1 M.	[0.00] -1.1		10 P.	-0.03	+0.7
16 M.	36.00	11.6 W.	25 P.	+0.03	+0.4	2 P.	....		13 L.	0.00	+0.8
Mean.....	35.980	11.76	26 Fk.	+0.03	+0.5	4 M.	[+0.02] -0.5		16 P.	+0.02	+0.7
Mag. corr.....	+0.010		27 M.	+0.07	+0.7	5 L.	[+0.01] 0.0		18 P.	-0.01	+0.7
B. D. -17° 4903			28 P.	+0.04	+0.3	1910			19 L.	+0.03	+0.3
$\alpha = 17^h 38^m$			July 13 M.	+0.02	....	Feb. 18 L.	[+0.04] +0.6		20 P.	+0.05	+0.4
$\delta = -17^\circ 41'$			20 M.	+0.02	+0.6	24 P.	[+0.04] +0.4		22 P.	+0.03	+0.1
1904			27 P.	-0.05	+0.7	25 L.	[-0.02] +0.3		23 L.	+0.04	0.0
July 14 Ei.Y.	18.96	51.3 W.	Aug. 7 P.	+0.03	+0.9	Mar. 3 P.	[-0.04] +0.5		24 P.	+0.04	+0.2
16 Ei.Y.	18.97	51.3 W.	9 Fk.	+0.01	+0.3	4 L.	[+0.02] +0.6		25 L.	+0.05	+0.1
			1909			13 M.	[+0.08] 0.0		27 L.	0.00	+0.6
			Apr. 10 P.	+0.05	+2.2	14 L.	[0.00] +1.3		30 L.	+0.04	+0.3
			15 P.	+0.10	+0.5	15 M.	[+0.09] -0.2		Sept. 6 P.	-0.04	+1.2
			16 L.	-0.02	+0.6	17 P.	+0.03	+0.5	7 M.	+0.03	+0.5
			18 M.	0.00	+0.2	18 M.	+0.04	+0.2	8 P.	[+0.01] [-0.1]	
			26 P.	+0.02	+0.8	20 M.	....	+0.9	10 P.	[-0.03] [+0.4]	
			28 M.	+0.05	+0.1 W.	21 P.	+0.03	+0.4	12 P.	[+0.02] [+0.4]	
						24 P.	+0.03	+0.2	15 M.	[+0.04] [+0.2]	
						28 P.	+0.05	+1.0	16 P.	[+0.02] [+0.4]	
						Apr. 5 L.	+0.06	+0.3 E.	17 L.	[+0.02] [+0.9] E.	

1910			1906			B. D. -18° 4645			1906		
Sept. 20 L.	[+0.02]	[-0.1] E.	July 5 Ei.Y.	1.24	41.7 W.	$\alpha = 17^h 41^m$			Apr. 27 Bs.	-0.01	+0.4 W.
22 L.	[+0.01]	+0.8	Mean.....	1.202	42.20	$\delta = -18^\circ 4'$			30 Br.	-0.01	+0.6
26 M.	[-0.04]	-0.1	Mag. corr.....	-0.014		1904	s	"	May 3 Br.	+0.02	+0.6
27 P.	[+0.05]	-1.0				July 14 Ei.Y.	36.15	9.4 W.	July 19 Bs.	+0.01	...
28 L.	[0.00]	+0.6				16 Ei.Y.	36.13	9.6	21 Bs.	+0.01	...
Oct. 1 L.	[+0.02]	0.0				1906			26 Bs.	+0.05	...
4 P.	[-0.03]	0.0	B. D. -20° 4865			June 29 Ei.Y.	36.15	9.6 W.	28 Bs.	+0.01	...
5 L.	....	0.0	$\alpha = 17^h 39^m$			1907			Aug. 15 Ei.Y.	+0.03	+0.8 W.
6 M.	....	-0.4	$\delta = -20^\circ 9'$			July 25 Ei.M.	36.09	8.5 E.	1907		
10 M.	[-0.01]	-0.6	1904	s	"	Mean.....	36.130	9.28	Apr. 21 M.	-0.03	+0.5 E.
11 P.	[-0.06]	-0.6	May 4 Ei.Y.	44.00	42.0 W.	Mag. corr.....	+0.006		25 Hl.	0.00	+0.8
12 L.	[-0.07]	+0.2	5 Ei.Y.	44.02	42.0 W.				May 13 Hl.	+0.03	+1.3
13 M.	[-0.01]	-0.5	1905						14 P.	+0.04	+1.0
14 P.	[-0.07]	-0.7	May 24 Ei.Y.	43.99	42.7 E.	C. P. D. -26° 5987			19 M.	+0.03	...
15 M.	[-0.06]	-0.6	1906			$\alpha = 17^h 42^m$			July 3 P.	+0.06	+0.5
17 M.	[-0.08]	-0.6	July 7 Ei.Y.	44.01	42.5 W.	$\delta = -26^\circ 56'$			8 Hl.	+0.02	+0.8
18 P.	[-0.02]	-0.2	Mean.....	44.005	42.30				23 Hl.	+0.04	+1.2
22 L.	[+0.03]	+0.4	Mag. corr.....	-0.010		1904	s	"	26 Hl.	+0.04	+0.9
24 M.	[-0.01]	-0.3				July 6 Ei.Y.	12.63	20.5 W.	27 P.	+0.02	+1.2
26 L.	[-0.05]	+0.1	C. P. D. -25° 6071			11 Ei.Y.	12.64	20.4 W.	Aug. 12 Hl.	0.00	+1.2
28 P.	[+0.01]	-0.6	$\alpha = 17^h 40^m$			1905			13 P.	-0.01	+0.2
29 L.	....	+0.3	$\delta = -25^\circ 42'$			June 8 Ei.Y.	12.67	20.6 E.	14 Hl.	+0.07	+0.9
31 M.	[-0.02]	-0.6	1904	s	"	1906			15 P.	+0.05	+0.9
Nov. 8 P.	[+0.01]	+0.3	May 28 Ei.Y.	31.45	52.8 W.	June 22 Ei.Y.	12.62	20.9 W.	20 P.	-0.05	+1.0
1911			June 23 Ei.Y.	31.41	52.8	Mean.....	12.640	20.60	22 P.	+0.04	+0.6
Feb. 9 P.	[+0.03]	[-0.2]	1906			Mag. corr.....	+0.021		26 Hl.	+0.01	+0.9
18 P.	[+0.08]	+0.5	June 30 Ei.Y.	31.48	52.9 W.				1908		
20 P.	[-0.01]	+0.7	1907			μ Herculis			Apr. 13 Fk.	-0.03	+0.4
22 M.	[-0.07]	+0.6	July 16 Ei.M.	31.50	53.3 E.	$\alpha = 17^h 42^m 32^s.514$			16 Fk.	+0.01	+0.3
Mar. 2 P.	[+0.11]	+0.3	Mean.....	31.460	52.95	$\delta = +27^\circ 46' 39''.52$			19 M.	+0.06	+1.4
6 P.	[-0.04]	+0.1	Mag. corr.....	-0.003		1903	s	"	20 P.	+0.06	+1.8
8 M.	[+0.02]	+0.4				Sept. 5 L.	[+0.04]	[+0.4] W.	21 Fk.	-0.02	+1.5 E.
9 P.	[+0.03]	+0.1	X Sagittarii			7 L.	....	[+0.6]	May 10 M.	-0.03	+0.8 W.
10 L.	[+0.07]	+0.8	$\alpha = 17^h 41^m$			10 L.	[+0.01]	[+0.4]	17 M.	+0.09	...
15 M.	[+0.05]	+0.4	$\delta = -27^\circ 47'$			12 L.	[+0.05]	[+1.2]	July 6 M.	+0.03	+1.0
16 P.	-0.03	-0.3	1904	s	"	1904			8 Fk.	+0.02	+0.9
20 P.	+0.01	+0.8	June 14 Ei.Y.	15.93	34.1 W.	Mar. 28 Br.	+0.04	+0.6	13 M.	-0.01	...
21 L.	+0.03	+0.2	23 Ei.Y.	15.96	32.7	Apr. 3 R.	+0.04	+0.6	20 M.	-0.01	+1.0
23 P.	0.00	+0.3	July 24 T.	.....	33.8 W.	4 Br.	+0.05	+0.6	27 P.	+0.01	+1.0
24 L.	+0.04	+0.7	1905			5 M.	+0.02	+0.9	Aug. 7 P.	+0.04	+1.0
27 P.	-0.03	+0.6	Apr. 13 Br.	15.99	32.3 E.	12 M.	+0.04	+0.3	9 Fk.	+0.07	+0.6
28 L.	+0.06	+0.5	19 Y.	15.94	33.3	13 R.	+0.05	+0.2	1909		
30 P.	+0.14	0.0	May 19 Ei.Y.	15.94	33.1 E.	14 Br.	+0.01	+0.4	Apr. 28 M.	+0.03	+0.6 W.
31 L.	0.00	+0.3	1906			17 R.	+0.05	+1.1	1910		
Apr. 6 P.	0.00	-0.1	Apr. 1 Bs.	15.99	32.6 W.	19 M.	+0.05	-0.2	July 8 L.	-0.03	+1.1 E.
9 M.	+0.02	+1.7	16 Ei.Y.	15.93	33.0	20 R.	+0.03	+0.6	11 L.	+0.03	+0.4
10 P.	0.00	+0.5 E.	May 4 Bs.	16.02	33.6 W.	21 Br.	+0.06	+1.1	Aug. 4 P.	-0.06	+0.6
Mean.....	+0.019	+0.55	1907			22 M.	+0.07	+0.5	1911		
Mag. corr.....	+0.001		Apr. 19 P.	15.94	32.5 E.	May 3 M.	+0.04	+0.7	Mar. 27 P.	-0.10	+0.9
	[-0.003][+0.08]		May 12 M.	16.04	33.9	8 R.	+0.07	+0.3	28 L.	+0.04	+0.4
			July 31 P.	16.04	33.7 E.	13 M.	+0.02	+1.1	30 P.	-0.01	+0.6
B. D. -16° 4603			1908			15 R.	0.00	+0.2	31 L.	+0.05	+0.7
$\alpha = 17^h 38^m$			July 15 Fk.	15.96	33.2 W.	16 Br.	+0.01	+0.8	Apr. 6 P.	+0.01	0.0
$\delta = -16^\circ 49'$			17 P.	15.93	33.2 W.	June 12 R.	....	+0.9	9 M.	+0.01	+0.4 E.
1904	s	"	Mean.....	15.970	33.21	15 R.	0.00	+1.0			
July 6 Ei.Y.	32.07	6.0 W.	Mag. corr.....	+0.004		30 R.	+0.02	+1.8	Mean.....	+0.019	+0.73
11 Ei.Y.	31.99	5.5 W.				July 1 Br.	-0.01	...	Mag. corr.....	-0.003	
1905						19 Br.	0.00	+1.5 W.	C. P. D. -30° 4919		
June 8 Ei.Y.	32.08	6.2 E.	B. D. -20° 4874			1905			$\alpha = 17^h 42^m$		
1906			$\alpha = 17^h 41^m$			Apr. 27 Br.	0.00	+1.1 E.	$\delta = -30^\circ 33'$		
June 22 Ei.Y.	32.02	6.0 W.	$\delta = -20^\circ 47'$			30 Y.	-0.01	+1.1	1904	s	"
Mean.....	32.040	5.92	1904	s	"	May 2 M.	+0.03	0.0	May 7 Ei.Y.	50.72	44.1 W.
Mag. corr.....	+0.008		Apr. 18 Ei.Y.	33.34	57.0 W.	7 Y.	+0.02	+0.6	27 Ei.Y.	50.73	43.9
			May 24 Ei.Y.	33.35	58.1 W.	8 Y.	+0.03	+0.6	1906		
B. D. -22° 4407			1905			12 Y.	+0.03	+0.6	July 5 Ei.Y.	50.69	43.6 W.
$\alpha = 17^h 39^m$			June 18 Ei.Y.	33.38	58.2 E.	20 M.	-0.01	+0.6	1907		
$\delta = -22^\circ 50'$			1906			21 Br.	+0.06	+0.7	July 25 Ei.M.	50.62	44.4 E.
1904	s	"	June 25 Ei.Y.	33.34	57.9 W.	23 Br.	-0.01	+0.6	Mean.....	50.690	44.00
May 7 Ei.Y.	1.19	42.7 W.	Mean.....	33.352	57.80	25 Br.	-0.02	+0.1	Mag. corr.....	+0.015	
27 Ei.Y.	1.16	42.0 W.	Mag. corr.....	+0.010		27 M.	-0.02	+0.9	γ Ophiuchi		
1905						June 2 M.	+0.02	+0.7 E.	$\alpha = 17^h 42^m$		
June 18 Ei.Y.	1.22	42.4 E.				Aug. 17 M.	0.00	-0.1 W.	$\delta = +2^\circ 44'$		
						18 Br.	+0.06	+0.6	1905	s	"
						1906			Mar. 30 Br.	52.72	41.3 E.
						Apr. 12 Br.	0.00	+0.2	Apr. 2 Y.	52.73	41.8 E.
						15 Bs.	+0.04	+0.8 W.			

1905 Apr. 7 M. 52.73 41.6 E. 9 Y. 52.69 40.8 20 Br. 52.67 41.0 23 Y. 52.79 41.6 24 Br. 52.70 41.8 May 18 Br. 52.69 41.6 E.	1908 Apr. 30 P. 52.77 41.4 W. May 23 P. 52.68 41.6 24 M. 52.69 41.3 25 P. 52.76 41.7 26 Fk. 52.76 40.9 W.	1909 July 15 M. 52.76 41.4 E. 17 L. 52.77 40.8 24 P. 52.70 40.9 27 P. 52.73 41.4 28 M. 52.70 40.7 29 P. 52.71 41.6 30 M. 52.74 41.2 E.	Mean..... 52.724 41.32 Mag. corr..... -0.005	C. P. D. -29° 4905 $\alpha = 17^h 43^m$ $\delta = -29^\circ 16'$	1904 May 4 Ei.Y. 5.85 50.9 W. 5 Ei.Y. 5.88 51.6 W.	1905 May 24 Ei.Y. 5.83 51.6 E.	1906 July 7 Ei.Y. 5.82 51.3 W.	Mean..... 5.845 51.35 Mag. corr..... +0.003	B. D. -19° 4711 $\alpha = 17^h 43^m$ $\delta = -19^\circ 58'$	1904 May 28 Ei.Y. 39.77 24.2 W. June 18 Ei.Y. 39.78 25.2 W.	1905 June 18 Ei.Y. 39.75 24.7 E.	1906 June 30 Ei.Y. 39.75 24.8 W.	Mean..... 39.762 24.72 Mag. corr..... +0.005	ψ^1 Draconis $\alpha = 17^h 43^m 42^s.958$ $\delta = +72^\circ 11' 50''.59$	1905 Aug. 21 M. -0.04 +1.0 W.	1907 Apr. 24 M. -0.10 0.0 E. July 20 M. +0.08 -0.3 29 M. -0.01 -0.5 Aug. 6 P. -0.04 +0.3 8 P. 0.00 +0.3 E.	1908 May 27 M. +0.08 -0.2 W. 28 P. +0.06 -0.2 July 1 M. -0.10 +0.3 16 M. +0.01 -0.8 W.	Mean..... -0.006 -0.01 Mag. corr..... +0.001	ψ^1 Draconis s. p. $\alpha = 17^h 43^m 42^s.957$ $\delta = +72^\circ 11' 50''.69$	1905 Jan. 20 Br. +0.03 -0.1 E. Feb. 14 Br. 0.00 +0.8 16 Y. -0.05 -0.3 17 Br. +0.07 +0.1	1908 Feb. 6 P. +0.03 -0.6 9 Hl. -0.06 +0.5 E. Oct. 14 P. +0.06 -1.1 W. 15 M. -0.03 -0.9 16 P. -0.07 -0.2 20 L. +0.10 0.0 Nov. 1 M. -0.07 -1.0 W.	Mean..... +0.001 -0.25 Mag. corr..... +0.001	ψ^2 Draconis $\alpha = 17^h 43^m$ $\delta = +72^\circ 12'$	1907 Apr. 24 M. 44.66 20.7 E. Mag. corr..... -0.01	C. P. D. -24° 5966 $\alpha = 17^h 43^m$ $\delta = -24^\circ 10'$	1904 Apr. 18 Ei.Y. 50.46 26.6 W. May 24 Ei.Y. 50.50 27.2	1906 June 25 Ei.Y. 50.52 27.2 W.	1907 July 16 Ei.M. 50.58 27.3 E.	Mean..... 50.515 27.08 Mag. corr..... +0.010	C. P. D. -26° 6002 $\alpha = 17^h 43^m$ $\delta = -26^\circ 46'$	1904 June 14 Ei.Y. 50.72 44.7 W. 23 Ei.Y. 50.76 43.8 W.	1905 June 1 Ei.Y. 50.75 44.2 E.	1906 Apr. 16 Ei.Y. 50.72 44.0 W.	Mean..... 50.738 44.18 Mag. corr..... -0.001	C. P. D. -27° 5802 $\alpha = 17^h 44^m$ $\delta = -27^\circ 1'$	1904 July 14 Ei.Y. 5.82 45.3 W. 16 Ei.Y. 5.80 46.0 W.	1905 May 19 Ei.Y. 5.75 45.0 E.	1906 June 29 Ei.Y. 5.76 45.8 W.	Mean..... 5.782 45.52 Mag. corr..... +0.014	B. D. -21° 4751 $\alpha = 17^h 44^m$ $\delta = -21^\circ 54'$	1904 July 6 Ei.Y. 38.08 1.7 W. 11 Ei.Y. 38.08 2.3 W.	Mean..... 38.08 2.3 W.	1905 June 8 Ei.Y. 38.04 2.2 E.	1906 June 22 Ei.Y. 38.07 1.7 W.	Mean..... 38.068 1.98 Mag. corr..... -0.012	87 Herculis $\alpha = 17^h 44^m$ $\delta = +25^\circ 39'$	1903 Sept. 11 R. [45.84] [21.6] W.	1905 Apr. 13 Br. 45.85 22.6 E. May 25 Br. 45.87 21.6 June 9 Hl. 45.91 21.8 E.	1906 Apr. 1 Bs. 45.86 21.7 W. May 4 Bs. 45.91 21.7 W.	1907 May 4 Hl. 45.90 21.9 E. 20 Hl. 45.86 21.0 July 21 Hl. 45.89 21.9 E.	1908 July 10 P. 45.89 21.8 W. 11 Fk. 45.82 21.5 15 Fk. 45.87 21.7 W.	Mean..... 45.875 21.75 Mag. corr..... -0.001	B. D. -22° 4436 $\alpha = 17^h 45^m$ $\delta = -22^\circ 53'$	1904 May 7 Ei.Y. 3.63 23.6 W. 27 Ei.Y. 3.62 23.7	1906 July 5 Ei.Y. 3.64 22.9 W.	1907 July 25 Ei.M. 3.52 24.2 E.	Mean..... 3.602 23.60 Mag. corr..... +0.010	C. P. D. -28° 5928 $\alpha = 17^h 45^m$ $\delta = -28^\circ 35'$	1904 May 4 Ei.Y. 32.64 40.3 W. 5 Ei.Y. 32.63 40.1 W.	1905 May 24 Ei.Y. 32.65 40.7 E.	1906 July 7 Ei.Y. 32.60 40.4 W.	Mean..... 32.630 40.38 Mag. corr..... -0.006	C. P. D. -25° 6128 $\alpha = 17^h 45^m$ $\delta = -25^\circ 44'$	1904 May 28 Ei.Y. 43.24 43.2 W. June 18 Ei.Y. 43.29 43.8 W.	1905 June 18 Ei.Y. 43.24 43.8 E.	1906 June 30 Ei.Y. 43.20 43.1 W.	Mean..... 43.242 43.48 Mag. corr..... +0.002	B. D. -21° 4760 $\alpha = 17^h 45^m$ $\delta = -21^\circ 1'$	1904 June 14 Ei.Y. 50.88 53.2 W. 23 Ei.Y. 50.80 52.6 W.	1905 June 1 Ei.Y. 50.89 53.6 E.	1906 Apr. 16 Ei.Y. 50.77 53.6 W.	Mean..... 50.835 53.25 Mag. corr..... -0.007	B. D. -19° 4725 $\alpha = 17^h 45^m$ $\delta = -19^\circ 29'$	1904 May 24 Ei.Y. 53.78 45.7 W. July 14 Ei.Y. 53.83 45.3	1906 June 25 Ei.Y. 53.79 45.6 W.	1907 July 16 Ei.M. 53.84 46.1 E.	Mean..... 53.810 45.68 Mag. corr..... +0.013	B. D. +39° 3238 $\alpha = 17^h 46^m$ $\delta = +39^\circ 38'$	1906 July 19 Bs. 23.72 W. 21 Bs. 23.65 26 Bs. 23.63 28 Bs. 23.63 W.	Mean..... 23.658 Mag. corr..... 0.000	B. D. -19° 4728 $\alpha = 17^h 46^m$ $\delta = -19^\circ 5'$	1904 July 6 Ei.Y. 25.78 41.9 W. 11 Ei.Y. 25.76 42.0 W.	1905 May 19 Ei.Y. 25.84 42.3 E.	1906 June 29 Ei.Y. 25.80 42.5 W.	Mean..... 25.795 42.18 Mag. corr..... +0.008	B. D. -16° 4639 $\alpha = 17^h 46^m$ $\delta = -16^\circ 56'$	1904 May 28 Ei.Y. 31.72 32.6 W. July
--	--	---	---	--	--	-----------------------------------	-----------------------------------	--	---	---	-------------------------------------	-------------------------------------	---	--	----------------------------------	---	--	---	--	---	---	---	---	--	--	--	-------------------------------------	-------------------------------------	---	--	---	------------------------------------	-------------------------------------	---	---	---	-----------------------------------	------------------------------------	--	---	--	------------------------	-----------------------------------	------------------------------------	--	---	---------------------------------------	--	---	---	---	---	---	--	-----------------------------------	------------------------------------	--	--	--	------------------------------------	------------------------------------	---	--	---	-------------------------------------	-------------------------------------	---	--	---	------------------------------------	-------------------------------------	---	---	--	-------------------------------------	-------------------------------------	---	---	---	---	--	--	------------------------------------	-------------------------------------	---	---	--

1906 July 5 Ei.Y. 17.87 32.6 W. 1907 July 25 Ei.M. 17.83 33.9 E. Mean..... 17.880 33.38 Mag. corr..... +0.014	1905 Apr. 2 Y. 49.49 15.1 E. 7 M. 49.39 14.1 9 Y. 49.44 14.8 20 Br. 49.36 14.5 E. Aug. 19 Hl. 49.40 14.3 W. 21 M. 49.48 14.1 1908 Apr. 30 P. 49.48 15.2 July 17 P. 49.42 14.2 W. Mean..... 49.436 14.47 Mag. corr..... +0.012	1906 June 22 Ei.Y. 23.03 57.4 W. Mean..... 23.048 56.80 Mag. corr..... -0.008 C. P. D. -23° 6680 $\alpha = 17^h 50^m$ $\delta = -23^\circ 22'$	1904 Aug. 12 Br. -0.07 +1.2 W. 15 Br. -0.09 +0.6 W. 1905 Apr. 30 Y. -0.06 ... E. Aug. 17 M. -0.02 +0.4 W. 18 Br. -0.05 +0.8 1906 Apr. 12 Br. -0.04 +0.8 May 4 Bs. 0.00 +1.1 W. 1907 May 4 Hl. -0.01 +0.5 E. 9 Hl. -0.05 +0.7 14 P. -0.02 +0.5 19 M. -0.12 ... 20 Hl. -0.03 +0.1 July 5 Hl. -0.09 +0.5 8 Hl. -0.04 +1.0 26 Hl. +0.03 +0.4 27 P. -0.06 +0.5 31 P. -0.03 0.0 Aug. 6 P. -0.05 +0.4 8 P. -0.06 +1.0 26 Hl. -0.10 +0.8 29 M. +0.02 ...	
z Herculis $\alpha = 17^h 47^m$ $\delta = +48^\circ 25'$	9 G. Sagittarii $\alpha = 17^h 50^m$ $\delta = -18^\circ 47'$	1904 May 7 Ei.Y. 24.50 25.6 W. 27 Ei.Y. 24.54 25.3 1906 July 5 Ei.Y. 24.46 24.4 W. 1907 July 25 Ei.M. 24.47 24.9 E. Mean..... 24.492 25.05 Mag. corr..... +0.001 C. P. D. -23° 6682 $\alpha = 17^h 51^m$ $\delta = -23^\circ 55'$	1908 Apr. 13 Fk. -0.02 +0.1 19 M. -0.06 ... E. May 28 P. -0.12 +0.4 W. June 1 P. -0.01 ... 2 Fk. -0.08 ... 5 Fk. -0.07 ... 7 M. -0.06 ... July 1 M. +0.02 ... 11 Fk. -0.03 ... 13 M. -0.01 ... Aug. 7 P. -0.03 ... 9 Fk. -0.02 +0.4	
1903 Sept. 10 L. [26.36] [15.9] W. 12 L. [26.39] [19.0] 14 L. [26.33] [16.0]	1904 Apr. 4 Br. 26.34 15.7 5 M. 26.38 16.2 12 M. 26.43 15.5 13 R. 26.32 15.9 14 Br. 26.27 15.9 17 R. 26.42 16.5 19 Br. 26.27 16.0 21 Br. 26.33 16.1 22 M. 26.36 15.7 May 1 R. 26.31 16.2 3 M. 26.34 15.7 13 M. 26.30 16.6 16 Br. 26.35 15.7 July 1 Br. 26.37 ... 24 T. 17.0 W. 1907 Apr. 21 M. 26.27 15.8 E. May 12 M. 26.35 16.3 14 P. 26.31 16.6 July 3 P. 26.33 17.0 27 P. 26.24 16.2 E. Mean..... 26.331 16.14 Mag. corr..... +0.013	1905 Apr. 13 Br. 2.05 3.0 E. 19 Y. 2.01 4.1 23 Y. 2.08 4.1 24 Br. 2.11 4.3 May 18 Br. 2.08 3.6 25 Br. 2.07 4.6 June 1 Ei.Y. 2.12 4.7 E. 1906 Apr. 15 Bs. 2.01 3.8 W. 16 Ei.Y. 2.04 4.0 27 Bs. 2.07 4.4 30 Br. 2.04 3.2 May 3 Br. 2.05 4.1 1908 May 10 M. 2.05 4.0 Aug. 20 P. 2.06 4.1 W. Mean..... 2.066 3.96 Mag. corr..... +0.016	1904 May 4 Ei.Y. 0.88 28.5 W. 5 Ei.Y. 0.84 28.5 W. 1905 May 24 Ei.Y. 0.82 29.1 E. 1906 July 7 Ei.Y. 0.78 29.0 W. Mean..... 0.830 28.78 Mag. corr..... +0.014 B. D. +38° 3032 $\alpha = 17^h 51^m$ $\delta = +38^\circ 28'$	1909 Apr. 2 L. -0.09 +0.8 4 M. -0.04 +0.1 9 L. 0.00 +0.3 10 P. -0.09 +1.5 11 M. -0.04 +0.9 15 P. -0.05 -0.1 16 L. -0.09 +0.5 18 M. -0.02 +0.2 23 L. -0.02 +0.4 26 P. -0.04 +1.2 28 M. +0.02 +1.0 W. July 29 P. -0.05 +0.8 E. 30 M. 0.00 +0.6 Aug. 2 L. -0.02 +0.7 4 L. -0.01 +0.8
B. D. -17° 4946 $\alpha = 17^h 48^m$ $\delta = -17^\circ 23'$	C. P. D. -26° 6092 $\alpha = 17^h 50^m$ $\delta = -26^\circ 45'$	1906 July 19 Bs. 9.62 ... W. 21 Bs. 9.61 ... 26 Bs. 9.65 ... 28 Bs. 9.66 ... W. Mean..... 9.635 ... Mag. corr..... -0.006 B. D. -20° 4922 $\alpha = 17^h 51^m$ $\delta = -20^\circ 11'$	1910 June 22 M. -0.05 +1.3 29 M. -0.04 +0.8 July 8 L. -0.08 +1.1 11 L. -0.05 +0.8 14 M. -0.07 +0.7 25 P. -0.02 0.0 29 P. -0.07 +0.6 Aug. 25 L. -0.10 ...	
1904 May 4 Ei.Y. 9.77 24.6 W. 5 Ei.Y. 9.74 24.8 W. 1905 May 24 Ei.Y. 9.77 25.1 E. 1906 July 7 Ei.Y. 9.76 25.5 W. Mean..... 9.760 25.00 Mag. corr..... -0.005	1904 June 14 Ei.Y. 9.84 17.2 W. 23 Ei.Y. 9.80 16.7 1906 June 25 Ei.Y. 9.78 17.3 W. 1907 July 16 Ei.M. 9.78 17.2 E. Mean..... 9.800 17.10 Mag. corr..... +0.008	1904 Apr. 18 Ei.Y. 17.45 1.6 W. May 24 Ei.Y. 17.42 1.8 W. 1905 June 18 Ei.Y. 17.44 2.0 E. 1906 Aug. 15 Ei.Y. 17.44 1.7 W. Mean..... 17.438 1.78 Mag. corr..... -0.014 89 Herculis $\alpha = 17^h 51^m 23^s.171$ $\delta = +26^\circ 3' 57''.00$	1911 Mar. 27 P. -0.11 +0.6 30 P. -0.08 +1.0 Apr. 6 P. -0.05 +0.9 9 M. -0.06 +0.8 E. Mean..... -0.044 +0.66 Mag. corr..... -0.002 [-0.026]	
C. P. D. -24° 6017 $\alpha = 17^h 48^m$ $\delta = -24^\circ 52'$	B. D. -21° 4779 $\alpha = 17^h 50^m$ $\delta = -21^\circ 56'$	1903 Sept. 5 L. [-0.01] [-0.1] W. 7 L. [-0.04] [+0.3] 10 L. [-0.01] [+0.3] 14 L. [-0.03] [(+2.8)] 25 R. [-0.04] [0.0]	ξ Draconis $\alpha = 17^h 51^m 48^s.112$ $\delta = +56^\circ 53' 18''.33$	
168 Hl. Herculis $\alpha = 17^h 48^m$ $\delta = +40^\circ 0'$	C. P. D. -28° 6043 $\alpha = 17^h 50^m$ $\delta = -28^\circ 2'$	1904 Mar. 28 Br. -0.01 +0.8 Apr. 3 R. -0.01 ... May 16 Br. -0.02 +0.8 July 30 M. -0.02 +0.6 Aug. 11 M. -0.02 +1.1 W.	1903 Sept. 11 R. [-0.21] [+0.2] W.	
1904 Apr. 18 Ei.Y. 44.72 1.2 W. May 24 Ei.Y. 44.70 1.3 W. 1905 June 18 Ei.Y. 44.78 2.1 E. 1906 June 30 Ei.Y. 44.72 1.3 W. Mean..... 44.730 1.48 Mag. corr..... +0.022	1904 July 6 Ei.Y. 20.13 18.5 W. 11 Ei.Y. 20.16 19.4 W. 1905 May 19 Ei.Y. 20.15 18.7 E. 1906 June 29 Ei.Y. 20.17 19.7 W. Mean..... 20.152 19.08 Mag. corr..... +0.016			

1904				1904				1909				1910			
Apr. 4 Br.	s	"		Apr. 18 Ei.Y.	s	"		Sept. 11 L.	s	"		June 6 P.	s	"	
5 M.	-0.15	-0.2 W.		May 1 R.	+0.02	+1.1 W.		13 L.	+0.06	+0.6 E.		7 L.	+0.06	+0.4 E.	
14 Br.	-0.09	+1.5		8 R.	+0.05	+1.4		14 P.	[+0.04]	[+0.6]		8 M.	+0.11	+0.6	
19 M.	-0.16	-0.4		11 Ei.Y.	+0.01	...		15 M.	[+0.07]	[+0.3]		13 M.	+0.10	+1.3	
20 R.	0.00	+0.1		12 Ei.Y.	+0.06	+0.5		17 M.	...	+0.6		19 M.	+0.01	+0.6	
21 Br.	-0.03	+0.5		13 M.	+0.06	+0.3		18 P.	[0.00]	+0.3		21 P.	+0.09	+0.5	
22 M.	-0.09	-0.2		24 Ei.Y.	+0.01	+1.3		21 P.	[+0.10]	-0.1		22 M.	+0.08	+0.8	
May 3 M.	-0.11	0.0		June 13 Ei.Y.	+0.09	+0.4		22 M.	...	-1.0		23 L.	+0.08	+1.1	
15 R.	-0.06	-0.2		14 Ei.Y.	+0.04	+0.9		23 P.	...	-0.1		25 L.	+0.07	0.0	
July 1 Br.	-0.07	+0.5		18 Ei.Y.	+0.05	+0.5		25 P.	...	-0.2		26 M.	+0.13	+1.1	
1907	-0.12	...	W.	23 Ei.Y.	+0.10	+0.5		28 P.	[+0.03]	0.0		29 M.	+0.10	+0.9	
Apr. 24 M.	-0.04	-0.1 E.		26 Br.	+0.04	+0.8		29 L.	-0.02	+0.1		30 L.	+0.08	+0.5	
25 Hl.	-0.09	0.0		27 Ei.Y.	+0.08	+0.8		30 P.	[+0.03]	+0.3		July 5 M.	+0.10	+0.9	
May 13 Hl.	-0.09	+0.3		1905				1 M.	+0.08	-0.2		8 L.	+0.10	+1.5	
July 3 P.	-0.07	-0.1		Apr. 2 Y.	+0.04	+0.1		2 L.	+0.04	+0.1		9 M.	+0.09	+1.4	
1908				7 M.	+0.08	+0.9 E.		4 M.	+0.05	+1.0		11 L.	+0.06	+0.6	
Apr. 16 Fk.	0.00	-1.7 E.		9 Y.	+0.08	+0.3		5 P.	0.00	+0.7		14 M.	+0.06	+1.3	
Mean.....	-0.076	0.00		13 Br.	+0.01	+0.5		6 L.	+0.02	-0.3		19 L.	+0.07	+0.4	
Mag. corr.....	-0.006			30 Y.	+0.04	+1.4		7 M.	[+0.04]	+0.1		20 M.	+0.06	+0.9	
C. P. D. -28° 6083				May 21 Br.	+0.02	+1.6		8 P.	-0.04	-0.2		21 P.	+0.04	+1.5	
$\alpha = 17^h 52^m$				June 9 Hl.	+0.02	+2.0		9 L.	-0.11	-0.1		22 M.	+0.04	+1.0	
$\delta = -28^\circ 44'$				1906				12 P.	0.00	+0.3		26 M.	+0.05	+0.6	
1904				Apr. 16 Ei.Y.	+0.06	+0.4		13 L.	+0.06	-0.4		28 M.	+0.02	+1.3	
June 14 Ei.Y.	18.40	52.6 W.		11 Ei.Y.	+0.04	+0.8 W.		15 P.	[+0.02]	+0.6		29 P.	+0.10	+0.8	
18 Ei.Y.	18.40	52.4 W.		June 30 Ei.Y.	+0.13	+0.7		19 P.	-0.3	-0.3		30 M.	+0.08	+0.3	
1905				Aug. 15 Ei.Y.	+0.08	+0.8		20 M.	[0.00]	0.0		Aug. 1 P.	+0.11	+1.0	
June 1 Ei.Y.	18.30	53.1 E.		23 Ei.Y.	+0.07	+0.4		21 P.	-0.3	-0.3		3 M.	+0.07	+0.3	
1906				30 Ei.Y.	+0.02	+0.8		22 M.	[+0.02]	-0.5		5 M.	+0.10	+1.1	
June 29 Ei.Y.	18.45	52.0 W.		31 Ei.Y.	0.00	+1.0		25 M.	-0.01	-0.1		6 L.	+0.12	+1.7	
Mean.....	18.388	52.52		1907				26 P.	+0.05	-0.1		9 L.	+0.05	+0.9	
Mag. corr.....	-0.010			May 19 M.	+0.02	+0.5		28 M.	+0.02	-0.5		10 P.	+0.04	+0.6	
θ Herculis				July 8 Hl.	+0.08	...	E.	29 P.	+0.01	+0.5		11 L.	+0.08	+0.4	
$\alpha = 17^h 52^m 49^s.415$				23 Hl.	+0.12	+0.9		30 L.	+0.02	-0.1		13 L.	+0.06	+0.4	
$\delta = +37^\circ 15' 49''.11$				1908				Nov. 1 M.	+0.02	+0.7		16 P.	+0.07	+1.1	
1907				July 11 Fk.	+0.03	+0.5 W.		2 P.	[+0.01]	-0.8		18 P.	+0.06	+0.9	
Apr. 19 P.	-0.07	0.0 E.		13 M.	+0.02	+0.4		5 L.	-1.3	-1.3		19 L.	+0.06	+0.2	
July 20 M.	+0.07	-0.4		28 Fk.	+0.05	+0.4		1910				20 P.	+0.01	+1.0	
29 M.	+0.04	+0.5		29 P.	+0.02	+0.6		Feb. 18 L.	+0.10	+1.3		22 P.	+0.07	+0.5	
Aug. 20 P.	-0.02	+0.6		30 Fk.	+0.01	+0.7		24 P.	[+0.10]	+1.3		23 L.	+0.12	+0.3	
22 P.	+0.04	+0.2 E.		Aug. 1 Fk.	0.00	+0.2		25 L.	[+0.04]	+0.4		24 P.	+0.07	+0.3	
1908				3 P.	+0.06	+0.1		Mar. 3 P.	+0.02	+0.5		25 L.	+0.10	-0.2	
July 6 M.	-0.06	0.0 W.		4 Fk.	+0.07	...		4 L.	+0.03	-1.4		27 L.	+0.07	-0.2	
8 Fk.	-0.03	+0.4		11 Fk.	+0.06	+1.0		13 M.	+0.07	+0.5		30 L.	+0.09	+0.7	
10 P.	+0.01	-0.4		29 M.	+0.09	+1.0		14 L.	-0.02	+1.3		Sept. 6 P.	+0.06	+0.8	
15 Fk.	+0.01	+0.2		1909				15 M.	+0.03	+1.2		7 M.	+0.05	+1.3	
27 P.	+0.09	+0.1 W.		Apr. 9 L.	+0.07	+0.3		17 P.	+0.07	+0.3		8 P.	+0.12	+0.4	
Mean.....	+0.008	+0.12		15 P.	+0.00	+0.4		18 M.	0.00	+0.3		10 P.	+0.06	-0.4	
Mag. corr.....	-0.006			16 L.	+0.04	+0.7		20 M.	+0.04	+0.9		12 P.	+0.10	-0.2	
B. D. -22° 4474				18 M.	+0.04	0.0		21 P.	+0.04	-1.4		15 M.	+0.05	-0.2	
$\alpha = 17^h 52^m$				23 L.	+0.04	+0.5		24 P.	[-0.03]	+0.2		16 P.	+0.09	+0.8	
$\delta = -22^\circ 30'$				26 P.	+0.04	+0.4		28 P.	+0.01	-0.3		17 L.	+0.01	+0.2	
1904				28 M.	+0.03	+0.6 W.		Apr. 5 L.	+0.06	+0.2		20 L.	+0.06	+0.6	
May 28 Ei.Y.	54.51	26.6 W.		July 15 M.	+0.09	+0.6 E.		7 P.	+0.05	+0.2		22 L.	+0.08	0.0	
July 14 Ei.Y.	54.47	26.7		17 L.	+0.04	+0.4		8 L.	+0.07	+0.7		26 M.	[-0.02]	0.0	
1906				24 P.	+0.07	+0.4		10 M.	...	+0.8		27 P.	+0.07	+0.2	
June 25 Ei.Y.	54.48	26.2 W.		27 P.	+0.02	-0.2		12 L.	+0.07	+1.4		28 L.	+0.07	+1.1	
1907				28 M.	+0.05	+0.5		13 M.	+0.07	+1.4		Oct. 1 L.	+0.02	-0.2	
July 16 Ei.M.	54.46	26.7 E.		29 P.	0.00	-0.3		14 P.	+0.08	+0.9		4 P.	+0.06	-0.6	
Mean.....	54.480	26.55		30 M.	0.00	+0.9		15 L.	+0.06	+0.1		5 L.	...	0.0	
Mag. corr.....	+0.013			Aug. 2 L.	+0.06	+1.2		19 L.	+0.09	+1.0		6 M.	...	-0.3	
ν Ophiuchi				4 L.	+0.04	+0.9		22 L.	+0.06	+0.6		10 M.	[-0.00]	+0.3	
$\alpha = 17^h 53^m 31^s.259$				6 L.	+0.05	+0.6		26 L.	+0.03	+0.6		11 P.	+0.04	+0.1	
$\delta = -9^\circ 45' 42''.05$				7 P.	+0.04	+0.5		27 M.	+0.02	+1.0		12 L.	+0.07	+0.6	
1904				9 L.	+0.04	+0.5		28 P.	+0.07	+0.3		13 M.	+0.04	+0.1	
Apr. 3 R.	+0.02	+1.5 W.		10 P.	+0.10	+0.3		30 P.	+0.04	+0.3		14 P.	+0.05	-0.6	
13 R.	+0.08	+0.4		16 P.	+0.07	-0.2		May 4 M.	+0.14	+0.7		15 M.	+0.05	-0.5	
17 R.	+0.05	+0.7 W.		19 L.	+0.04	0.0		5 P.	-0.01	+0.8		17 M.	+0.02	+0.1	
				21 L.	+0.04	-0.1		6 L.	+0.08	+0.4		18 P.	+0.06	-0.5	
				23 L.	+0.08	+0.7		9 P.	+0.06	+0.7		22 L.	+0.04	-0.6	
				24 P.	+0.03	+0.5		12 P.	+0.10	+0.8		24 M.	+0.02	-0.2	
				25 L.	+0.01	+0.6		15 M.	+0.08	+0.8		26 L.	+0.03	+0.4	
				27 L.	+0.05	+0.6		16 P.	+0.09	+0.8		28 P.	+0.02	-0.5	
				30 M.	+0.03	+1.1		18 M.	+0.08	+0.1		29 L.	+0.02	-0.8	
				31 P.	+0.08	+0.7		19 P.	+0.05	+1.3		31 M.	[-0.05]	-0.8	
				Sept. 1 L.	+0.05	0.0		23 M.	+0.13	+0.5		Nov. 8 P.	+0.06	+0.7	
				2 M.	+0.07	+0.2		26 P.	+0.04	+0.8		1911			
				7 P.	+0.06	+0.8		27 L.	+0.04	+0.4		Feb. 9 P.	[+0.05]	[-0.4]	
				8 L.	+0.01	+0.6 E.		June 3 L.	+0.05	+0.7		18 P.	[+0.02]	[-0.2] E.	

1911			1908			1906			B. D. -19° 4800		
Feb. 20 P.	[+0.01]	[+0.5] E.	May 10 M.	52.77	30.6 W.	June 25 Ei.Y.	3.76	33.0 W.	$\alpha = 17^h 55^m$		
22 M.	[-0.02]	[+1.0]	June 2 Fk.	52.72	30.7	Mean.....	3.725	33.55	$\delta = -19^\circ 6'$		
Mar. 2 P.	[+0.10]	[+0.2]	5 Fk.	52.77	30.7	Mag. corr.....	+0.015				
6 P.	[+0.02]	[+0.3]	7 M.	52.83	30.7						
8 M.	[+0.12]	[+0.7]	July 1 M.	52.81	30.8 W.						
10 L.	[+0.16]	[+1.0]	Mean.....	52.789	31.07						
15 M.	[+0.16]	[+0.6]	Mag. corr.....	-0.007							
16 P.	[+0.03]	[+0.2]									
20 P.	[+0.03]	[+0.5]									
21 L.	[+0.06]	[+0.2]									
23 P.	[+0.01]	[+0.3]									
24 L.	[+0.09]	[+1.7]									
27 P.	[-0.02]	[+0.2]									
28 L.	[+0.13]	[+0.8]									
30 P.	[+0.06]	[+0.4]									
31 L.	[+0.07]	[+0.9]									
Apr. 9 M.	[+0.04]	[+0.5]									
10 P.	[+0.03]	[+0.9] E.									
Mean.....	+0.059	+0.65									
Mag. corr.....	-0.003										
	[+0.030]	[+0.18]									
C. P. D. -23° 6707			35 Draconis			γ Draconis			1904		
$\alpha = 17^h 53^m$			$\alpha = 17^h 53^m 55^s.631$			$\alpha = 17^h 54^m 17^s.043$			June 13 Ei.Y.	58.62	12.1 W.
$\delta = -23^\circ 48'$			$\delta = +76^\circ 58' 35''.99$			$\delta = +51^\circ 30' 1''.78$			14 Ei.Y.	58.62	12.3 W.
									1905		
									May 19 Ei.Y.	58.66	12.6 E.
									1906		
									June 29 Ei.Y.	58.63	12.6 W.
									Mean.....	58.632	12.40
									Mag. corr.....	+0.008	
									C. P. D. -27° 6011		
									$\alpha = 17^h 56^m$		
									$\delta = -27^\circ 49'$		
									1904		
									July 14 Ei.Y.	36.36	33.2 W.
									16 Ei.Y.	36.39	33.2 W.
									1905		
									June 8 Ei.Y.	36.35	33.4 E.
									1906		
									June 22 Ei.Y.	36.38	34.1 W.
									Mean.....	36.370	33.48
									Mag. corr.....	+0.015	
									B. D. -17° 4987		
									$\alpha = 17^h 55^m$		
									$\delta = -17^\circ 9'$		
									1904		
									June 8 Ei.Y.	34.48	7.9 W.
									18 Ei.Y.	34.57	10.8 W.
									1905		
									June 1 Ei.Y.	34.50	10.4 E.
									1906		
									Aug. 15 Ei.Y.	34.54	10.3 W.
									Mean.....	34.522	9.85
									Mag. corr.....	+0.020	
									67 Ophiuchi		
									$\alpha = 17^h 55^m 38^s.225$		
									$\delta = +2^\circ 56' 10''.66$		
									1903		
									Sept. 7 L.	0.00	+0.1 W.
									10 L.	+0.02	0.0
									12 L.	[+0.01]	[+0.9]
									14 L.	[-0.02]	[0.0]
									16 L.	[-0.01]	[+0.3]
									25 R.	[-0.04]	[+1.0]
									1904		
									June 15 R.	0.00	+0.2 W.
									1907		
									May 4 Hl.	-0.03	+1.6 E.
									9 Hl.	-0.09	+0.4
									20 Hl.	+0.01	+0.2 E.
									Mean.....	-0.015	+0.42
									Mag. corr.....	0.000	
									B. D. -22° 4503		
									$\alpha = 17^h 55^m$		
									$\delta = -22^\circ 46'$		
									1904		
									Apr. 18 Ei.Y.	50.94	38.0 W.
									24 Ei.Y.	50.90	38.6
									1906		
									June 30 Ei.Y.	50.91	39.3 W.
									1907		
									July 16 Ei.M.	50.91	38.6 E.
									Mean.....	50.915	38.62
									Mag. corr.....	-0.007	
									C. P. D. -24° 6084		
									$\alpha = 17^h 54^m$		
									$\delta = -24^\circ 16'$		
									1904		
									May 28 Ei.Y.	3.71	33.3 W.
									July 18 Ei.Y.	3.70	34.1 W.
									1905		
									June 18 Ei.Y.	3.73	33.8 E.
									C. P. D. -24° 6126		
									$\alpha = 17^h 56^m$		
									$\delta = -24^\circ 16'$		
									1904		
									May 28 Ei.Y.	43.43	52.8 W.
									June 23 Ei.Y.	43.41	52.6 W.

1905 June 18 Ei.Y. 43.47 53.2 E. 1906 June 25 Ei.Y. 43.45 52.8 W. Mean..... 43.440 52.85 Mag. corr..... -0.005 B. D. -17° 4997 $\alpha = 17^h 56^m$ $\delta = -17^\circ 31'$ 1904 June 8 Ei.Y. 52.75 18.7 W. July 18 Ei.Y. 52.74 18.8 W. 1905 June 1 Ei.Y. 52.77 18.7 E. 1906 Aug. 15 Ei.Y. 52.76 17.9 W. Mean..... 52.755 18.52 Mag. corr..... 0.000 C. P. D. -26° 6182 $\alpha = 17^h 57^m$ $\delta = -26^\circ 19'$ 1904 Apr. 18 Ei.Y. 10.28 11.0 W. June 18 Ei.Y. 10.36 11.8 1906 June 30 Ei.Y. 10.29 11.5 W. 1907 July 16 Ei.M. 10.29 11.8 E. Mean..... 10.305 11.52 Mag. corr..... +0.010 B. D. -17° 5001 $\alpha = 17^h 57^m$ $\delta = -17^\circ 36'$ 1904 June 13 Ei.Y. 32.08 38.8 W. 14 Ei.Y. 32.06 39.2 W. 1905 May 19 Ei.Y. 32.06 39.3 E. 1906 June 29 Ei.Y. 32.04 39.4 W. Mean..... 32.060 39.18 Mag. corr..... +0.010 τ Ophiuchi (mean) $\alpha = 17^h 57^m$ $\delta = -8^\circ 10'$ 1904 July 1 Br. 38.18 W. Aug. 12 Br. 38.16 48.1 15 Br. 38.15 48.8 W. 1907 May 12 M. 38.17 48.6 E. 14 P. 38.22 48.8 Aug. 13 P. 38.18 49.2 29 M. 38.20 48.4 30 Hl. 38.23 48.8 E. 1908 May 25 P. 38.28 49.0 W. July 17 P. 38.24 49.3 W. Mean..... 38.201 48.78 Mag. corr..... +0.001 τ Ophiuchi (fol.) $\alpha = 17^h 57^m$ $\delta = -8^\circ 10'$ 1904 Apr. 20 R. 38.31 48.9 W.	1907 Aug. 22 P. 38.35 48.8 E. Mean..... 38.330 48.85 Mag. corr..... 0.000 C. P. D. -24° 6144 $\alpha = 17^h 57^m$ $\delta = -24^\circ 21'$ 1904 July 6 Ei.Y. 44.50 44.1 W. 11 Ei.Y. 44.55 43.9 W. 1905 June 8 Ei.Y. 44.58 45.5 E. 1906 June 22 Ei.Y. 44.59 45.2 W. Mean..... 44.555 44.68 Mag. corr..... -0.009 B. D. -22° 4533 $\alpha = 17^h 57^m$ $\delta = -22^\circ 50'$ 1904 May 7 Ei.Y. 52.20 21.6 W. 27 Ei.Y. 52.23 21.5 1906 July 5 Ei.Y. 52.27 21.0 W. 1907 July 25 Ei.M. 52.21 21.6 E. Mean..... 52.228 21.42 Mag. corr..... +0.013 C. P. D. -29° 5230 $\alpha = 17^h 58^m$ $\delta = -29^\circ 35'$ 1904 May 4 Ei.Y. 37.99 3.2 W. 5 Ei.Y. 37.90 3.8 W. 1905 May 24 Ei.Y. 37.98 4.0 E. 1906 July 7 Ei.Y. 37.94 3.1 W. Mean..... 37.952 3.52 Mag. corr..... +0.005 C. P. D. -24° 6201 $\alpha = 17^h 59^m$ $\delta = -24^\circ 24'$ 1904 June 23 Ei.Y. 2.50 11.9 W. July 14 Ei.Y. 2.55 12.2 W. 1905 June 18 Ei.Y. 2.57 13.1 E. 1906 June 25 Ei.Y. 2.56 12.6 W. Mean..... 2.545 12.45 Mag. corr..... +0.014 γ Sagittarii $\alpha = 17^h 59^m 22^s.960$ $\delta = -30^\circ 25' 32''.59$ 1904 Apr. 13 R. +0.08 +0.2 W. 21 Br. +0.13 0.0 May 1 R. +0.02 +1.3 2 Br. +0.09 +1.1 28 Ei.Y. +0.05 +1.4 June 18 Ei.Y. +0.13 +0.3 July 26 Br. +0.09 +1.1 W. 1905 June 1 Ei.Y. +0.03 (+5.4) E.	1906 June 11 Ei.Y. +0.08 +0.7 W. 1907 Apr. 24 M. +0.14 -0.6 E. May 13 Hl. +0.17 +0.2 July 21 Hl. +0.20 +0.6 27 P. +0.11 +0.1 Aug. 31 M. +0.15 +1.0 1909 July 1 M. +0.9 Aug. 25 L. +0.10 +1.2 26 P. +0.05 +0.8 Sept. 21 P. [+0.2] 1910 Mar. 31 P. [+1.2] May 26 P. +0.12 +2.0 June 21 P. +0.16 +1.5 22 M. +0.16 +0.7 July 20 M. +0.22 +1.2 21 P. +0.11 +0.8 Aug. 16 P. +0.16 +2.3 E. Mean..... +0.116 +0.85 Mag. corr..... 0.000 70 Ophiuchi (brighter) $\alpha = 18^h 0^m 24^s.146$ $\delta = +2^\circ 31' 14''.10$ 1903 Sept. 11 R. +0.04 +2.1 W. 1905 Aug. 21 M. +0.09 +2.0 1906 Apr. 27 Bs. +0.07 +2.1 30 Br. +0.08 +2.9 May 4 Bs. (+0.23) +1.5 W. 1907 Apr. 21 M. +0.04 +2.9 E. May 9 Hl. +0.15 +2.1 1908 Apr. 13 Fk. +0.05 +2.5 16 Fk. +0.04 +2.3 19 M. +0.05 +3.1 E. Mean..... +0.068 +2.35 Mag. corr..... +0.007 B. D. -18° 4789 $\alpha = 18^h 0^m$ $\delta = -18^\circ 59'$ 1904 Apr. 18 Ei.Y. 49.41 34.7 W. May 24 Ei.Y. 49.45 35.1 1906 Aug. 15 Ei.Y. 49.47 34.8 W. 1907 July 16 Ei.M. 49.40 35.4 E. Mean..... 49.432 35.00 Mag. corr..... +0.002 B. D. -21° 4855 $\alpha = 18^h 1^m$ $\delta = -21^\circ 27'$ 1904 June 13 Ei.Y. 11.51 14.0 W. 14 Ei.Y. 11.51 14.2 W. 1905 May 19 Ei.Y. 11.50 E. June 18 Ei.Y. 11.50 14.7 E. 1906 June 29 Ei.Y. 11.49 14.0 W. Mean..... 11.502 14.22 Mag. corr..... +0.021	C. P. D. -23° 6857 $\alpha = 18^h 1^m$ $\delta = -23^\circ 6'$ 1904 July 6 Ei.Y. 41.01 57.3 W. 11 Ei.Y. 41.04 57.8 W. 1905 June 8 Ei.Y. 41.06 59.0 E. 1906 June 22 Ei.Y. 41.06 58.4 W. Mean..... 41.042 58.12 Mag. corr..... -0.003 C. P. D. -28° 6304 $\alpha = 18^h 1^m$ $\delta = -28^\circ 28'$ 1904 May 7 Ei.Y. 44.96 4.9 W. 27 Ei.Y. 44.90 4.4 1906 July 5 Ei.Y. 45.02 4.3 W. 1907 July 25 Ei.M. 44.97 5.0 E. Mean..... 44.962 4.65 Mag. corr..... +0.005 B. D. -17° 5028 $\alpha = 18^h 2^m$ $\delta = -17^\circ 10'$ 1904 May 4 Ei.Y. 0.42 2.4 W. 5 Ei.Y. 0.42 3.2 W. 1905 May 24 Ei.Y. 0.45 3.0 E. 1906 July 7 Ei.Y. 0.43 2.8 W. Mean..... 0.430 2.85 Mag. corr..... -0.007 C. P. D. -27° 6176 $\alpha = 18^h 2^m$ $\delta = -27^\circ 47'$ 1904 May 28 Ei.Y. 36.35 -51.1 W. July 14 Ei.Y. 36.30 51.8 W. 1905 June 18 Ei.Y. 36.30 52.1 E. 1906 June 11 Ei.Y. 36.30 51.5 W. Mean..... 36.312 51.62 Mag. corr..... +0.007 72 Ophiuchi $\alpha = 18^h 2^m 36^s.475$ $\delta = +9^\circ 32' 59''.20$ 1903 Sept. 10 L. +0.06 -0.4 W. 12 L. +0.09 +0.5 16 L. [+0.01] [-0.2] 1904 Apr. 4 Br. +0.03 +0.8 May 16 Br. +0.05 +0.7 June 15 R. +0.02 +0.4 July 18 Ei.Y. +0.05 -0.1 W. 1905 Apr. 20 Br. +0.04 +0.3 E. 23 Y. +0.03 +0.8 24 Br. +0.05 +0.9 May 18 Br. +0.05 +0.3 E. 1906 Apr. 12 Br. +0.03 +0.3 W.
--	--	---	---

1906			1907			1909			1906		
Apr. 27 Bs.	+0.04	+1.2 W.	July 16 Ei.M.	45.34	3.1 E.	Aug. 21 L.	+0.06	+0.3 E.	Sept. 18 P.	[-0.20]	[+0.2] W.
June 25 Ei.Y.	+0.02	+0.6				23 L.	+0.02	+0.6	19 Hl.	[-0.21]	[+0.1]
Aug. 30 Ei.Y.	+0.02	-0.1 W.	Mean.....	45.348	2.92				21 Hl.	[+0.20]	[+0.1]
1907			Mag. corr.....	-0.002		1910			24 Hl.	[-0.66]	[-0.2] W.
May 12 M.	+0.04	+0.7 E.	C. P. D. -26° 6300			June 22 M.	+0.03	+1.0	1907		
July 5 Hl.	0.00	+0.5	$\alpha = 18^h 3^m$			23 L.	+0.04	+0.3	Apr. 19 P.	+0.27	-0.1 E.
21 Hl.	+0.04	+0.4	$\delta = -26^\circ 7'$			24 M.	+0.02	+0.6	25 Hl.	-0.06	+0.9
Aug. 7 Hl.	+0.03	+0.2	1904			29 M.	-0.01	+0.4	July 3 P.	-0.14	+0.4
29 M.	+0.08	+0.7 E.	June 13 Ei.Y.	2.40	20.4 W.	9 M.	-0.01	+0.8	8 Hl.	+0.28	+0.9
1908			14 Ei.Y.	2.38	21.2 W.	11 L.	+0.03	+0.9	14 Hl.	+0.01	...
May 24 M.	+0.03	+0.2 W.	1905			14 M.	+0.01	+0.9	20 M.	-0.11	+0.2
July 1 M.	+0.04	...	May 24 Ei.Y.	2.39	21.5 E.	20 M.	+0.02	+0.9	23 Hl.	+0.45	0.0
11 Fk.	+0.01	+0.2	1906			25 P.	0.00	-0.5	26 Hl.	+0.26	-0.2
Aug. 7 P.	+0.03	+0.8	June 29 Ei.Y.	2.44	21.7 W.	26 M.	-0.01	+0.7	31 P.	-0.23	-0.2
Sept. 4 M.	+0.02	...	Mean.....	2.402	21.20	28 M.	+0.04	+0.8	Aug. 6 P.	-0.34	+0.4
1909			Mag. corr.....	+0.006		29 P.	-0.02	+0.8	8 P.	+0.12	+0.6
Apr. 9 L.	+0.04	+1.1	C. P. D. -24° 6255			30 M.	+0.03	+0.7 E.	12 Hl.	+1.01	+0.2
23 L.	0.00	+0.5 W.	$\alpha = 18^h 3^m$			Mean.....	+0.025	+0.65	15 P.	+0.30	0.0
July 27 P.	+0.02	+0.7 E.	$\delta = -24^\circ 43'$			Mag. corr.....	-0.005		20 P.	+0.24	+0.2 E.
28 M.	+0.04	-0.2	1904			102 Herculis			1908		
30 M.	+0.06	+0.3	July 6 Ei.Y.	32.68	50.1 W.	$\alpha = 18^h 4^m$			Apr. 30 P.	+0.14	-0.5 W.
Aug. 2 L.	+0.04	+1.2	11 Ei.Y.	32.67	50.5 W.	$\delta = +20^\circ 47'$			May 1 Fk.	-0.55	...
25 L.	+0.06	+0.1	1905			1904	s	"	10 M.	-1.02	+0.5
27 L.	+0.02	-0.2	June 8 Ei.Y.	32.65	51.4 E.	July 26 Br.	28.93	55.6 W.	17 M.	+0.16	+0.6
Sept. 1 L.	+0.04	-0.2	1906			1906	s	"	23 P.	+0.06	+0.3
1910			June 22 Ei.Y.	32.68	51.2 W.	Apr. 27 Bs.	28.85	55.8	26 Fk.	+0.28	-0.4
May 5 P.	+0.03	+0.9	Mean.....	32.670	50.80	30 Br.	28.90	55.3 W.	28 P.	+0.26	+0.2
9 P.	+0.12	+0.6	Mag. corr.....	-0.008		1907			June 1 P.	-0.12	+1.0
19 P.	+0.03	0.0	o Herculis			Apr. 24 M.	28.92	55.1 E.	7 M.	-0.37	+0.5
23 M.	+0.07	-0.2	$\alpha = 18^h 3^m 38.490$			1908			11 P.	+0.49	-0.5
26 P.	+0.06	+1.1	$\delta = +28^\circ 44' 55''.03$			Apr. 13 Fk.	28.91	55.8	13 P.	-0.01	-0.1
14 M.	+0.08	+0.4	1904			16 Fk.	28.92	55.1	16 Fk.	+0.15	0.0
30 M.	+0.01	+0.5	Apr. 13 R.	+0.05	...	19 M.	28.91	55.7	20 P.	-0.14	+0.5
Aug. 1 P.	+0.04	+0.1	21 Br.	0.00	+1.1	21 Fk.	28.85	55.5 E.	July 10 P.	0.00	+0.1
5 M.	+0.07	+0.9	June 3 Br.	+0.02	+0.4	Aug. 9 Fk.	28.92	55.3 W.	13 M.	-0.39	...
6 L.	+0.01	+0.1	July 1 Br.	+0.04	...	20 P.	28.86	55.4 W.	27 P.	+0.41	+0.7
9 L.	+0.02	+0.2	Aug. 12 Br.	-0.05	+1.3	Mean.....	28.897	55.46	29 P.	+0.07	+0.8
11 L.	+0.06	+0.3	15 Br.	+0.01	+0.5	Mag. corr.....	+0.008		Aug. 11 Fk.	-0.43	+0.2
13 L.	+0.06	+0.5	1905			o Ursae Minoris			15 Fk.	+0.71	-0.1
18 P.	+0.04	0.0	Aug. 21 M.	+0.06	+0.2	$\alpha = 18^h 4^m 32.878$			19 Fk.	+0.50	-0.2
19 L.	+0.02	+0.4	22 Br.	+0.05	+0.7	$\delta = +86^\circ 36' 48''.11$			29 M.	-0.03	0.0
20 P.	+0.02	0.0	1906			1903			Sept. 3 M.	+0.20	+0.1
22 P.	+0.06	-0.1	June 25 Ei.Y.	+0.06	+0.6 W.	Sept. 7 L.	-0.59	-0.4 W.	21 M.	[+0.29]	[0.0]
23 L.	+0.01	-0.1	1907			14 L.	+0.12	0.0	22 P.	[+0.13]	[0.0]
24 P.	+0.08	+0.1	Apr. 21 M.	-0.01	+0.7 E.	19 L.	[-0.18]	[-0.2]	23 L.	[-0.39]	[-0.4]
25 L.	+0.08	+0.2	May 4 Hl.	+0.02	+0.6	22 L.	[+0.62]	[-0.2]	26 L.	[+0.26]	[-0.3]
27 L.	+0.02	+0.2	14 P.	-0.05	+0.6	25 R.	[-0.93]	[+0.1]	30 L.	+0.43	-0.2
1911			20 Hl.	+0.02	+0.6	28 L.	[+0.26]	[-0.9]	31 M.	-0.16	-0.2
Apr. 6 P.	+0.12	+1.0 E.	July 27 P.	+0.02	+1.1 E.	30 L.	[+0.07]	[+0.2]	Apr. 2 L.	-0.31	+0.1
Mean.....	+0.042	+0.38	1908			1904			4 M.	-0.31	+0.5
Mag. corr.....	-0.004		May 25 P.	+0.10	+0.8 W.	Apr. 14 Br.	-0.07	+0.2	10 P.	-0.03	+0.1
B. D. -21° 4866			July 1 M.	0.00	+0.7	17 R.	+0.88	+0.1	11 M.	-0.81	+0.1
$\alpha = 18^h 2^m$			28 Fk.	+0.02	+0.4	19 M.	-0.01	-0.8	15 P.	+0.19	-0.2
$\delta = -21^\circ 27'$			30 Fk.	-0.03	+0.8	22 M.	-0.11	+0.1	16 L.	+0.24	+0.2
1904			Aug. 1 Fk.	+0.07	+0.5	May 3 M.	+0.05	+0.2	18 M.	-0.69	+0.6
June 8 Ei.Y.	38.73	47.3 W.	3 P.	+0.08	+1.0	11 R.	+0.30	+0.2	26 P.	+0.02	+0.2
July 16 Ei.Y.	38.79	45.5 W.	4 Fk.	+0.03	...	15 R.	+0.39	+0.7	28 M.	-0.11	+0.4 W.
1905			10 P.	+0.03	+1.0	June 12 R.	+0.03	+0.4	July 2 P.	+0.32	-0.1 E.
June 1 Ei.Y.	38.74	48.0 E.	18 P.	+0.07	+0.5	24 M.	-0.25	+0.6	14 L.	+0.01	-0.2
1906			31 M.	+0.07	+1.1	July 30 M.	-0.06	+0.2	15 M.	+0.51	+0.6
Aug. 23 Ei.Y.	38.68	47.1 W.	Sept. 4 M.	+0.06	...	Aug. 11 M.	+0.31	+0.8 W.	17 L.	-0.04	-0.5
Mean.....	38.735	46.98	1909			1905			24 P.	-0.47	+0.2
Mag. corr.....	+0.016		Apr. 23 L.	+0.04	+0.7 W.	May 21 Br.	-0.18	-0.3 E.	Aug. 4 L.	+0.26	0.0
B. D. -20° 5003			July 17 L.	+0.05	+0.4 E.	June 9 Hl.	....	+0.8 E.	6 L.	+0.03	...
$\alpha = 18^h 2^m$			27 P.	-0.04	+0.5	1906			7 P.	-0.23	-0.4
$\delta = -20^\circ 6'$			28 M.	+0.04	+0.2	Apr. 15 Bs.	-0.07	-0.4 W.	9 L.	+0.20	0.0 E.
1904			30 M.	+0.03	+0.4	May 3 Br.	-0.19	-0.3			
Apr. 18 Ei.Y.	45.36	2.8 W.	Aug. 2 L.	+0.04	+1.2	July 19 Bs.	(+1.45)	....		
May 24 Ei.Y.	45.33	3.2	6 L.	+0.04	+0.6	21 Bs.	(+1.61)	....		
1906			9 L.	+0.06	+0.3	26 Bs.	(+1.85)	....		
Aug. 15 Ei.Y.	45.36	2.6 W.	19 L.	+0.04	+0.1 E.	28 Bs.	(+1.57)	....		
						Sept. 14 Hl.	[+0.06]	[-0.2] W.			

1909			1910			1908			1910		
Aug. 10 P.	-0.34	-0.7 E.	Oct. 13 M.	[-0.24]	[+0.1] E.	Jan. 27 P.	+0.97	-1.0 E.	Oct. 11 L.	-0.60	+0.8 E.
16 P.	-0.25	+0.5	14 P.	[-0.34]	[-0.4]	30 M.	-0.19	+0.3	13 P.	-0.12	+0.3
19 L.	+0.16	...	17 M.	[-0.48]	[+0.1]	Feb. 4 P.	+0.21	-0.7 E.	17 P.	-0.44	+0.4
21 L.	+0.83	+0.1	18 P.	[-0.26]	[-0.2]	Sept. 22 Fk.	[+0.18]	[0.0] W.	20 P.	-0.34	+0.3
23 L.	-0.02	-0.2	28 P.	[-0.53]	[-0.2]	28 P.	+0.11	+1.3	24 P.	+0.55	+0.5
24 P.	-0.35	-0.4	Nov. 8 P.	[-1.59]	[+0.6]	Oct. 7 M.	-0.52	-0.2	25 L.	-0.33	+0.9
27 L.	+0.42	-0.7	1911			12 P.	+0.70	+0.5	28 L.	-0.30	+0.8
30 M.	-0.17	-0.5	Feb. 9 P.	[+0.12]	[-0.7]	1909			31 P.	+0.01	+0.5
31 P.	-0.11	0.0	20 P.	[-0.26]	[+0.1]	Mar. 11 L.	-0.82	+0.8	Nov. 8 L.	-1.26	+0.2
Sept. 1 L.	+0.15	-0.7	Mar. 6 P.	[-0.28]	[-0.2]	15 M.	-0.12	-0.3	11 L.	+0.43	+0.3
2 M.	-0.29	-0.4	10 L.	[-0.13]	[-0.5]	17 L.	[-0.52]	[+0.5]	1911		
7 P.	-0.36	-0.3	16 P.	[-0.62]	[+0.1]	18 M.	[+0.18]	[0.0]	Feb. 10 P.	+0.18	-0.1
8 L.	+0.03	-1.2	20 P.	[-0.58]	0.0	20 L.	-0.10	[+0.8]	21 P.	+0.01	-0.9
11 L.	-0.32	-0.6	21 L.	[-0.24]	[-0.1]	22 M.	+0.60	...	Mar. 10 P.	+0.20	-0.2
13 L.	-0.23	-0.7	23 P.	[-0.29]	[-0.6]	23 P.	-0.20	[+0.2] W.	11 L.	+0.03	+0.5
14 P.	[-0.43]	[0.0]	24 L.	[-0.59]	0.0	Aug. 20 L.	+0.04	+0.8 E.	16 M.	+0.20	-0.1
15 M.	[-0.12]	[-0.1]	27 P.	[-0.49]	[-0.4]	24 P.	-0.41	+0.4	17 P.	[+0.35]	[-0.3]
17 M.	+0.17	0.0	28 L.	[-0.05]	[-0.8]	Sept. 1 L.	-0.12	[+0.1]	20 M.	[-0.07]	[-0.1]
18 P.	-0.59	-0.2	31 L.	+0.20	-0.6	10 L.	-0.55	+0.1	21 P.	[-0.28]	[-0.1]
21 P.	+0.29	+0.4	Apr. 9 M.	+0.55	+0.1	17 P.	-0.26	0.0	24 P.	+0.36	+0.4
23 P.	+0.22	+0.5	10 P.	-0.07	+0.2 E.	18 P.	+0.29	+0.7	25 L.	+0.59	+0.3
25 P.	+0.26	0.0	Mean.....	-0.006	+0.04	19 M.	-0.58	+0.4	28 P.	+0.40	[-0.2]
28 P.	-0.29	0.0	Mag. corr.....	+0.004		24 P.	+0.34	+0.6	31 P.	[-0.04]	[-0.1] E.
29 L.	+0.68	-0.8 E.				26 M.	[-0.38]	[0.0]	Mean.....	-0.069	+0.16
30 P.	-0.71	0.0 E.				27 P.	+0.22	+0.3	Mag. corr.....	+0.004	
Oct. 1 M.	-0.24	-0.5				29 P.	+0.13	-0.5		[+0.032]	[+0.08]
2 L.	+0.42	-0.8	δ Ursæ Minoris s. p.			30 M.	+0.74	+0.3	B. D. -22° 4597		
4 M.	+0.32	-0.2	$\alpha = 18^h$ 4 ^m 32 ^s .875			Oct. 1 L.	+0.50	+1.0	$\alpha = 18^h$ 4 ^m		
5 P.	+0.85	+0.1	$\delta = +86^\circ$ 36' 48".11			4 P.	-0.08	+0.2	$\delta = -22^\circ$ 15'		
6 L.	+0.36	-0.6	1903			5 L.	+0.11	+0.4	1904		
7 M.	+0.07	0.0	Sept. 6 L.	[+0.45]	[-0.5] W.	6 M.	-0.89	+0.6	May 7 Ei.Y.	42.14	29.5 W.
8 P.	-0.52	+0.6	13 L.	[+0.29]	[-0.5]	7 P.	+0.18	-0.4	27 Ei.Y.	42.18	28.9
9 L.	+0.48	-0.2	18 L.	[-0.77]	[-0.8]	8 L.	-0.16	+0.3	1906		
12 P.	+0.49	-0.4	21 L.	[-0.35]	+0.2	11 P.	-0.72	+1.1	July 5 Ei.Y.	42.17	29.0 W.
13 L.	[+0.44]	-0.7	24 R.	[+0.67]	[-0.3]	12 L.	+1.00	+0.6	1907		
15 P.	...	+0.4	27 L.	-0.13	-0.4	19 M.	-0.37	0.0	July 25 Ei.M.	42.13	29.3 E.
19 P.	[-0.25]	+0.1	29 L.	-0.22	-0.3	21 M.	-0.28	-0.5	Mean.....	42.155	29.18
20 M.	+0.27	+0.3	Oct. 13 R.	-0.35	...	25 P.	+0.13	0.0	Mag. corr.....	+0.001	
21 P.	[-0.39]	+0.3	1904			26 L.	+0.08	-0.1	B. D. -18° 4824		
1910			Mar. 1 Br.	-0.16	-0.2	27 M.	+0.70	-0.2	$\alpha = 18^h$ 5 ^m		
Mar. 3 P.	[-0.20]	[-0.3]	4 M.	-0.10	+0.3	28 P.	-0.08	+0.7	$\delta = -18^\circ$ 33'		
4 L.	+0.32	+0.2	8 Br.	+0.78	+0.7	29 L.	+0.14	+0.5	1904		
13 M.	-0.18	-0.3	10 M.	+0.15	+0.3	30 P.	+0.54	+0.5	May 4 Ei.Y.	10.60	59.1 W.
14 L.	-0.50	[-0.1]	15 Br.	+0.51	+0.1	Nov. 4 L.	+0.04	+0.8	5 Ei.Y.	10.52	59.4 W.
21 P.	[-0.44]	[-0.1]	18 Br.	[+0.03]	[0.0] W.	25 P.	+0.33	-0.5	1905		
Apr. 5 L.	+0.16	+0.2	Oct. 1 M.	-0.07	-1.2 E.	Dec. 21 P.	+0.41	+0.7	May 24 Ei.Y.	10.52	59.7 E.
6 M.	-0.28	-0.6	4 M.	-0.59	-0.2	1910			1906		
7 P.	+0.25	+0.6	9 M.	+0.06	-0.5	Mar. 3 M.	-0.19	-0.6	July 7 Ei.Y.	10.53	60.0 W.
8 L.	-0.38	0.0	13 Br.	-0.50	-0.2	4 P.	-0.26	+0.3	Mean.....	10.542	59.55
12 L.	-0.08	+0.6	14 Y.	+0.12	+0.5	5 L.	-0.18	+0.6	Mag. corr.....	0.000	
13 M.	-0.48	+0.6	1905			8 P.	-0.43	+0.2	B. D. -19° 4886 (mean)		
14 P.	-0.16	-0.1	Jan. 20 Br.	-0.62	-0.1	15 L.	-0.74	+0.2	$\alpha = 18^h$ 5 ^m		
15 L.	+0.22	0.0	Feb. 14 Br.	+0.48	+0.1	23 L.	[+0.35]	[+0.7]	$\delta = -19^\circ$ 51'		
19 L.	-0.35	-0.4	16 Y.	+0.33	-0.2 E.	24 M.	[+0.56]	[+0.1]	1904		
22 L.	-0.11	-0.3	Oct. 11 Bs.	-1.26	+0.2 W.	2 L.	[-0.46]	+0.7	May 28 Ei.Y.	19.21	40.0 W.
27 M.	-0.02	+0.4	Nov. 10 Hl.	-0.58	...	8 P.	[-0.13]	+0.4	July 14 Ei.Y.	19.17	40.2 W.
May 4 M.	0.00	-0.1	Dec. 11 Br.	+0.41	-0.5	13 L.	[-0.47]	+0.6	1905		
Aug. 30 L.	-0.19	-0.6	1906			14 M.	[0.00]	[-0.2]	June 18 Ei.Y.	19.20	40.7 E.
Sept. 6 P.	-0.54	+0.7	Feb. 5 Bs.	+0.11	-0.2	18 M.	...	+0.2	1906		
7 M.	+0.13	+0.1	9 Br.	+0.48	+0.2	22 P.	[+0.03]	+0.1	June 11 Ei.Y.	19.22	40.8 W.
8 P.	-0.28	+0.1	13 Br.	-1.13	-0.6	28 M.	[+0.74]	+0.2	Mean.....	19.200	40.42
10 P.	-0.46	+0.3	15 Hl.	+0.21	-0.2	5 P.	[-0.47]	-0.8	Mag. corr.....	+0.020	
12 P.	-0.13	-0.1	17 Hl.	+0.04	+0.6	6 M.	+0.39	-0.2	C. P. D. -28° 6374		
15 M.	[-0.52]	[-0.1]	20 Br.	-0.37	-0.3	7 P.	[-0.24]	+0.6	$\alpha = 18^h$ 5 ^m		
16 P.	[0.00]	[-0.2]	22 Hl.	-0.27	+0.9	9 P.	+0.15	+0.5	$\delta = -28^\circ$ 55'		
17 L.	+0.30	-0.5	24 Hl.	-0.32	-0.2	15 P.	-0.21	-1.8	1904		
20 L.	+0.64	-0.7	27 Br.	+0.22	-0.3	20 M.	+0.44	-0.5	June 8 Ei.Y.	36.90	21.3 W.
22 L.	-0.67	-1.0	Mar. 1 Hl.	-0.82	+0.1	21 L.	+0.51	+1.0	July 16 Ei.Y.	36.99	21.5 W.
26 M.	-0.18	+0.7	10 Hl.	+0.17	+1.0	22 M.	-0.02	-0.3			
27 P.	-0.01	0.0	Oct. 11 Hl.	+0.08	+0.7 W.	24 M.	+0.04	-0.4			
28 L.	+0.08	-0.6	1907			25 M.	[+0.11]	+0.1			
Oct. 1 L.	+0.18	-0.4	Oct. 2 M.	-0.43	-1.1 E.	26 P.	-0.27	+0.8			
4 P.	-0.09	+0.1	13 M.	-0.06	+0.3	27 L.	-0.20	+1.4			
5 L.	[+0.43]	-0.5	16 M.	-0.11	+0.4	Oct. 2 M.	-0.45	+0.1			
6 M.	...	+0.6	20 M.	+0.03	+0.6	3 P.	-0.31	+0.3			
10 M.	[-0.34]	+0.1	23 M.	-0.24	+0.7	4 L.	+0.13	+0.7			
11 P.	-0.43	+0.1	29 P.	+0.14	+0.2	9 M.	-0.07	0.0			
12 L.	[+0.22]	[-0.3] E.	Dec. 18 M.	-0.33	-0.5 E.	10 P.	-0.49	-0.3 E.			

<p>1906 Aug. 15 Ei.Y. 36.90 20.9 W. 1907 July 16 Ei.M. 36.93 21.2 E. Mean..... 36.930 21.22 Mag. corr..... +0.013</p> <p>C. P. D. -23° 6929 $\alpha = 18^h 5^m$ $\delta = -23^\circ 43'$</p> <p>1904 Apr. 18 Ei.Y. 37.19 16.2 W. May 24 Ei.Y. 37.26 17.2 W. 1905 June 1 Ei.Y. 37.27 17.7 E. 1906 Aug. 23 Ei.Y. 37.22 16.8 W. Mean..... 37.235 16.98 Mag. corr..... 0.000</p> <p>B. D. -20° 5027 $\alpha = 18^h 5^m$ $\delta = -20^\circ 26'$</p> <p>1904 June 13 Ei.Y. 60.00 41.5 W. 14 Ei.Y. 60.00 41.9 W. 1905 May 19 Ei.Y. 59.99 41.5 E. 1906 June 29 Ei.Y. 59.96 42.4 W. Mean..... 59.988 41.82 Mag. corr..... +0.009</p> <p>40 Draconis $\alpha = 18^h 7^m$ $\delta = +79^\circ 59'$</p> <p>1903 Sept. 10 L. 31.94 16.9 W. 12 L. 31.91 17.2 16 L. [31.97] [17.1] W. 1907 Apr. 21 M. 31.57 16.7 E. May 12 M. 31.62 17.5 Aug. 7 Hl. 31.93 17.8 12 Hl. 31.93 18.9 29 M. 31.87 17.6 E. 1908 May 24 M. 31.60 17.7 W. June 8 P. 31.60 17.8 W. Mean..... 31.774 17.57 Mag. corr..... -0.006</p> <p>40 Draconis s. p. $\alpha = 18^h 7^m$ $\delta = +79^\circ 59'$</p> <p>1906 Feb. 26 Bs. 32.10 18.7 W. 1908 Jan. 12 P. 31.67 17.9 E. 24 P. 31.94 18.5 25 M. 31.77 17.7 Feb. 19 P. 31.82 17.0 E. Nov. 8 M. 31.73 17.2 W. 1909 Jan. 3 P. 31.77 16.7 20 L. 31.91 18.1 W. Mean..... 31.835 17.72 Mag. corr..... -0.007</p>	<p>41 Draconis $\alpha = 18^h 7^m$ $\delta = +79^\circ 59'$</p> <p>1904 Apr. 20 R. 37.88 29.2 W. 1907 May 12 M. 37.82 29.3 E. Mean..... 37.850 29.25 Mag. corr..... -0.006</p> <p>41 Draconis s. p. $\alpha = 18^h 7^m$ $\delta = +79^\circ 59'$</p> <p>1904 Mar. 9 R. 37.72 29.1 W. 1906 Feb. 7 Bs. 37.68 29.9 10 Hl. 37.97 30.9 19 Bs. 37.92 29.1 23 Bs. 37.90 28.7 W. 1907 Nov. 4 Hl. 38.09 29.5 E. Mean..... 37.880 29.53 Mag. corr..... -0.006</p> <p>μ Sagittarii $\alpha = 18^h 7^m 46^s.962$ $\delta = -21^\circ 5' 6''.15'$</p> <p>1904 July 6 Ei.Y. +0.04 +0.8 W. 11 Ei.Y. +0.04 +0.6 W. 1905 June 8 Ei.Y. +0.09 -0.2 E. Aug. 17 M. +0.13 +0.3 W. 18 Br. +0.04 +0.7 21 M. +0.08 +1.0 22 Br. +0.08 +0.5 1906 June 22 Ei.Y. +0.11 +0.6 W. 1907 May 9 Hl. +0.08 +1.0 E. 20 Hl. +0.11 +0.5 July 5 Hl. +0.05 +0.4 Aug. 15 P. +0.05 +0.4 26 Hl. +0.09 +0.8 E. 1908 May 17 M. +0.08 +0.5 W. 23 P. +0.02 -0.3 W. 1909 July 1 M. +0.3 E. 30 M. +0.05 +0.8 Aug. 25 L. +0.10 +1.0 26 P. +0.04 +1.3 Oct. 19 P. [+0.04] [-0.1] 20 M. [+0.3] 1910 Mar. 3 P. [+0.04] [0.0] Apr. 27 M. +0.10 +0.7 June 21 P. +0.07 +0.4 22 M. +0.10 +0.8 23 L. +0.13 +1.2 July 20 M. +0.10 +1.1 21 P. +0.15 +0.8 Aug. 5 M. +0.15 +1.3 E. Mean..... +0.083 +0.67 Mag. corr..... -0.006</p> <p>24 Ursæ Minoris $\alpha = 18^h 7^m$ $\delta = +86^\circ 59'$</p> <p>1905 Apr. 20 Br. 47.99 37.9 E. 23 Y. 47.04 39.0 24 Br. 47.23 38.1 E.</p>	<p>1906 May 4 Bs. 47.91 38.5 W. 1907 Aug. 31 M. 48.94 38.4 E. 1908 Apr. 20 P. 48.51 38.5 E. June 12 Fk. 47.47 39.0 W. July 15 Fk. 47.57 38.5 16 M. 48.04 38.0 17 P. 48.24 39.1 W. Mean..... 47.894 38.50 Mag. corr..... -0.008</p> <p>24 Ursæ Minoris s. p. $\alpha = 18^h 7^m$ $\delta = +86^\circ 59'$</p> <p>1907 Oct. 6 M. 47.62 38.0 E. 9 P. 48.33 38.2 15 P. 47.96 38.3 17 Hl. 47.62 38.2 18 P. 49.49 38.3 E. 1908 Oct. 6 L. 47.96 37.9 W. 11 M. 48.11 38.5 13 M. 47.58 37.7 30 L. 49.06 37.8 Nov. 1 M. 48.00 38.2 W. Mean..... 48.173 38.11 Mag. corr..... -0.004</p> <p>C. P. D. -27° 6281 $\alpha = 18^h 7^m$ $\delta = -27^\circ 31'$</p> <p>1904 May 7 Ei.Y. 53.91 43.2 W. 27 Ei.Y. 53.93 44.0 1906 July 5 Ei.Y. 53.93 43.3 W. 1907 July 25 Ei.M. 53.91 42.7 E. Mean..... 53.920 43.30 Mag. corr..... +0.007</p> <p>B. D. -21° 4916 $\alpha = 18^h 8^m$ $\delta = -21^\circ 44'$</p> <p>1904 May 4 Ei.Y. 15.50 22.8 W. 5 Ei.Y. 15.52 22.8 W. 1905 May 24 Ei.Y. 15.45 23.6 E. 1906 July 7 Ei.Y. 15.43 23.4 W. Mean..... 15.475 23.15 Mag. corr..... -0.007</p> <p>C. P. D. -29° 5425 $\alpha = 18^h 8^m$ $\delta = -29^\circ 51'$</p> <p>1904 May 28 Ei.Y. 41.14 4.5 W. July 18 Ei.Y. 41.14 4.7 W. 1905 June 18 Ei.Y. 41.21 5.1 E. 1906 June 11 Ei.Y. 41.14 4.1 W. Mean..... 41.158 4.60 Mag. corr..... +0.014</p>	<p>C. P. D. -25° 6411 $\alpha = 18^h 8^m$ $\delta = -25^\circ 49'$</p> <p>1904 June 8 Ei.Y. 59.70 6.1 W. July 27 Ei.Y. 59.70 6.6 W. 1905 June 1 Ei.Y. 59.64 6.9 E. 1906 Aug. 23 Ei.Y. 59.69 5.8 W. Mean..... 59.682 6.35 Mag. corr..... -0.001</p> <p>B. D. -20° 5054 $\alpha = 18^h 9^m$ $\delta = -20^\circ 45'$</p> <p>1904 July 14 Ei.Y. 15.01 28.1 W. 16 Ei.Y. 15.02 28.2 1906 Aug. 15 Ei.Y. 15.03 27.5 W. 1907 July 16 Ei.M. 14.96 27.8 E. Mean..... 15.005 27.90 Mag. corr..... -0.003</p> <p>B. D. +38° 3109 $\alpha = 18^h 9^m$ $\delta = +38^\circ 34'$</p> <p>1906 July 19 Bs. 15.99 W. 21 Bs. 16.05 26 Bs. 16.05 28 Bs. 16.00 1908 July 28 Fk. 15.98 17.6 29 P. 15.95 17.4 *Aug. 1 Fk. 15.98 17.4 3 P. 15.98 17.4 4 Fk. 15.94 17.7 10 P. 15.95 18.2 11 Fk. 16.04 17.3 18 P. 16.03 17.5 29 M. 16.01 17.6 31 M. 15.93 18.0 Sept. 3 M. 16.02 17.3 7 M. 15.97 17.7 W. Mean..... 15.992 17.59 Mag. corr..... -0.006</p> <p>B. D. -20° 5055 $\alpha = 18^h 9^m$ $\delta = -20^\circ 25'$</p> <p>1904 June 13 Ei.Y. 16.01 2.8 W. 14 Ei.Y. 15.97 2.7 W. 1905 May 19 Ei.Y. 16.03 3.3 E. 1906 June 29 Ei.Y. 15.93 3.6 W. Mean..... 15.985 3.10 Mag. corr..... +0.023</p> <p>B. D. -18° 4864 $\alpha = 18^h 9^m$ $\delta = -18^\circ 41'$</p> <p>1904 July 6 Ei.Y. 38.29 30.8 W. 11 Ei.Y. 38.27 30.4 W. 1905 June 8 Ei.Y. 38.30 31.1 E.</p>
---	--	--	--

1906 June 22 Ei.Y. 38.28 31.1 W. Mean..... 38.285 30.85 Mag. corr..... +0.022 C. P. D. -23° 7007 $\alpha = 18^h 10^m$ $\delta = -23^\circ 56'$	B. D. -18° 4886 $\alpha = 18^h 11^m$ $\delta = -18^\circ 29'$ 1904 June 13 Ei.Y. 36.60 54.4 W. 14 Ei.Y. 36.58 55.0 W. 1905 May 19 Ei.Y. 36.61 54.9 E. 1906 June 29 Ei.Y. 36.62 55.0 W. Mean..... 36.602 54.82 Mag. corr..... +0.019 C. P. D. -27° 6359 $\alpha = 18^h 11^m$ $\delta = -27^\circ 4'$	B. D. -18° 4896 (mean) $\alpha = 18^h 12^m$ $\delta = -18^\circ 39'$ 1904 May 28 Ei.Y. 50.92 28.3 W. June 13 Ei.Y. 50.92 27.5 W. 1905 June 18 Ei.Y. 50.94 28.1 E. 1906 June 11 Ei.Y. 50.92 27.8 W. Mean..... 50.925 27.92 Mag. corr..... +0.019 36 Draconis $\alpha = 18^h 13^m$ $\delta = +64^\circ 21'$	δ Sagittarii $\alpha = 18^h 14^m 35^s.547$ $\delta = -29^\circ 52' 14'' 48$ 1904 Apr. 14 Br. +0.01 +0.1 W. 19 M. +0.01 +1.9 21 Br. +0.13 +1.0 May 2 Br. +0.11 +1.6 3 M. +0.08 +0.6 13 M. +0.07 +1.6 June 3 Br. +0.06 +0.8 15 R. +0.06 +0.2 24 M. 0.00 +0.3 July 14 Ei.Y. +0.02 +1.0 16 Ei.Y. +0.05 -0.1 30 M. -0.06 +0.3 1906 Aug. 15 Ei.Y. +0.06 +0.5 W. 1907 May 9 Hl. +0.14 +0.1 E. 12 M. +0.15 +0.4 20 Hl. +0.11 +0.4 July 16 Ei.M. +0.05 +0.6 21 Hl. +0.14 +1.0 27 P. +0.17 +2.0 1909 July 1 M. +1.1 2 P. +0.10 +0.4 Aug. 25 L. +0.10 +1.2 26 P. +0.04 +1.6 Sept. 21 P. +0.5 23 P. +0.3 Oct. 19 P. [+0.02] [+0.7] 1910 Apr. 28 P. +0.06 +1.9 May 26 P. +0.14 +2.4 Aug. 16 P. +0.08 +2.0 E. Mean..... +0.075 +0.92 Mag. corr..... +0.002 C. P. D. -26° 6410 $\alpha = 18^h 14^m$ $\delta = -26^\circ 7'$
1904 May 7 Ei.Y. 27.57 1.2 W. 27 Ei.Y. 27.64 1.1 1906 July 5 Ei.Y. 27.66 1.0 W. 1907 July 25 Ei.M. 27.61 1.7 E. Mean..... 27.620 1.25 Mag. corr..... +0.007 B. D. -20° 5068 $\alpha = 18^h 10^m$ $\delta = -20^\circ 34'$	1904 July 11 Ei.Y. 47.59 43.2 W. 18 Ei.Y. 47.65 44.1 W. 1905 June 8 Ei.Y. 47.65 43.7 E. 1906 June 22 Ei.Y. 47.72 43.4 W. Mean..... 47.652 43.60 Mag. corr..... +0.005 B. D. -22° 4655 $\alpha = 18^h 11^m$ $\delta = -22^\circ 22'$	1904 Aug. 11 M. 19.57 48.6 W. 12 Br. 19.47 48.3 15 Br. 19.52 48.4 W. 1905 Apr. 20 Br. 19.45 48.5 E. 23 Y. 19.45 48.2 24 Br. 19.54 47.7 May 18 Br. 19.46 47.7 E. Aug. 19 Hl. 19.43 48.4 W. 21 M. 19.56 48.4 22 Br. 19.56 48.7 W. 1907 May 29 M. 19.57 47.9 E. Mean..... 19.507 48.25 Mag. corr..... +0.001 B. D. +35° 3205 $\alpha = 18^h 13^m$ $\delta = +35^\circ 19'$	C. P. D. -28° 6498 $\alpha = 18^h 11^m$ $\delta = -28^\circ 19'$ 1904 June 8 Ei.Y. 3.55 10.3 W. 22 Ei.Y. 3.54 11.2 W. 1905 June 1 Ei.Y. 3.59 10.5 E. 1906 Aug. 23 Ei.Y. 3.59 10.0 W. Mean..... 3.568 10.50 Mag. corr..... +0.020 C. P. D. -28° 6497 $\alpha = 18^h 11^m$ $\delta = -28^\circ 41'$
1904 May 28 Ei.Y. 3.69 9.7 W. June 17 Ei.Y. 3.69 10.2 W. 1905 June 18 Ei.Y. 3.75 11.2 E. 1906 June 11 Ei.Y. 3.66 9.1 W. Mean..... 3.698 10.05 Mag. corr..... -0.010 B. D. -17° 5112 $\alpha = 18^h 11^m$ $\delta = -17^\circ 24'$	1904 May 4 Ei.Y. 30.51 29.9 W. 5 Ei.Y. 30.50 30.0 W. 1905 May 24 Ei.Y. 30.43 30.5 E. 1906 July 7 Ei.Y. 30.46 29.7 W. Mean..... 30.475 30.02 Mag. corr..... +0.019 5 B. Lyrae $\alpha = 18^h 12^m$ $\delta = +42^\circ 7'$	1906 July 19 Bs. 52.07 W. 21 Bs. 52.01 26 Bs. 52.05 28 Bs. 52.04 1908 July 28 Fk. 52.05 58.9 29 P. 52.02 59.3 Aug. 1 Fk. 52.02 59.1 3 P. 52.01 59.2 10 P. 52.00 59.9 11 Fk. 52.01 59.0 18 P. 52.05 58.9 29 M. 52.06 59.1 31 M. 52.00 59.5 Sept. 3 M. 52.01 59.1 7 M. 52.01 59.3 W. Mean..... 52.027 59.21 Mag. corr..... -0.006 B. D. -15° 4927 $\alpha = 18^h 14^m$ $\delta = -15^\circ 52'$	1904 May 7 Ei.Y. 59.74 44.7 W. 27 Ei.Y. 59.68 44.4 W. 1905 May 19 Ei.Y. 59.72 44.4 E. 1906 June 29 Ei.Y. 59.70 44.7 W. Mean..... 59.710 44.55 Mag. corr..... +0.015 C. P. D. -24° 6362 $\alpha = 18^h 15^m$ $\delta = -24^\circ 57'$
1904 July 14 Ei.Y. 22.49 29.0 W. 16 Ei.Y. 22.55 28.6 1906 Aug. 30 Ei.Y. 22.52 29.1 W. 1907 July 16 Ei.M. 22.51 29.0 E. Mean..... 22.518 28.92 Mag. corr..... -0.010	1903 Sept. 14 L. 32.15 29.9 W. 16 L. 32.18 30.4 19 L. [32.14] [30.3] 1904 July 1 Br. 32.15 26 Br. 32.13 30.3 W. 1905 May 25 Br. 32.08 30.6 E. 1907 Apr. 21 M. 32.10 30.4 May 4 Hl. 32.10 31.1 13 Hl. 32.13 30.7 14 P. 32.08 30.9 E. Mean..... 32.122 30.54 Mag. corr..... -0.001	1904 June 8 Ei.Y. 23.33 21.1 W. 14 Ei.Y. 23.35 21.3 W. 1905 June 1 Ei.Y. 23.37 21.4 E. 1906 Aug. 23 Ei.Y. 23.36 20.6 W. Mean..... 23.352 21.10 Mag. corr..... -0.007	1904 May 4 Ei.Y. 22.02 34.8 W. 5 Ei.Y. 22.06 35.5 W. 1905 June 8 Ei.Y. 22.02 36.4 E. 1906 Aug. 30 Ei.Y. 22.06 35.4 W. Mean..... 22.040 35.52 Mag. corr..... +0.019 B. D. -18° 4926 $\alpha = 18^h 15^m$ $\delta = -18^\circ 54'$
	1904 June 13 Ei.Y. 30.09 15.2 W. 14 Ei.Y. 30.06 15.8 1906 July 5 Ei.Y. 30.02 15.4 W.		

1907	s	"	1907	s	"	1909	s	"	1910	s	"
July 25 Ei.M.	30.05	15.5 E.	May 4 Hl.	+0.07	0.0 E.	Oct. 6 L.	[+0.08]	[+0.5] E.	July 20 M.	+0.11	+0.8 E.
Mean.....	30.055	15.48	13 Hl.	+0.07	+0.3	7 M.	[-0.02]	+0.3	21 P.	+0.06	+0.7
Mag. corr.....	+0.026		28 P.	+0.03	+0.2	8 P.	[-0.08]	0.0	22 M.	+0.11	-0.1
C. P. D. -28° 6526			June 3 P.	+0.04	+0.5	9 L.	[+0.05]	+0.7	25 P.	+0.06	-0.9
$\alpha = 18^h 15^m$			July 5 Hl.	+0.05	+0.4	12 P.	[+0.12]	+0.2	26 M.	+0.11	+0.5
$\delta = -28^\circ 28'$			23 Hl.	+0.05	+0.5	13 L.	[+0.06]	+0.6	28 M.	+0.13	+0.4
1904	s	"	26 Hl.	+0.11	+0.8	15 P.	.....	+0.1	29 P.	+0.06	+0.5
July 6 Ei.Y.	40.45	31.5 W.	30 Hl.	+0.13	-0.3	19 P.	[+0.09]	+0.3	30 M.	+0.10	+0.8
11 Ei.Y.	40.48	31.1 W.	Aug. 12 Hl.	+0.05	+0.2	20 M.	.....	-0.4	Aug. 1 P.	+0.06	+0.1
1905	s	"	14 Hl.	+0.07	+0.4	25 M.	[-0.01]	-1.1	3 M.	+0.08	+0.7
May 24 Ei.Y.	40.52	32.1 E.	15 P.	+0.05	+0.9	26 P.	[+0.04]	-0.7	4 P.	+0.03	+0.2
1906	s	"	18 P.	+0.03	+1.1	28 M.	[+0.06]	-0.4	5 M.	+0.06	+0.9
July 7 Ei.Y.	40.54	31.6 W.	20 P.	+0.08	+0.4	29 P.	[+0.02]	0.0	6 L.	+0.08	+0.7
Mean.....	40.498	31.58	22 P.	+0.07	+0.5	30 L.	[+0.04]	+0.4	9 L.	+0.09	+0.9
Mag. corr.....	+0.022		26 Hl.	+0.08	+1.7	Nov. 1 M.	[+0.07]	-0.4	10 P.	+0.09	+0.4
B. D. -22° 4693			29 M.	+0.09	+0.9	2 P.	.....	-0.7	12 P.	+0.07	+0.5
$\alpha = 18^h 15^m$			31 M.	+0.04	+0.6	4 M.	[+0.04]	-0.1	13 L.	+0.02	+0.2
$\delta = -22^\circ 58'$			Sept. 6 Hl.	+0.09	+0.5	5 L.	[0.00]	+0.3	16 P.	+0.08	+1.7
1904	s	"	7 M.	+0.07	+1.0	1910			18 P.	+0.10	+0.2
May 28 Ei.Y.	59.33	2.3 W.	Apr. 16 Fk.	+0.07	... E.	Feb. 18 L.	[+0.08]	[+0.2]	19 L.	+0.08	+0.8
June 17 Ei.Y.	59.32	3.0 W.	30 P.	+0.08	... W.	22 L.	[+0.08]	-0.2	20 P.	+0.04	+0.8
1905	s	"	May 17 M.	+0.06	+0.4	24 P.	[+0.04]	+0.1	22 P.	+0.02	-0.2
June 18 Ei.Y.	59.28	3.2 E.	23 P.	+0.04	+0.2	25 L.	[+0.08]	+0.4	23 L.	+0.07	+0.2
1906	s	"	24 M.	+0.11	0.0	Mar. 3 P.	[+0.03]	-0.7	24 P.	+0.09	+0.2
June 11 Ei.Y.	59.30	1.9 W.	26 Fk.	+0.15	-0.3	13 M.	[+0.02]	+0.2	25 L.	+0.06	+0.2
Mean.....	59.308	2.60	27 M.	+0.10	+0.7	14 L.	[+0.09]	+0.3	27 L.	+0.05	+0.5
Mag. corr.....	+0.010		28 P.	+0.10	-1.0	15 M.	[+0.09]	0.0	30 L.	+0.04	+0.4
η Serpentis			June 1 P.	+0.16	+0.8	18 M.	[+0.10]	-0.3	Sept. 7 M.	+0.05	+0.1
$\alpha = 18^h 16^m 7^s.768$			July 10 P.	+0.13	...	20 M.	.....	+0.8	8 P.	+0.04	-0.6
$\delta = -2^\circ 55' 35''.51$			15 Fk.	+0.07	...	21 P.	[+0.15]	+0.6	10 P.	+0.08	+0.1
1903	s	"	16 M.	+0.04	...	24 P.	[+0.13]	-0.3	12 P.	+0.03	-0.2
Sept. 7 L.	+0.05	+0.5 W.	Aug. 15 Fk.	+0.08	+0.2	28 P.	[+0.11]	+0.5	15 M.	+0.03	+1.0
10 L.	+0.10	-0.6	19 Fk.	+0.03	+0.2	Apr. 5 L.	+0.08	-0.4	16 P.	+0.07	+0.5
11 R.	-0.01	-0.2	Sept. 4 M.	+0.03	...	6 M.	.....	+0.6	17 L.	+0.06	+0.6
12 L.	+0.13	+0.3	1909			7 P.	+0.11	+0.5	20 L.	+0.06	+0.1
14 L.	+0.03	-0.4	Apr. 23 L.	+0.12	+0.5 W.	8 L.	+0.07	-0.3	22 L.	+0.07	+0.6
15 R.	+0.02	+0.2	July 15 M.	+0.09	0.0 E.	10 M.	.....	+0.2	26 M.	[+0.02]	[0.0]
16 L.	+0.01	+0.2	17 L.	+0.03	+0.2	12 L.	+0.07	+1.0	27 P.	[+0.14]	[+0.5]
19 L.	+0.03	+0.3	24 P.	+0.09	+0.3	13 M.	+0.08	+0.5	28 L.	[+0.06]	[+0.9]
1904	s	"	27 P.	+0.07	+0.1	14 P.	+0.06	+0.2	Oct. 1 L.	[+0.10]	[+0.3]
Apr. 17 R.	+0.06	+0.3	28 M.	+0.09	0.0	15 L.	+0.06	+0.8	4 P.	[+0.05]	+0.3
May 1 R.	+0.07	...	30 M.	+0.04	+0.6	19 L.	+0.07	+0.3	5 L.	.....	+0.7
15 R.	+0.04	...	Aug. 2 L.	+0.11	+1.0	22 L.	+0.09	+0.1	6 M.	.....	-0.4
16 Br.	+0.06	+0.7	4 L.	+0.03	+0.5	26 L.	+0.08	+0.6	10 M.	[+0.06]	+0.1
24 Ei.Y.	+0.11	0.0	7 P.	+0.01	+0.5	27 M.	+0.07	+0.6	11 P.	[+0.05]	+0.4
27 Ei.Y.	+0.11	+0.9	9 L.	+0.02	+0.7	28 P.	+0.10	+0.7	12 L.	[+0.03]	+1.2
June 8 Ei.Y.	+0.10	-0.2	10 P.	+0.07	+0.2	30 P.	+0.13	+0.7	13 M.	[+0.04]	-0.2
July 1 Br.	+0.09	...	16 P.	+0.08	-0.1	May 5 P.	+0.05	+1.0	14 P.	[+0.02]	0.0
18 Ei.Y.	+0.05	-0.6	19 L.	+0.05	+0.1	6 L.	+0.04	-0.1	15 M.	[+0.02]	-0.3
27 Ei.Y.	+0.03	+0.3	21 L.	+0.04	+0.2	9 P.	+0.11	+0.4	17 M.	[+0.06]	-1.0
29 Ei.Y.	+0.07	+0.6 W.	23 L.	+0.09	+0.4	12 P.	+0.08	+1.6	18 P.	[+0.08]	+0.2
1905	s	"	24 P.	+0.10	+0.4	15 M.	+0.06	+0.3	22 L.	[+0.05]	+0.6
Apr. 13 Br.	+0.08	+0.2 E.	25 L.	+0.12	+0.3	16 P.	+0.07	+0.2	24 M.	[+0.08]	-0.7
May 19 Ei.Y.	+0.04	+0.5	27 L.	+0.13	-0.2	18 M.	+0.07	+0.4	26 L.	[+0.04]	+0.6
21 Br.	+0.07	+0.5	30 M.	+0.08	+0.5	19 P.	+0.12	+0.2	28 P.	[+0.03]	+0.1
25 Br.	+0.04	-0.2	31 P.	+0.10	+0.9	23 M.	+0.07	+0.6	29 L.	.....	+0.5
June 3 Ei.Y.	+0.06	... E.	Sept. 1 L.	+0.04	+0.5	26 P.	+0.10	+0.8	31 M.	[0.00]	-1.3
Aug. 17 M.	+0.07	-0.1 W.	2 M.	+0.07	+0.5	27 L.	+0.07	+1.5	1911		
18 Br.	+0.07	+0.8	7 P.	+0.04	+1.0	30 P.	+0.10	+1.3	Feb. 9 P.	[+0.03]	[-0.3]
1906	s	"	8 L.	+0.08	+0.2	June 3 L.	+0.10	+0.6	20 P.	[+0.02]	+0.1
Apr. 15 Bs.	+0.06	-0.2	11 L.	+0.04	0.0	6 P.	+0.06	+1.0	22 M.	[+0.01]	0.0
27 Bs.	+0.12	+0.7	13 L.	+0.04	+0.3	7 L.	+0.06	+0.9	27 P.	[-0.07]	+1.8
30 Br.	+0.07	+0.3	14 P.	+0.04	+0.4	8 M.	+0.11	+0.2	Mar. 2 P.	[+0.13]	-0.6
May 4 Bs.	+0.10	-0.1	15 M.	.....	+0.4	13 M.	+0.08	+0.1	6 P.	[+0.03]	+0.2
June 22 Ei.Y.	+0.09	+0.5	17 M.	+0.03	-0.4	19 M.	+0.12	+0.2	8 M.	[+0.06]	-0.3
29 Ei.Y.	+0.10	+0.2	18 P.	+0.08	+0.4	21 P.	+0.06	+0.6	9 P.	[+0.03]	+0.3
Aug. 23 Ei.Y.	+0.05	+0.5	21 P.	.....	+0.6	22 M.	+0.09	+0.4	10 L.	[+0.14]	+0.5
31 Ei.Y.	+0.11	-0.5 W.	22 M.	.....	0.0	23 L.	+0.09	-0.2	15 M.	[+0.18]	-0.2
1907	s	"	23 P.	.....	0.0	24 M.	+0.14	+1.3	16 P.	[+0.07]	0.0
Apr. 19 P.	+0.04	+0.2 E.	25 P.	[+0.04]	+0.4	25 L.	+0.07	+0.5	20 P.	[+0.05]	+0.7
			28 P.	[+0.06]	+2.1	26 M.	+0.10	-0.1	21 L.	[-0.01]	-0.1
			29 L.	[+0.05]	+0.2	29 M.	+0.04	+0.3	23 P.	[+0.06]	0.0
			30 P.	[+0.09]	+0.2	July 5 M.	+0.11	+0.3	24 L.	[+0.09]	+0.6
			Oct. 1 M.	+0.08	+0.4	8 L.	+0.09	+0.7	27 P.	[0.00]	+0.4
			2 L.	[+0.09]	+0.5	9 M.	+0.10	0.0	28 L.	[+0.13]	+1.0
			4 M.	[+0.01]	+0.9	11 L.	+0.11	+0.2	30 P.	[+0.18]	+1.1
			5 P.	[+0.09]	[-0.2] E.	14 M.	+0.10	+0.4	31 L.	[+0.08]	+0.9
						19 L.	+0.06	+1.0 E.	Apr. 6 P.	[+0.13]	[-0.1] E.

29297°—20——49

1907			φ Draconis			χ Draconis			1904		
Apr. 21 M.	+0.06	+1.0 E.	$\alpha = 18^h 22^m$			$\alpha = 18^h 22^m 52^s.292$			May 2 Br.	-0.03	+2.0 W.
May 13 Hl.	0.00	+1.4	$\delta = +71^\circ 17'$			$\delta = +72^\circ 41' 20''.08$			3 M.	-0.05	+1.6
Aug. 13 P.	-0.02	+0.4							12 Br.	-0.10	+1.0
22 P.	-0.01	+0.9	1905			1903			13 M.	-0.12	+1.6
31 M.	-0.02	+2.0 E.	Apr. 20 Br.	11.45	5.2 E.	Sept. 5 L.	-0.16	-0.1 W.	June 3 Br.	-0.09	+1.2
1908			23 Y.	11.37	5.8	7 L.	-0.17	+0.5	15 R.	-0.10	+1.0
May 28 P.	+0.08	+1.4 W.	24 Br.	11.36	4.8	10 L.	+0.03	-0.4	24 M.	-0.07	+1.3
June 1 P.	+0.15	+2.2	May 18 Br.	11.43	4.8	12 L.	+0.02	+0.4	July 30 M.	-0.14	+1.0 W.
2 Fk.	+0.07	+1.4 W.	1907			14 L.	+0.02	+0.3	1907		
1909			Aug. 30 Hl.	11.54	5.0 E.	16 L.	-0.01	+0.7	May 12 M.	-0.05	+0.4 E.
July 1 M.	.....	+1.0 E.	1908			19 L.	-0.02	+0.6	14 P.	-0.14	+0.5
2 P.	+0.08	0.0	Apr. 30 P.	11.54	4.8 W.	1904			July 21 Hl.	-0.06	+0.8
30 M.	0.00	+1.2	May 17 M.	11.59	4.9	Apr. 17 R.	+0.19	+0.7 W.	27 P.	-0.11	+1.0
Aug. 25 L.	+0.04	+1.4	23 P.	11.46	5.0	1907			Sept. 7 M.	-0.13	+1.3 E.
26 P.	+0.07	+2.0	24 M.	11.49	4.6	May 29 M.	-0.22	+0.2 E.	Mean.....	-0.087	+1.21
Sept. 22 M.	.....		June 12 Fk.	11.42	6.1 W.	July 31 P.	-0.14	+0.6	Mag. corr.....	+0.003	
23 P.	.....	+0.8	Mean.....	11.465	5.10	Aug. 7 Hl.	+0.09	+0.9			
Oct. 19 P.	[+0.02]	[+1.6]	Mag. corr.....	+0.006		12 Hl.	+0.04	+0.8			
1910						Sept. 6 Hl.	0.00	+0.2 E.			
Mar. 3 P.	[-0.02]	[+0.3]	φ Draconis s. p.			Mean.....	-0.025	+0.42	B. D. -21° 5025		
Apr. 27 M.	+0.02	+1.5	$\alpha = 18^h 22^m$			Mag. corr.....	-0.001		$\alpha = 18^h 23^m$		
May 26 P.	+0.13	+0.8	$\delta = +71^\circ 17'$						$\delta = -21^\circ 0'$		
June 21 P.	+0.11	+2.1	1904			χ Draconis s. p.					
24 M.	+0.15	+2.6	Mar. 9 R.	11.47	5.0 W.	$\alpha = 18^h 22^m 52^s.456$			1904		
July 19 L.	+0.08	+2.4	Oct. 4 M.	11.43	4.5 E.	$\delta = +72^\circ 41' 19''.56$			May 4 Ei.Y.	52.98	59.1 W.
Aug. 5 M.	+0.13	+1.8	9 M.	11.36	4.3	1903			5 Ei.Y.	53.01	60.0 W.
16 P.	+0.06	+1.4	14 Y.	11.57	4.3	Sept. 24 R.	[-0.08]	[-0.4] W.	1905		
Sept. 12 P.	+0.06	+1.0 E.	24 Br.	11.75	5.1	25 L.	[-0.03]	[+0.4]	May 24 Ei.Y.	52.96	59.8 E.
Mean.....	+0.060	+1.33	Nov. 24 Br.	11.76	4.9 E.	27 L.	[0.00]	[-0.6]	1906		
Mag. corr.....	+0.001		1905			28 R.	[-0.08]	[-0.4]	July 7 Ei.Y.	52.98	60.1 W.
			Nov. 10 Hl.	11.62	6.0 W.	29 L.	[-0.15]	[+1.1]	Mean.....	52.982	59.75
C. P. D. -26° 6467			Dec. 11 Br.	11.65	5.3	30 R.	-0.14	-0.7	Mag. corr.....	+0.007	
$\alpha = 18^h 21^m$			1906			Oct. 19 Br.	-0.01	+1.0 W.			
$\delta = -26^\circ 49'$			Feb. 26 Bs.	11.37	6.2	1907			C. P. D. -28° 6576		
1904			Mar. 2 Br.	11.47	5.3 W.	Oct. 6 M.	-0.09	-0.2 E.	$\alpha = 18^h 24^m$		
June 8 Ei.Y.	51.79	0.8 W.	Mean.....	11.545	5.09	9 P.	-0.14	+0.6	$\delta = -28^\circ 51'$		
22 Ei.Y.	51.81	0.3	Mag. corr.....	+0.008		14 Hl.	+0.04	+0.3	1904		
1906						15 P.	-0.28	-0.2	May 28 Ei.Y.	10.66	39.2 W.
Aug. 15 Ei.Y.	51.70	0.0 W.				17 Hl.	0.00	+0.6 E.	June 22 Ei.Y.	10.64	39.7 W.
1907						Mean.....	-0.089	+0.20	1905		
July 16 Ei.M.	51.74	0.1 E.	b Draconis			Mag. corr.....	-0.002		June 18 Ei.Y.	10.61	39.5 E.
Mean.....	51.760	0.30	$\alpha = 18^h 22^m 27^s.103$						1906		
Mag. corr.....	+0.020		$\delta = +58^\circ 44' 34''.18$						June 11 Ei.Y.	10.65	38.6 W.
			1905						Mean.....	10.640	39.25
C. P. D. -23° 7090			May 21 Br.	-0.17	+0.7 E.	B. D. +36° 3130			Mag. corr.....	+0.006	
$\alpha = 18^h 22^m$			Aug. 21 M.	-0.11	-0.2 W.	$\alpha = 18^h 23^m$					
$\delta = -23^\circ 3'$			22 Br.	-0.12	+1.0 W.	$\delta = +36^\circ 6'$			B. D. -18° 4982		
1904			1907			1906			$\alpha = 18^h 24^m$		
June 13 Ei.Y.	3.24	38.0 W.	Apr. 24 M.	-0.20	0.0 E.	July 19 Bs.	11.13	..... W.	$\delta = -18^\circ 47'$		
14 Ei.Y.	3.22	39.0 W.	Aug. 6 P.	-0.14	+0.5	21 Bs.	11.11	.....	1904		
1905			8 P.	-0.09	+0.1	26 Bs.	11.05	.....	July 14 Ei.Y.	19.18	32.2 W.
May 19 Ei.Y.	3.22	39.2 E.	20 P.	-0.18	+0.6 E.	28 Bs.	11.04	.....	16 Ei.Y.	19.23	32.0 W.
1906			1908			1908			1905		
June 29 Ei.Y.	3.25	38.7 W.	May 25 P.	-0.12	+0.6 W.	July 28 Fk.	11.07	15.9	June 1 Ei.Y.	19.21	31.9 E.
Mean.....	3.232	38.72	June 5 Fk.	-0.14	+0.7	29 P.	11.02	16.1	1906		
Mag. corr.....	+0.010		7 M.	-0.13	-0.2 W.	Aug. 1 Fk.	11.05	15.7	Aug. 23 Ei.Y.	19.22	32.2 W.
			Mean.....	-0.140	+0.38	3 P.	11.06	16.1	Mean.....	19.210	32.08
B. D. -17° 5203			Mag. corr.....	+0.002		4 Fk.	11.03	16.1	Mag. corr.....	-0.008	
$\alpha = 18^h 22^m$						10 P.	11.05	16.2			
$\delta = -17^\circ 51'$			C. P. D. -26° 6475			11 Fk.	11.04	16.1	c Serpents		
1904			$\alpha = 18^h 22^m$			18 P.	11.10	16.3	$\alpha = 18^h 24^m$		
July 6 Ei.Y.	6.41	38.4 W.	$\delta = -26^\circ 38'$			29 M.	11.11	15.8	$\delta = -2^\circ 2'$		
11 Ei.Y.	6.41	38.6 W.	1904			31 M.	11.00	16.4	1903		
1905			May 7 Ei.Y.	43.44	38.9 W.	Sept. 3 M.	11.08	15.8	Sept. 22 L.	28.71	60.3 W.
June 8 Ei.Y.	6.37	39.5 E.	June 17 Ei.Y.	43.44	39.7	7 M.	11.04	16.5 W.	25 R.	[28.77]	[59.6]
1906			1906			Mean.....	11.061	16.08	1904		
Aug. 31 Ei.Y.	6.42	38.6 W.	July 5 Ei.Y.	43.47	38.6 W.	Mag. corr.....	+0.003		Apr. 19 M.	28.74	60.5
Mean.....	6.402	38.78	1907						20 R.	28.74	60.0
Mag. corr.....	+0.023		July 25 Ei.M.	43.45	38.8 E.	2 H. Scuti			May 15 R.	28.77	59.0
			Mean.....	43.450	39.00	$\alpha = 18^h 23^m 30^s.001$			July 26 Br.	28.73	58.8
			Mag. corr.....	+0.017		$\delta = -14^\circ 37' 47''.28$			Aug. 11 M.	28.75	59.0
						1904			15 Br.	28.76	59.0 W.
						Apr. 21 Br.	-0.08	+2.4 W.	1907		
						22 M.	-0.03	+1.0 W.	Apr. 21 M.	28.76	60.1 E.

1907			1906			C. P. D. -27° 6468			3 H. Scuti		
May 4 Hl.	28.79	59.9 E.	July 7 Ei.Y.	34.63	20.6 W.	$\alpha = 18^h 29^m$			$\alpha = 18^h 29^m 45^s.909$		
13 Hl.	28.73	59.6	Mean.....	34.632	20.40	$\delta = -27^\circ 25'$			$\delta = -8^\circ 18' 53''.22$		
20 Hl.	28.77	59.5	Mag. corr.....	+0.003		1904			1903		
28 P.	28.73	60.0 E.				June 13 Ei.Y.	17.89	11.0 W.	Sept. 5 L.	+0.07	-0.1 W.
Mean.....	28.748	59.64				14 Ei.Y.	17.91	13.3 W.	7 L.	-0.01	+1.1
Mag. corr.....	-0.001					1905			10 L.	+0.08	+0.1
						May 19 Ei.Y.	17.93	11.9 E.	11 R.	-0.01	+0.9
						1906			12 L.	+0.06	0.0
						June 29 Ei.Y.	17.94	12.8 W.	14 L.	-0.07	+0.4
						Mean.....	17.918	12.25	15 R.	+0.02	+0.6
						Mag. corr.....	+0.003		16 L.	0.00	0.0
									19 L.	+0.01	-0.1
									1904		
									Apr. 17 R.	+0.04	+0.2
									21 Br.	+0.09	+1.2
									22 M.	+0.03	+0.5
									May 4 Ei.Y.	+0.02	+1.4
									5 Ei.Y.	+0.01	+1.1
									7 Ei.Y.	+0.05	+0.8
									11 R.	0.00	+1.0
									27 Ei.Y.	+0.11	+0.4
									June 17 Ei.Y.	+0.04	+0.6
									22 Ei.Y.	0.00	+0.8
									July 26 Br.	-0.01	+1.2
									Aug. 11 M.	+0.03	+0.8
									12 Br.	+0.01	+1.3 W.
									Sept. 17 T.	+0.09	-0.2 E.
									1905		
									Apr. 23 Y.	+0.05	+0.2
									May 25 Br.	+0.02	+0.1
									June 3 Ei.Y.	+0.02	...
									9 Hl.	+0.06	+0.1
									14 Ei.Y.	0.00	...
									Aug. 17 M.	+0.03	+0.7 W.
									18 Br.	-0.03	+0.8
									19 Hl.	0.00	+1.2
									21 M.	+0.02	+0.8
									22 Br.	-0.01	+1.0
									1906		
									Apr. 27 Bs.	+0.09	+0.3
									30 Br.	+0.03	+0.8
									May 3 Br.	+0.05	0.0
									July 5 Ei.Y.	+0.01	+1.3
									Aug. 31 Ei.Y.	-0.02	+1.0
									Sept. 14 Hl.	0.00	+0.1
									18 P.	+0.05	-0.3
									19 Hl.	-0.06	+0.7 W.
									1907		
									Apr. 21 M.	0.00	-0.4 E.
									24 M.	+0.09	-0.3
									May 4 Hl.	+0.05	+1.7
									9 Hl.	+0.03	+0.2
									20 Hl.	+0.07	+0.6
									23 P.	+0.05	0.0
									29 M.	+0.10	+0.3
									June 3 P.	0.00	+0.1
									5 Hl.	+0.06	+0.5
									14 Hl.	+0.04	...
									21 Hl.	+0.13	+0.4
									29 M.	+0.08	+0.3
									30 Hl.	+0.08	+0.7
									Aug. 6 P.	+0.07	-0.4
									7 Hl.	+0.08	+0.6
									8 P.	+0.01	-1.2
									12 Hl.	+0.08	+0.4
									13 P.	+0.03	-0.6
									14 Hl.	-0.01	+0.2
									18 P.	0.00	+0.5
									20 P.	+0.05	+0.3
									22 P.	+0.06	-0.6
									26 Hl.	+0.11	...
									29 M.	+0.01	...
									30 Hl.	+0.10	...
									Sept. 7 M.	+0.04	...
									11 Hl.	+0.10	... E.
									1908		
									Apr. 30 P.	+0.07	... W.

1908			1910			1910			B. D. -21° 5076		
May 17 M.	+0.06	0.0 W.	Feb. 22 L.	[+0.05]	+0.6 E.	Sept. 7 M.	-0.02	+0.8 E.	$\alpha = 18^h 31^m$		
23 P.	+0.04	-0.3	24 P.	[+0.12]	-0.7	8 P.	+0.06	+0.2	$\delta = -21^\circ 28'$		
24 M.	0.00	+0.4	25 L.	[+0.03]	+1.2	12 P.	+0.03	0.0	1904	s	
25 P.	+0.06	-0.1	Mar. 3 P.	-0.02	-0.3	15 M.	+0.03	+1.2	June 13 Ei.Y.	55.21	47.7 W.
26 Fk.	+0.05	...	14 L.	-0.03	+0.9	16 P.	+0.03	+0.4	14 Ei.Y.	55.19	49.0 W.
27 M.	+0.03	+0.9	15 M.	0.00	+0.4	17 L.	+0.02	+0.1	1905		
28 P.	+0.01	0.0	18 M.	[+0.05]	+0.4	20 L.	+0.06	+0.6	May 19 Ei.Y.	55.15	49.2 E.
June 1 P.	+0.10	+1.3	20 M.	...	+1.4	22 L.	+0.02	+1.1	1906		
2 Fk.	0.00	+0.3	21 P.	[+0.07]	+0.3	26 M.	+0.02	+0.1	June 29 Ei.Y.	55.26	49.3 W.
5 Fk.	+0.04	+0.1	24 P.	[+0.02]	-0.4	28 L.	[+0.04]	+1.6	Mean.....	55.202	48.80
12 Fk.	+0.02	+0.6	28 P.	-0.05	+0.4	Oct. 1 L.	[+0.01]	+0.3	Mag. corr.....	+0.026	
13 P.	+0.04	+0.1	Apr. 5 L.	[+0.06]	-0.1	4 P.	[+0.06]	+0.1	B. D. -17° 5271		
July 10 P.	+0.02	+0.8	6 M.	...	+0.8	5 L.	...	+0.7	$\alpha = 18^h 32^m$		
Aug. 15 Fk.	+0.01	+0.3	7 P.	[+0.03]	+1.0	6 M.	...	0.0	$\delta = -17^\circ 18'$		
20 P.	0.00	+0.6	8 L.	[+0.03]	+0.8	10 M.	[+0.03]	+0.5	1904	s	
Sept. 4 M.	+0.04	...	10 M.	...	+1.0	11 P.	[+0.06]	+0.7	July 6 Ei.Y.	3.11	56.1 W.
11 M.	+0.06	...	12 L.	[+0.07]	+1.6	13 M.	+0.07	+0.4	11 Ei.Y.	3.11	56.1 W.
1909			13 M.	+0.02	+1.3	14 P.	-0.01	-0.2	1905		
Apr. 23 L.	+0.02	+0.9 W.	14 P.	+0.03	+0.6	15 M.	+0.06	+0.8	June 8 Ei.Y.	3.16	56.9 E.
July 15 M.	+0.07	+1.0 E.	15 L.	+0.02	+1.2	17 M.	0.00	+0.3	1906		
17 L.	+0.04	+1.3	19 L.	+0.07	+1.5	18 P.	+0.06	0.0	Aug. 23 Ei.Y.	3.09	56.0 W.
24 P.	+0.06	+0.4	22 L.	+0.07	+0.2	22 L.	+0.04	+1.3	Mean.....	3.118	56.28
27 P.	+0.05	+1.0	26 L.	+0.06	+0.3	24 M.	-0.02	-0.2	Mag. corr.....	+0.014	
28 M.	+0.04	+0.5	27 M.	0.00	+0.9	26 L.	+0.01	+1.0	84 G. Sagittarii		
30 M.	+0.03	+0.4	28 P.	+0.01	+1.2	28 P.	+0.02	-0.5	$\alpha = 18^h 32^m$		
Aug. 4 L.	0.00	+0.9	30 P.	+0.10	+1.4	31 M.	-0.10	-0.1	$\delta = -23^\circ 35'$		
6 L.	-0.02	+1.0	May 4 M.	+0.05	+0.9	1911			1904	s	
7 P.	+0.04	+0.6	5 P.	+0.09	+0.8	Feb. 9 P.	[+0.08]	+0.2	July 18 Ei.Y.	25.83	24.6 W.
9 L.	+0.06	+0.6	6 L.	+0.02	+0.9	20 P.	[+0.03]	-0.1	27 Ei.Y.	25.81	24.7
10 P.	+0.12	+0.3	12 P.	+0.05	+1.0	22 M.	-0.01	+0.3	Aug. 15 Br.	25.81	24.2 W.
19 L.	+0.03	+0.4	15 M.	+0.01	+0.6	Mar. 2 P.	+0.11	-0.6	1905		
21 L.	-0.01	+0.4	16 P.	+0.11	+0.6	6 P.	-0.09	+0.6	Apr. 24 Br.	25.87	23.8 E.
23 L.	+0.06	+0.2	18 M.	+0.02	+0.5	8 M.	+0.12	+0.8	1906		
24 P.	-0.01	+0.2	19 P.	+0.06	-0.1	10 L.	+0.12	+0.4	Aug. 15 Ei.Y.	25.88	24.1 W.
25 L.	+0.05	+0.4	23 M.	+0.04	+0.8	15 M.	+0.07	0.0	1907		
27 L.	+0.03	+0.1	26 P.	+0.03	+0.7	16 P.	+0.01	+0.5	July 25 Ei.M.	25.72	24.3 E.
30 M.	+0.04	+0.6	27 L.	+0.04	+1.5	20 P.	+0.04	+0.6	Aug. 13 P.	25.69	24.9
31 P.	+0.06	+0.6	30 P.	+0.07	+0.6	21 L.	+0.01	+0.2	31 M.	25.82	23.6
Sept. 1 L.	+0.05	+0.6	June 3 L.	+0.03	+0.6	23 P.	+0.02	+0.2	Sept. 6 Hl.	25.90	23.3
2 M.	+0.12	+0.4	7 L.	+0.04	+1.6	24 L.	+0.06	+1.4	12 M.P.	25.84	23.3 E.
7 P.	+0.05	+0.8	8 M.	+0.03	+0.7	30 P.	+0.15	+0.7	1908		
8 L.	+0.02	+0.2	19 M.	+0.02	+0.7	31 L.	+0.10	+0.6	June 7 M.	25.84	24.5 W.
11 L.	+0.02	+0.5	21 P.	+0.03	+0.3	Apr. 9 M.	+0.05	+0.7	8 P.	25.87	23.8
13 L.	-0.02	+0.4	22 M.	+0.05	+0.7	10 P.	-0.02	+0.5 E.	11 P.	25.88	24.6
14 P.	+0.07	-0.1	23 L.	+0.04	+0.6	Mean.....	+0.039	+0.54	July 16 M.	25.88	24.3 W.
15 M.	...	+0.7	24 M.	+0.09	+1.4	Mag. corr.....	+0.006		Mean.....	25.831	24.14
17 M.	-0.03	+0.2	25 L.	+0.05	+1.3		[+0.034][+0.35]		Mag. corr.....	-0.006	
18 P.	+0.06	+0.1	26 M.	+0.08	+0.6	C. P. D. -28° 6611			29 Hl. Sagittarii		
21 P.	...	+0.2	29 M.	+0.05	+1.2	$\alpha = 18^h 30^m$			$\alpha = 18^h 32^m$		
22 M.	...	+0.1	30 L.	+0.07	+0.7	$\delta = -28^\circ 35'$			$\delta = -21^\circ 8'$		
23 P.	...	-0.1	July 5 M.	-0.03	+0.8	1904			1904	s	
25 P.	0.00	0.0	9 M.	+0.06	+0.9	July 14 Ei.Y.	44.00	29.3 W.	July 14 Ei.Y.	55.62	4.7 W.
28 P.	[+0.05]	[+0.5]	14 M.	-0.02	+1.2	16 Ei.Y.	43.94	29.7 W.	16 Ei.Y.	55.70	4.9 W.
29 L.	-0.01	+0.4	19 L.	+0.02	+1.0	1905			1905		
30 P.	+0.06	+0.3	20 M.	+0.05	+1.0	June 1 Ei.Y.	43.85	30.0 E.	May 24 Ei.Y.	55.65	4.6 E.
Oct. 1 M.	+0.04	+0.2	21 P.	+0.03	+1.1	1906			June 9 Hl.	55.71	4.1 E.
2 L.	+0.10	+1.2	22 M.	0.00	+0.9	Aug. 15 Ei.Y.	43.97	29.2 W.	1906		
4 M.	+0.04	+0.4	25 P.	+0.10	-0.9	Mean.....	43.940	29.55	July 7 Ei.Y.	55.63	5.0 W.
5 P.	+0.08	-0.3	28 M.	+0.03	+0.9	Mag. corr.....	+0.014		1907		
6 L.	+0.06	+0.2	29 P.	+0.14	...	C. P. D. -25° 6575			May 9 Hl.	55.67	4.9 E.
7 M.	-0.03	+0.3	30 M.	+0.02	+1.2	$\alpha = 18^h 31^m$			Aug. 26 Hl.	55.70	4.3
8 P.	-0.08	+0.1	Aug. 1 P.	+0.01	0.0	$\delta = -25^\circ 44'$			29 M.	55.64	4.7
9 L.	+0.04	+0.9	3 M.	+0.03	+1.0	1904			Sept. 7 M.	55.59	4.3 E.
12 P.	+0.08	+1.1	4 P.	+0.14	-0.8	June 8 Ei.Y.	0.64	46.4 W.	1908		
13 L.	[+0.05]	+1.0	5 M.	+0.03	+1.1	17 Ei.Y.	0.66	46.9	Apr. 30 P.	55.60	5.1 W.
15 P.	...	+0.2	6 L.	+0.08	+0.4	1906			May 25 P.	55.62	5.4
19 P.	[+0.05]	+0.2	9 L.	+0.02	+0.7	Aug. 30 Ei.Y.	0.67	46.3 W.	26 Fk.	55.66	5.2
20 M.	...	+0.2	10 P.	+0.06	+1.0	1907			July 10 P.	55.59	4.7
21 P.	[+0.02]	-0.1	12 P.	+0.04	+0.4	July 16 Ei.M.	0.70	47.5 E.	20 M.	55.64	4.4 W.
25 M.	-0.03	-0.7	16 P.	+0.06	+1.2	Mean.....	0.668	46.78	Mean.....	55.644	4.74
26 P.	+0.04	-1.2	20 P.	+0.08	+0.1	Mag. corr.....	+0.007		Mag. corr.....	-0.005	
28 M.	-0.03	-0.4	23 L.	+0.07	+0.5						
29 P.	+0.06	+0.3	24 P.	+0.04	-0.3						
Nov. 1 M.	[0.00]	-0.1	25 L.	+0.06	+0.3						
2 P.	...	-1.5	27 L.	+0.02	+0.9						
4 M.	[+0.06]	+0.4	30 L.	+0.04	+1.1						
5 L.	[+0.03]	+0.3 E.	Sept. 6 P.	+0.07	+0.9 E.						

α Lyrae			1907			B. D. -18° 5037			1904		
$\alpha = 18^h 33^m 33^s.289$			May 12 M.	34.81	8.5 E.	$\alpha = 18^h 35^m$			June 17 Ei.Y.	0.00	+0.6 W.
$\delta = +38^\circ 41' 27''.71$			29 M.	34.70	8.6	$\delta = -18^\circ 4'$			22 Ei.Y.	+0.02	+0.4
1904			Aug. 6 P.	34.70	8.7	1904			24 M.	-0.03	+0.6
Aug. 11 M.	+0.02	+0.6 W.	7 Hl.	35.02	9.6	June 13 Ei.Y.	46.07	50.9 W.	26 R.	-0.02	+0.7
1905			12 Hl.	35.00	9.3 E.	14 Ei.Y.	46.05	52.3 W.	July 26 Br.	0.00	+0.9
Aug. 21 M.	+0.03	+0.5	Mean.....	34.908	8.92	1905			Aug. 3 Ei.Y.	-0.03	+0.8
22 Br.	+0.05	+1.1	Mag. corr.....	-0.003		May 19 Ei.Y.	46.05	51.8 E.	6 Ei.Y.	-0.03	+1.0
26 Hl.	+0.01	+0.5				1906			15 Br.	-0.01	+0.9 W.
1906						June 29 Ei.Y.	46.12	52.5 W.	Sept. 17 T.	-0.06	-0.2 E.
Apr. 27 Bs.	+0.03	+0.2 W.	156 H ¹ . Draconis s. p.			Mean.....	46.072	51.88	1905		
1907			$\alpha = 18^h 34^m$			Mag. corr.....	-0.008		May 19 Ei.Y.	-0.03	+1.3 E.
May 28 P.	-0.03	+0.3 E.	$\delta = +77^\circ 28'$						Aug. 17 M.	-0.01	+1.3 W.
June 3 P.	+0.03	+0.2	1904			153 H ¹ . Draconis			18 Br.	-0.02	+1.6
17 P.	+0.02	+0.1	Oct. 9 M.	34.69	8.9 E.	$\alpha = 18^h 35^m$			19 Hl.	-0.04	+1.4
Sept. 13 Hl.M.	+0.02	+0.3	14 Y.	34.82	9.4	$\delta = +65^\circ 23'$			21 M.	-0.04	+1.0
14 P.M.	-0.03	+0.5 E.	24 Br.	34.97	8.8	1905			22 Br.	+0.03	+1.7
1908			28 Y.	34.78	9.7 E.	Apr. 24 Br.	54.43	57.5 E.	29 Br.	-0.07	+0.6
Aug. 29 M.	+0.14	+0.3 W.	1905			1907			1906		
31 M.	0.00	+1.0	Oct. 30 Br.	35.09	8.4 W.	Apr. 24 M.	54.51	57.4	Apr. 27 Bs.	-0.01	+1.5
Sept. 3 M.	+0.01	+0.3	1907			May 14 P.	54.34	58.0	30 Br.	-0.04	+1.8
7 M.	+0.02	+0.6 W.	Oct. 20 M.	34.97	9.9 E.	July 20 M.	54.52	58.0	May 3 Br.	0.00	+1.3
Mean.....	+0.023	+0.46	1908			26 Hl.	54.50	57.8 E.	June 24 Hl.	+0.04	...
Mag. corr.....	0.000		Oct. 12 P.	35.09	9.2 W.	1908			Aug. 15 Ei.Y.	+0.02	+1.2
Anonymous.			13 M.	34.83	8.5	May 17 M.	54.51	57.5 W.	23 Ei.Y.	-0.02	+0.9
$\alpha = 18^h 33^m$			14 P.	34.89	8.3	23 P.	54.48	57.5	31 Ei.Y.	0.00	+1.4
$\delta = +38^\circ 40'$			Nov. 10 L.	34.94	8.4	24 M.	54.40	57.8	Sept. 6 Ei.Y.	-0.02	+1.3
1906			11 M.	34.84	7.1 W.	27 M.	54.55	57.9	14 Hl.	-0.01	+1.2
July 19 Bs.	34.64	.... W.	Mean.....	34.901	8.78	28 P.	54.56	57.7 W.	18 P.	-0.08	+0.7
21 Bs.	34.63	....	Mag. corr.....	-0.006		Mean.....	54.480	57.71	19 Hl.	-0.03	+1.4
26 Bs.	34.68	....	C. P. D. -26° 6527			Mag. corr.....	-0.006		24 Hl.	-0.04	+0.5 W.
28 Bs.	34.64	....	$\alpha = 18^h 34^m$						1907		
1908			$\delta = -26^\circ 49'$			153 H ¹ . Draconis s. p.			May 20 Hl.	+0.01	+1.4 E.
July 28 Fk.	34.63	36.3	1904			$\alpha = 18^h 35^m$			June 6 M.	0.00	+0.7
29 P.	34.64	36.3	June 17 Ei.Y.	52.49	58.3 W.	$\delta = +65^\circ 23'$			14 Hl.	-0.06	...
Aug. 1 Fk.	34.61	35.8	22 Ei.Y.	52.42	58.9 W.	1904			21 Hl.	-0.03	+0.9
3 P.	34.65	36.2	1905			Oct. 16 M.	54.36	56.8 E.	31 P.	-0.04	-0.5
4 Fk.	34.59	36.7	June 1 Ei.Y.	52.47	59.1 E.	18 M.	54.47	57.3	Aug. 13 P.	-0.07	+0.1
10 P.	34.70	36.2	1906			26 Y.	54.43	56.8	18 P.	-0.17	+0.3
11 Fk.	34.60	36.5	Aug. 30 Ei.Y.	52.53	58.0 W.	27 Br.	54.45	58.6	20 P.	-0.01	+0.5
18 P.	34.65	36.2 W.	Mean.....	52.478	58.58	Nov. 1 M.	54.50	57.0 E.	22 P.	-0.01	+0.2
Mean.....	34.638	36.28	Mag. corr.....	-0.001		1905			31 M.	+0.01	+1.8
Mag. corr.....	-0.022					Nov. 2 Br.	54.48	57.4 W.	Sept. 6 Hl.	-0.03	+1.2
B. D. -20° 5223			C. P. D. -28° 6638			10 Hl.	54.60	59.1	10 Ei.M.	-0.03	...
$\alpha = 18^h 33^m$			$\alpha = 18^h 35^m$			1906			11 Hl.	+0.02	+0.7
$\delta = -20^\circ 9'$			$\delta = -28^\circ 3'$			Mar. 5 Bs.	54.56	58.2	12 M.P.	-0.10	+1.0
1904			1904			1908			13 Hl.M.	-0.01	+1.1
May 28 Ei.Y.	57.82	34.0 W.	June 8 Ei.Y.	6.74	0.2 W.	Oct. 16 P.	54.69	58.9	14 P.M.	-0.03	+1.4
June 8 Ei.Y.	57.79	34.8 W.	Aug. 3 Ei.Y.	6.75	0.7	29 P.	54.54	56.8 W.	15 Hl.P.	-0.02	+1.6 E.
1905			1906			Mean.....	54.508	57.69	1908		
June 18 Ei.Y.	57.75	35.1 E.	Aug. 23 Ei.Y.	6.76	0.2 W.	Mag. corr.....	-0.007		Apr. 30 P.	-0.07	+0.5 W.
1906			1907			4 H. Scuti			June 1 P.	+0.04	+2.0
June 11 Ei.Y.	57.79	34.2 W.	July 16 Ei.M.	6.75	0.2 E.	$\alpha = 18^h 36^m 47^s.957$			2 Fk.	-0.02	+0.7
Mean.....	57.788	34.52	Mean.....	6.750	0.32	$\delta = -9^\circ 8' 53''.76$			5 Fk.	-0.05	+1.0
Mag. corr.....	+0.014		Mag. corr.....	+0.006		1903			7 M.	-0.01	+0.7
156 H ¹ . Draconis			C. P. D. -23° 7191			Sept. 22 L.	-0.08	+0.2 W.	8 P.	-0.01	+1.2
$\alpha = 18^h 34^m$			$\alpha = 18^h 35^m$			24 L.	-0.09	+0.4	11 P.	+0.04	+0.8
$\delta = +77^\circ 28'$			$\delta = -23^\circ 55'$			26 L.	-0.04	+0.3	12 Fk.	-0.03	+1.4
1903			1904			1904			13 P.	-0.02	+0.6
Sept. 5 L.	35.08	9.0 W.	July 6 Ei.Y.	45.68	34.1 W.	Apr. 21 Br.	+0.05	+1.2	July 10 P.	+0.02	...
7 L.	34.92	9.2	11 Ei.Y.	45.76	34.0 W.	22 M.	+0.01	+1.2	16 M.	-0.01	+0.4
10 L.	34.91	8.9	1905			May 1 R.	-0.02	+1.0	20 M.	0.00	+1.3
12 L.	35.00	8.6	June 8 Ei.Y.	45.75	35.1 E.	2 Br.	-0.05	+1.3	Aug. 15 Fk.	-0.02	+0.3
14 L.	34.94	8.8	1906			4 Ei.Y.	+0.02	+1.6	20 P.	-0.04	+1.0
15 R.	34.74	8.9	Aug. 15 Ei.Y.	45.76	35.2 W.	5 Ei.Y.	+0.03	+1.2	Sept. 11 M.	-0.03	...
16 L.	34.99	9.2	Mean.....	45.738	34.60	7 Ei.Y.	-0.01	+1.0	18 P.	0.00	... W.
19 L.	35.00	8.6 W.	Mag. corr.....	+0.022		11 R.	0.00	+1.7	1910		
						12 Br.	-0.03	+0.7	Aug. 1 P.	-0.04	+0.6 E.
						13 M.	-0.03	+1.4	4 P.	0.00	+0.5
						15 R.	-0.02	+2.0	11 L.	-0.02	+0.8
						16 Br.	-0.02	+1.4	13 L.	+0.02	+0.7
						June 3 Br.	-0.04	+0.8	25 L.	0.00	+0.6
						15 R.	-0.01	+0.8 W.	Sept. 6 P.	+0.02	+1.4
									8 P.	-0.04	+0.3
									10 P.	-0.04	+0.8
									22 L.	-0.02	+1.4 E.
									Mean.....	-0.020	+0.96
									Mag. corr.....	+0.002	

B. D. -19° 5134			1906			1910			1903		
$\alpha = 18^h 37^m$			July 26 Bs. 50.09			Apr. 27 M. +0.08 +1.1 E.			Sept. 12 L. 1.66 57.3 W.		
$\delta = -19^\circ 22'$			28 Bs. 50.10			28 P. +0.12 +0.6			14 L. 1.60 57.5		
1904			1908			30 P. +0.15 +1.1			16 L. 1.65		
July 18 Ei.Y. 1.66 47.8 W.			July 28 Fk. 50.06 13.0			June 21 P. +0.18 +1.2			19 L. 1.62 57.7 W.		
27 Ei.Y. 1.60 47.8			29 P. 50.02 13.5			July 19 L. +0.07 +1.6			1907		
1906			Aug. 1 Fk. 50.04 13.2			20 M. +0.06 +1.0			July 27 P. 1.56 55.3 E.		
June 29 Ei.Y. 1.65 47.8 W.			3 P. 50.08 12.8			21 P. +0.08 +0.9			Aug. 13 P. 1.50 55.7		
1907			4 Fk. 49.96 13.3			Aug. 5 M. +0.15 +1.0			Sept. 6 Hl. 1.67 57.1		
July 25 Ei.M. 1.61 47.3 E.			10 P. 50.07 14.2			Sept. 12 P. +0.13 -0.2 E.			11 Hl. 1.58 55.9 E.		
Mean..... 1.630 47.68			11 Fk. 50.10 13.3			Mean..... +0.087 +0.73			Mean..... 1.613 56.88		
Mag. corr..... +0.017			18 P. 50.12 13.3			Mag. corr..... -0.001			Mag. corr..... 0.000		
B. D. -22° 4835			29 M. 50.06 13.7			B. D. -17° 5310			ϵ^1 Lyrae (mean)		
$\alpha = 18^h 37^m$			31 M. 50.06 13.7			$\alpha = 18^h 39^m$			$\alpha = 18^h 41^m$		
$\delta = -22^\circ 30'$			Sept. 3 M. 50.04 13.3			$\delta = -17^\circ 38'$			$\delta = +39^\circ 33'$		
1904			7 M. 50.12 13.4 W.			1904			1907		
July 14 Ei.Y. 18.51 29.0 W.			Mean..... 50.068 13.39			July 18 Ei.Y. 48.04 51.2 W.			Aug. 31 M. 1.70 56.9 E.		
16 Ei.Y. 18.44 28.3 W.			Mag. corr..... +0.008			27 Ei.Y. 48.07 51.2			Mag. corr..... 0.00		
1905			B. D. +52° 2268			1906			ϵ^2 Lyrae (pr.)		
May 24 Ei.Y. 18.51 28.5 E.			$\alpha = 18^h 39^m$			Aug. 23 Ei.Y. 48.09 51.2 W.			$\alpha = 18^h 41^m$		
1906			$\delta = +52^\circ 29'$			1907			$\delta = +39^\circ 30'$		
July 7 Ei.Y. 18.50 29.0 W.			1907			July 25 Ei.M. 48.02 51.2 E.			1907		
Mean..... 18.490 28.70			May 4 Hl. 14.75 51.6 E.			Mean..... 48.055 51.20			May 14 P. 3.86 28.7 E.		
Mag. corr..... +0.005			12 M. 14.81 51.1 E.			Mag. corr..... +0.010			July 31 P. 3.80 29.7		
B. D. -21° 5118			Mean..... 14.780 51.35			B. D. -19° 5154			Sept. 12M.P. 3.85 29.5 E.		
$\alpha = 18^h 37^m$			Mag. corr..... -0.004			$\alpha = 18^h 40^m$			1908		
$\delta = -21^\circ 0'$			B. D. -21° 5131			$\delta = -19^\circ 42'$			May 17 M. 3.85 29.0 W.		
1904			$\alpha = 18^h 39^m$			1904			23 P. 3.78 30.3 W.		
May 28 Ei.Y. 34.93 60.0 W.			$\delta = -21^\circ 6'$			July 14 Ei.Y. 6.92 37.3 W.			Mean..... 3.828 29.44		
1905			1904			16 Ei.Y. 6.96 37.0 W.			Mag. corr..... 0.000		
June 13 Ei.Y. 34.95 59.6 W.			June 13 Ei.Y. 20.52 9.5 W.			1905			ϵ^2 Lyrae (mean)		
1906			14 Ei.Y. 20.56 10.6 W.			May 24 Ei.Y. 6.88 37.3 E.			$\alpha = 18^h 41^m$		
June 18 Ei.Y. 34.92 60.9 E.			1905			1906			$\delta = +39^\circ 30'$		
1907			May 19 Ei.Y. 20.55 10.4 E.			July 7 Ei.Y. 6.90 37.5 W.			1903		
June 11 Ei.Y. 34.89 60.2 W.			1906			Mean..... 6.915 37.28			Sept. 22 L. 3.97 29.3 W.		
Mean..... 34.922 60.18			June 29 Ei.Y. 20.53 11.2 W.			Mag. corr..... +0.016			24 L. 3.97 29.5		
Mag. corr..... +0.007			Mean..... 20.540 10.42			B. D. -22° 4854			26 L. 3.97 29.1 W.		
B. D. -19° 5142			Mag. corr..... +0.019			$\alpha = 18^h 40^m$			1907		
$\alpha = 18^h 38^m$			φ Sagittarii			$\delta = -22^\circ 29'$			Sept. 15 Hl.P. 3.93 29.8 E.		
$\delta = -19^\circ 25'$			$\alpha = 18^h 39^m 24^s .559$			1904			Mean..... 3.960 29.42		
1904			$\delta = -27^\circ 5' 36'' .83$			May 28 Ei.Y. 18.84 47.5 W.			Mag. corr..... +0.001		
June 17 Ei.Y. 15.30 3.0 W.			1903			Aug. 3 Ei.Y. 18.82 48.5 W.			C. P. D. -28° 6680		
22 Ei.Y. 15.28 3.8 W.			Sept. 11 R. -0.01 +1.0 W.			1905			$\alpha = 18^h 41^m$		
1905			1904			June 18 Ei.Y. 18.85 48.3 E.			$\delta = -28^\circ 23'$		
June 1 Ei.Y. 15.23 4.2 E.			July 6 Ei.Y. -0.01 +1.1			1906			1904		
1906			11 Ei.Y. +0.07 +1.1			June 11 Ei.Y. 18.76 47.8 W.			June 8 Ei.Y. 19.03 12.3 W.		
Aug. 30 Ei.Y. 15.33 3.1 W.			Aug. 11 M. -0.01 +1.0 W.			Mean..... 18.818 48.02			Aug. 3 Ei.Y. 18.98 11.8		
Mean..... 15.285 3.52			1905			Mag. corr..... -0.008			1906		
Mag. corr..... +0.015			June 8 Ei.Y. +0.10 +0.4 E.			C. P. D. -29° 5710			Aug. 15 Ei.Y. 19.08 12.4 W.		
B. D. -25° 6602			1906			$\alpha = 18^h 40^m$			1907		
$\alpha = 18^h 38^m$			Aug. 15 Ei.Y. +0.07 +1.0 W.			$\delta = -29^\circ 44'$			July 16 Ei.M. 18.97 12.5 E.		
$\delta = -25^\circ 6'$			1907			1904			Mean..... 19.015 12.25		
1904			May 9 Hl. +0.13 +1.0 E.			May 28 Ei.Y. 18.84 47.5 W.			Mag. corr..... +0.009		
June 8 Ei.Y. 40.79 39.8 W.			20 Hl. +0.07 +1.5			1905			110 Hercules		
1905			28 P. +0.01 -0.3			June 17 Ei.Y. 25.29 9.3 W.			$\alpha = 18^h 41^m 21^s .441$		
Aug. 6 Ei.Y. 40.79 39.9			Aug. 7 Hl. +0.14 +0.8			22 Ei.Y. 25.33 9.5 W.			$\delta = +20^\circ 26' 58'' .96$		
1906			26 Hl. +0.12 +1.6 E.			1905			1903		
Aug. 31 Ei.Y. 40.74 40.1 W.			1908			June 1 Ei.Y. 25.26 10.1 E.			Sept. 5 L. +0.10 +0.8 W.		
1907			May 24 M. +0.09 +0.6 W.			1906			1904		
July 16 Ei.M. 40.81 39.8 E.			25 P. +0.12 +0.4			Aug. 30 Ei.Y. 25.29 8.8 W.			May 2 Br. +0.03 +1.5		
Mean..... 40.782 39.90			26 Fk. +0.09 +0.3 W.			Mean..... 25.292 9.42			3 M. +0.13 +0.3		
Mag. corr..... -0.008			1909			Mag. corr..... +0.014			11 R. +0.02 +1.0		
B. D. +36° 3239			May 9 M. +0.4 E.			ϵ^1 Lyrae (south)			12 Br. +0.06 +0.4		
$\alpha = 18^h 38^m$			July 1 M. +0.7			$\alpha = 18^h 41^m$			13 M. +0.10 +0.9		
$\delta = +36^\circ 27'$			2 P. +0.07 -0.1			$\delta = +39^\circ 33'$			15 R. +0.06 +1.9		
1906			30 M. +0.09 +0.4			1903			16 Br. +0.09 +1.1 W.		
July 19 Bs. 50.06 W.			Aug. 26 P. +0.11 +0.9			Sept. 7 L. 1.61 57.9 W.					
21 Bs. 50.11 W.			Sept. 21 P. -0.3			10 L. 1.68 57.5 W.					
			23 P. +0.1								
			Oct. 19 P. [+0.08] [+0.2]								
			20 M. [-0.3] E.								

1904			C. P. D. -23° 7256			1908			C. P. D. -26° 6572		
June 3 Br.	+0.09	+0.7 W.	$\alpha = 18^h 41^m$			June 16 Fk.	36.36	13.8 W.	$\alpha = 18^h 44^m$		
15 R.	+0.05	+1.0	$\delta = -23^\circ 21'$			July 16 M.	36.41	14.6	$\delta = -26^\circ 53'$		
24 M.	+0.05	+1.2				20 M.	36.36	14.8 W.			
26 R.	+0.13	+1.2									
Aug. 15 Br.	+0.04	+0.8 W.	1904			Mean.....	36.361	14.02	1904		
1905			June 13 Ei.Y.	51.63	54.6 W.	Mag. corr.....	+0.003		June 8 Ei.Y.	23.97	3.4 W.
June 9 Hl.	+0.07	+1.5 E.	14 Ei.Y.	51.60	55.1 W.				Aug. 3 Ei.Y.	23.97	3.7
Aug. 17 M.	+0.04	+0.8 W.	1905						1906		
18 Br.	+0.03	+0.8	May 19 Ei.Y.	51.64	55.2 E.				Aug. 30 Ei.Y.	24.04	3.2 W.
21 M.	+0.06	0.0	1906						1907		
22 Br.	+0.04	+1.3	June 29 Ei.Y.	51.62	55.9 W.				July 16 Ei.M.	24.00	3.5 E.
26 Hl.	+0.06	+0.6	Mean.....	51.622	55.20				Mean.....	23.995	3.45
29 Br.	+0.03	+0.1	Mag. corr.....	-0.006					Mag. corr.....	+0.009	
30 Hl.	+0.11	+0.6									
1906			6 H. Scuti								
June 24 Hl.	+0.08	...	$\alpha = 18^h 41^m$								
Sept. 14 Hl.	+0.04	+1.5	$\delta = -4^\circ 51'$								
18 P.	+0.08	+0.2									
19 Hl.	+0.06	+1.0	1905								
24 Hl.	-0.03	+0.3 W.	Apr. 24 Br.	52.17	17.4 E.						
1907			1907								
May 29 M.	+0.08	+0.6 E.	June 6 M.	52.13	17.4						
June 3 P.	+0.07	-0.1	Aug. 20 P.	52.15	17.1						
17 P.	+0.08	(+3.3)	Sept. 16 M.	52.13	17.5 E.						
July 14 Hl.	+0.10	...	1908								
29 M.	+0.07	+1.2	Apr. 30 P.	52.17	16.7 W.						
Aug. 6 P.	+0.07	+1.0	May 27 M.	52.12	17.5						
8 P.	+0.03	+0.4	28 P.	52.16	17.5						
18 P.	0.00	+1.8	June 1 P.	52.19	16.2						
29 M.	+0.12	...	2 Fk.	52.07	17.1						
30 Hl.	+0.10	+0.9	5 Fk.	52.12	17.1 W.						
Sept. 7 M.	+0.11	...	Mean.....	52.141	17.15						
1908			Mag. corr.....	+0.004							
June 4 P.	-0.03	...									
8 P.	+0.08	+1.6									
11 P.	+0.15	...									
12 Fk.	+0.02	...									
13 P.	+0.05	...									
10 P.	+0.11	+1.0									
16 M.	+0.08	...									
Aug. 15 Fk.	+0.07	+0.5									
Sept. 11 M.	+0.07	...									
18 P.	+0.01	...									
21 M.	+0.06	+0.8									
22 P.	+0.06	+1.2 W.									
1909											
Aug. 4 L.	+0.05	+0.7 E.									
6 L.	+0.09	+1.1									
7 P.	+0.06	+1.2									
9 L.	+0.05	+0.8									
10 P.	+0.02	+0.7									
19 L.	+0.02	+0.3									
21 L.	+0.04	+0.9									
23 L.	+0.04	+1.7									
1910											
June 22 M.	+0.04	+1.2									
23 L.	+0.05	+1.0									
July 21 P.	+0.06	+1.3									
25 P.	+0.03	+0.1									
Aug. 1 P.	+0.03	+0.9									
3 M.	+0.01	+1.4									
4 P.	0.00	+0.9									
6 L.	+0.02	+1.2									
9 L.	+0.09	+1.1									
11 L.	+0.02	+0.4									
12 P.	+0.05	+0.7									
13 L.	+0.06	+1.2									
19 L.	+0.02	+1.0									
23 L.	+0.06	+0.7									
25 L.	+0.07	+0.7									
27 L.	+0.08	+1.4									
30 L.	+0.08	+1.4									
Sept. 6 P.	+0.02	+0.5									
Oct. 1 L.	+0.08	+0.5 E.									
Mean.....	+0.059	+0.90									
Mag. corr.....	+0.004										

1905	s	"
June 8 Ei.Y.	32.01	15.5 E.
1906		
Aug. 23 Ei.Y.	32.03	14.9 W.
Mean.....	32.028	15.35
Mag. corr.....	+0.014	
C. P. D. -24° 6534		
α = 18 ^h 45 ^m		
δ = -24° 46'		
1904	s	"
July 18 Ei.Y.	44.29	18.4 W.
27 Ei.Y.	44.35	17.7
1906		
Aug. 15 Ei.Y.	44.36	17.6 W.
1907		
July 25 Ei.M.	44.26	17.7 E.
Mean.....	44.315	17.85
Mag. corr.....	-0.002	
B. D. -22° 4892		
α = 18 ^h 46 ^m		
δ = -22° 2'		
1904	s	"
July 14 Ei.Y.	8.02	19.2 W.
16 Ei.Y.	8.06	19.2 W.
1905		
May 24 Ei.Y.	8.02	18.6 E.
1906		
July 7 Ei.Y.	8.01	19.1 W.
Mean.....	8.028	19.02
Mag. corr.....	+0.015	
C. P. D. -29° 5758		
α = 18 ^h 46 ^m		
δ = -29° 29'		
1904	s	"
May 28 Ei.Y.	15.97	50.9 W.
Aug. 3 Ei.Y.	15.98	51.5 W.
1905		
June 18 Ei.Y.	16.01	52.2 E.
1906		
June 11 Ei.Y.	15.98	51.0 W.
Mean.....	15.985	51.40
Mag. corr.....	+0.020	
β Lyre		
α = 18 ^h 46 ^m 23°.272		
δ = +33° 14' 47".20		
1903	s	"
Sept. 11 R.	0.00	+0.4 W.
21 R.	-0.02	+0.1
22 L.	+0.03	-0.1
23 R.	+0.01	+0.8
24 L.	+0.04	-0.5
26 L.	+0.07	+0.4
28 L.	+0.02	-0.3
1904		
May 2 Br.	-0.01	+1.0
11 R.	+0.03	+0.6
12 Br.	+0.04	+0.5
13 M.	+0.06	+0.4
June 3 Br.	+0.02	+0.4
15 R.	+0.03	+0.8
24 M.	+0.09	+0.2
26 R.	+0.01	+0.5 W.
1907		
May 13 Hl.	0.00	+0.6 E.
14 P.	-0.02	-0.4
June 17 P.	0.00	-0.1 E.

1907	s	"
Aug. 20 P.	+0.02	+0.2 E.
Sept. 13 Hl.M.	+0.08	... E.
Mean.....	+0.025	+0.29
Mag. corr.....	-0.003	
C. P. D. -27° 6550		
α = 18 ^h 46 ^m		
δ = -27° 52'		
1904	s	"
June 17 Ei.Y.	51.42	38.9 W.
22 Ei.Y.	51.40	37.9 W.
1905		
June 1 Ei.Y.	51.41	39.0 E.
1906		
Aug. 30 Ei.Y.	51.48	38.8 W.
Mean.....	51.428	38.65
Mag. corr.....	+0.007	
B. D. -18° 5115		
α = 18 ^h 47 ^m		
δ = -18° 45'		
1904	s	"
June 8 Ei.Y.	15.04	24.2 W.
Aug. 6 Ei.Y.	15.01	25.2
1906		
Aug. 23 Ei.Y.	14.98	24.8 W.
1907		
July 16 Ei.M.	15.01	25.2 E.
Mean.....	15.010	24.85
Mag. corr.....	+0.013	
B. D. +39° 3551		
α = 18 ^h 47 ^m		
δ = +39° 13'		
1906	s	"
July 19 Bs.	19.41	.... W.
26 Bs.	19.49	....
28 Bs.	19.50	....
1908		
July 28 Fk.	19.39	19.2
29 P.	19.40	19.9
Aug. 1 Fk.	19.45	19.5
3 P.	19.41	19.2
10 P.	19.44	20.5
18 P.	19.41	19.4
29 M.	19.48	19.9
31 M.	19.39	20.1
Sept. 3 M.	19.46	19.7 W.
Mean.....	19.436	19.71
Mag. corr.....	+0.008	
B. D. -21° 5176		
α = 18 ^h 48 ^m		
δ = -21° 28'		
1904	s	"
June 13 Ei.Y.	1.56	54.6 W.
14 Ei.Y.	1.62	55.7 W.
1905		
May 19 Ei.Y.	1.57	55.8 E.
1906		
June 29 Ei.Y.	1.57	55.6 W.
Mean.....	1.580	55.42
Mag. corr.....	-0.008	
B. D. -22° 4907		
α = 18 ^h 48 ^m		
δ = -22° 52'		
1904	s	"
July 6 Ei.Y.	7.96	3.7 W.
11 Ei.Y.	8.00	3.5 W.

1905	s</
------	-----

B. D. -16° 5083			1909			1910			1910		
$\alpha = 18^h 49^m$			July 17 L.			Apr. 28 P.			Oct. 24 M.		
$\delta = -16^\circ 28'$			24 P.			30 P.			26 L.		
1904			27 P.			May 4 M.			28 P.		
June 18 Ei.Y.			28 M.			5 P.			29 L.		
23 Ei.Y.			30 M.			6 L.			31 M.		
1906			Aug. 2 L.			9 P.			Nov. 8 P.		
Aug. 15 Ei.Y.			4 L.			12 P.			1911		
1907			6 L.			15 M.			Feb. 20 P.		
July 16 Ei.M.			7 P.			16 P.			22 M.		
Mean.....			9 L.			18 M.			Mar. 8 M.		
Mag. corr.....			10 P.			19 P.			10 L.		
C. P. D. -24° 6551			19 L.			23 M.			16 P.		
$\alpha = 18^h 50^m$			21 L.			26 P.			20 P.		
$\delta = -24^\circ 44'$			23 L.			27 L.			21 L.		
1904			24 P.			June 3 L.			23 P.		
June 13 Ei.Y.			25 L.			7 L.			24 L.		
14 Ei.Y.			27 L.			8 M.			28 L.		
1905			30 M.			19 M.			30 P.		
May 19 Ei.Y.			31 P.			21 P.			Apr. 9 M.		
1906			Sept. 1 L.			22 M.			10 P.		
June 29 Ei.Y.			2 M.			23 L.			Mean.....		
Mean.....			7 P.			24 M.			Mag. corr.....		
Mag. corr.....			8 L.			25 L.			[+0.035][+0.63]		
θ Serpentis			11 L.			29 M.			B. D. -20° 5339		
$\alpha = 18^h 51^m$			13 L.			July 5 M.			$\alpha = 18^h 51^m$		
$\delta = +4^\circ 4' 24''.37$			15 M.			9 M.			$\delta = -20^\circ 47'$		
1904			17 M.			14 M.			1904		
May 1 R.			18 P.			19 L.			July 6 Ei.Y.		
2 Br.			21 P.			20 M.			11 Ei.Y.		
12 Br.			22 M.			21 P.			1905		
24 R.			23 P.			22 M.			June 8 Ei.Y.		
June 15 R.			25 P.			25 P.			1906		
Aug. 3 Ei.Y.			28 P.			26 M.			Aug. 30 Ei.Y.		
6 Ei.Y.			29 L.			28 M.			Mean.....		
Sept. 7 Ei.Y.			30 P.			30 M.			Mag. corr.....		
17 T.			Oct. 1 M.			Aug. 3 M.			B. D. -19° 5242		
1905			2 L.			4 P.			$\alpha = 18^h 51^m$		
June 2 Hl.			4 M.			5 M.			$\delta = -19^\circ 17'$		
1906			5 P.			6 L.			1904		
June 24 Hl.			6 L.			9 L.			July 18 Ei.Y.		
25 Ei.Y.			7 M.			10 P.			27 Ei.Y.		
Aug. 15 Ei.Y.			8 P.			12 P.			1906		
1907			9 L.			13 L.			June 29 Ei.Y.		
May 9 Hl.			12 P.			16 P.			1907		
June 3 P.			13 L.			18 P.			July 25 Ei.M.		
14 P.			15 P.			19 L.			Mean.....		
17 P.			19 P.			20 P.			Mag. corr.....		
July 16 Ei.M.			20 M.			22 P.			§ Sagittarii		
21 Hl.			25 M.			23 L.			$\alpha = 18^h 51^m$		
29 M.			28 M.			24 P.			$\delta = -21^\circ 14'$		
Aug. 18 P.			29 P.			25 L.			1903		
22 P.			30 L.			27 L.			Sept. 7 L.		
Sept. 10 Ei.M.			Nov. 1 M.			30 L.			12 L.		
21 M.			4 M.			Sept. 7 M.			14 L.		
1908			5 L.			8 P.			16 L.		
May 23 P.			1910			10 P.			19 L.		
24 M.			Feb. 18 L.			12 P.			22 L.		
June 4 P.			Mar. 3 P.			15 M.			24 L.		
5 Fk.			4 L.			16 P.			28 L.		
July 7 M.			14 L.			17 L.			1904		
July 10 P.			15 M.			20 L.			July 14 Ei.Y.		
17 P.			18 M.			22 L.			16 Ei.Y.		
29 P.			20 M.			26 M.			1905		
Aug. 19 Fk.			21 P.			27 P.			May 24 Ei.Y.		
20 P.			24 P.			28 L.			1906		
Sept. 18 P.			28 P.			Oct. 1 L.			July 7 Ei.Y.		
21 M.			5 L.			4 P.			1907		
22 P.			6 M.			5 L.			May 4 Hl.		
23 Fk.			7 P.			6 M.			14 P.		
25 P.			8 L.			10 M.			Mean.....		
1909			10 M.			11 P.			Mag. corr.....		
July 15 M.			13 M.			12 L.			[+0.035][+0.63]		
			14 P.			13 M.			B. D. -20° 5339		
			15 L.			14 P.			$\alpha = 18^h 51^m$		
			19 L.			15 M.			$\delta = -20^\circ 47'$		
			22 L.			16 P.			1904		
			25 P.			17 L.			July 6 Ei.Y.		
			27 M.			20 L.			11 Ei.Y.		
						22 L.			1905		
						26 M.			June 8 Ei.Y.		
						27 P.			1906		
						28 L.			Aug. 30 Ei.Y.		
						30 L.			Mean.....		
						Sept. 7 M.			Mag. corr.....		
						8 P.			B. D. -19° 5242		
						10 P.			$\alpha = 18^h 51^m$		
						12 P.			$\delta = -19^\circ 17'$		
						15 M.			1904		
						16 P.			July 18 Ei.Y.		
						17 L.			27 Ei.Y.		
						20 L.			1906		
						22 L.			June 29 Ei.Y.		
						24 P.			1907		
						25 L.			July 25 Ei.M.		
						27 L.			Mean.....		
						30 L.			Mag. corr.....		
						Sept. 7 M.			§ Sagittarii		
						8 P.			$\alpha = 18^h 51^m$		
						10 P.			$\delta = -21^\circ 14'$		
						12 P.			1903		
						15 M.			Sept. 7 L.		
						16 P.			12 L.		
						17 L.			14 L.		
						20 L.			16 L.		
						22 L.			19 L.		
						24 P.			22 L.		
						25 L.			24 L.		
						27 L.			28 L.		
						30 L.			1904		
						Sept. 7 M.			July 14 Ei.Y.		
						8 P.			16 Ei.Y.		
						10 P.			1905		
						12 P.			May 24 Ei.Y.		
						15 M.			1906		
						16 P.			July 7 Ei.Y.		
						17 L.			1907		
						20 L.			May 4 Hl.		
						22 L.			14 P.		
						24 P.			Mean.....		
						26 M.			Mag. corr.....		
						27 P.			[+0.035][+0.63]		
						28 L.			B. D. -20° 5339		
						30 L.			$\alpha = 18^h 51^m$		
						Sept. 7 M.			$\delta = -20^\circ 47'$		
						8 P.			1904		
						10 P.			July 6 Ei.Y.		
						12 P.			11 Ei.Y.		
						15 M.			1905		
						16 P.			June 8 Ei.Y.		
						17 L.			1906		
						20 L.			Aug. 30 Ei.Y.		
						22 L.			Mean.....		
						24 P.			Mag. corr.....		
						25 L.			B. D. -19° 5242		
						27 L.			$\alpha = 18^h 51^m$		
						30 L.			$\delta = -19^\circ 17'$		
						Sept. 7 M.			1904		
						8 P.			July 18 Ei.Y.		
						10 P.			27 Ei.Y.		
						12 P.			1906		
						15 M.			June 29 Ei.Y.		
						16 P.			1907		
						17 L.			July 25 Ei.M.		
						20 L.			Mean.....		
						22 L.			Mag. corr.....		
						24 P.			§ Sagittarii		
						25 L.			$\alpha = 18^h 51^m$		
						27 L.			$\delta = -21^\circ 14'$		
						30 L.			1903		
						Sept. 7 M.			Sept. 7 L.		
						8 P.			12 L.		
						10 P.			14 L.		
						12 P.			16 L.		
						15 M.			19 L.		
						16 P.			22 L.		
						17 L.			24 L.		
						20 L.			28 L.		
						22 L.			1904		
						24 P.			July 14 Ei.Y.		
						26 M.			16 Ei.Y.		
						27 P.			1905		
						28 L.			May 24 Ei.Y.		
						30 L.			1906		
						Sept. 7 M.			July 7 Ei.Y.		
						8 P.			1907		
						10 P.			May 4 Hl.		
						12 P.			14 P.		
						15 M.			Mean.....		
						16 P.			Mag. corr.....		
						17 L.			[+0.035][+0.63]		
						20 L.			B. D. -20° 5339		
						22 L.			$\alpha = 18^h 51^m$		
						24 P.			$\delta = -20^\circ 47'$		
						25 L.			1904		
						27 L.			July 6 Ei.Y.		
						30 L.			11 Ei.Y.		
						Sept. 7 M.			1905		
						8 P.			June 8 Ei.Y.		
						10 P.			1906		
						12 P.			Aug. 30 Ei.Y.		
						15 M.			Mean.....		
						16 P.			Mag. corr.....		
						17 L.			B. D. -19° 5242		
						20 L.			$\alpha = 18^h 51^m$		
						22 L.			$\delta = -19^\circ 17'$		
						24 P.			1904		
						25 L.			July 18 Ei.Y.		
						27 L.			27 Ei.Y.		
						30 L.			1906		
						Sept. 7 M.			June 29 Ei.Y.		
						8 P.			1907		
						10 P.			July 25 Ei.M.		
						12 P.			Mean.....		
						15 M.			Mag. corr.....		
						16 P.			§ Sagittarii		
						17 L.			$\alpha = 18^h 51^m$		
						20 L.			$\delta = -21^\circ 14'$		
						22 L.			1903		
						24 P.			Sept. 7 L.		
						25 L.			12 L.		
						27 L.			14 L.		
						30 L.			16 L.		
						Sept. 7 M.			19 L.		
						8 P.			22 L.		
						10 P.			24 L.		
						12 P.			28 L.		
						15 M.			1904		
						16 P.			July 14 Ei.Y.		
						17 L.			16 Ei.Y.		
						20 L.			1905		
						22 L.			May 24 Ei.Y.		
						24 P.			1906		
						25 L.			July 7 Ei.Y.		
						27 L.			1907		
						30 L.			May 4 Hl.		
						Sept. 7 M.			14 P.		
						8 P.			Mean.....		
						10 P.			Mag. corr.....		
						12 P.			[+0.035][+0.63]		
						15 M.			B. D. -20° 5339		
						16 P.			$\alpha = 18^h 51^m$		
						17 L.			$\delta = -20^\circ 47'$		
						20 L.			1904		
						22 L.			July 6 Ei.Y.		
						24 P.			11 Ei.Y.		
						25 L.			1905		
						27 L.			June 8 Ei.Y.		
						30 L.			1906		
						Sept. 7 M.			Aug. 30 Ei.Y.		
						8 P.			Mean.....		
						10 P.			Mag. corr.....		
						12 P.			B. D. -19° 5242		
						15 M.			$\alpha = 18^h 51^m$		
						16 P.			$\delta = -19^\circ 17'$		
						17 L.			1904		
						20 L.			July 18 Ei.Y.		
						22 L.			27 Ei.Y.		
						24 P.			1906		
						25 L.			June 29 Ei.Y.		
						27 L.			1907		
						30 L.			July 25 Ei.M.		
						Sept. 7 M.			Mean.....		
						8 P.			Mag. corr.....		
						10 P.			§ Sagittarii		
						12 P.			$\alpha = 18^h 51^m$		
						15 M.			$\delta = -21^\circ 14'$		
						16 P.			1903		
						17 L.			Sept. 7 L.		
						20 L.			12 L.		
						22 L.			14 L.		
						24 P.			16 L.		
						25 L.			19 L.		
						27 L.			22 L.		
						30 L.			24 L.		
						Sept. 7 M.			28 L.		
						8 P.			1904		
						10 P.			July 14 Ei.Y.		
						12 P.			16 Ei.Y.		
						15 M.			1905		
						16 P.			May 24 Ei.Y.		
						17 L.			1906		
						20 L.			July 7 Ei.Y.		
						22 L.			1907		
						24 P.			May 4 Hl.		
						25 L.			14 P.		
						27 L.			Mean.....		
						30 L.			Mag. corr.....		
						Sept. 7 M.			[+0.035][+0.63]		
						8 P.			B. D. -20° 5339		
			</								

1907			C. P. D. -26° 6610			1907			v Draconis		
Sept. 12 M.P.	s	"	$\alpha = 18^h 54^m$			July 21 Hl.	-0.01	+1.7 E.	$\alpha = 18^h 55^m$		
16 M.	45.92	16.2 E.	$\delta = -26^\circ 19'$			27 P.	-0.02	+0.9	$\delta = +71^\circ 9'$		
20 P.	45.97	17.3				29 M.	+0.01				
1909			1904			1905			1907		
May 9 M.	s	"	June 13 Ei.Y.	4.65	10.2 W.	Aug. 18 P.	-0.06	+1.4	June 9 Hl.	37.37	49.4 E.
July 1 M.	.....	16.8	14 Ei.Y.	4.69	10.3 W.	22 P.	+0.02	+1.0	1907		
2 P.	45.93	17.3	1905			Sept. 10 Ei.M.	+0.03	+0.8	Aug. 7 Hl.	37.68	50.1
3 L.	45.94	16.4	May 19 Ei.Y.	4.62	10.3 E.	16 M.	+0.04	+1.2	30 Hl.	37.61	49.7
Aug. 26 P.	45.98	16.9 E.	1906			20 P.	+0.08	+0.4	31 M.	37.54	49.4
Mean.....	45.934	16.61	June 29 Ei.Y.	4.63	10.3 W.	21 M.	+0.04	+0.6 E.	Sept. 12 M.P.	37.60	50.0 E.
Mag. corr.....	-0.003		Mean.....	4.648	10.28	1908			1908		
C. P. D. -25° 6642			Mag. corr.....	-0.003		July 28 Fk.	+0.01	+1.0 W.	June 2 Fk.	37.43	49.2 W.
$\alpha = 18^h 52^m$			C. P. D. -25° 6653			Aug. 1 Fk.	-0.01	+0.5	5 Fk.	37.51	49.1
$\delta = -25^\circ 0'$			$\alpha = 18^h 54^m$			3 P.	+0.07	+1.0	Aug. 9 Fk.	37.46	49.1
1904			$\delta = -25^\circ 4'$			4 Fk.	+0.01		19 Fk.	37.56	49.4
May 28 Ei.Y.	s	"	1904			10 P.	+0.04	+1.2	20 P.	37.45	49.5 W.
June 8 Ei.Y.	12.75	34.1 W.	July 6 Ei.Y.	16.60	51.2 W.	18 P.	+0.06	+1.1	Mean.....	37.521	49.49
1905			11 Ei.Y.	16.65	51.8 W.	31 M.	+0.02	+1.2	Mag. corr.....	+0.001	
June 18 Ei.Y.	12.69	35.3 E.	1905			Sept. 7 M.	+0.03	+1.2	v Draconis s. P.		
1906			June 8 Ei.Y.	16.67	50.7 E.	18 P.	-0.06		$\alpha = 18^h 55^m$		
June 11 Ei.Y.	12.71	33.7 W.	1906			21 M.	+0.03	+1.2	$\delta = +71^\circ 9'$		
Mean.....	12.718	34.45	Aug. 30 Ei.Y.	16.70	52.1 W.	22 P.	+0.06	+1.2	1904		
Mag. corr.....	+0.016		Mean.....	16.655	51.45	23 Fk.	+0.02	+0.6	Oct. 30 M.	37.59	49.7 E.
R Lyrae			Mag. corr.....	+0.019		25 P.	+0.01	+0.7 W.	Nov. 1 M.	37.43	48.5 E.
$\alpha = 18^h 52^m 17^s.568$			B. D. +53° 2154			1909			1905		
$\delta = +43^\circ 48' 52''.04$			$\alpha = 18^h 54^m$			June 14 L.	+0.05	-0.1 E.	Oct. 30 Br.	37.63	48.7 W.
1907			$\delta = +53^\circ 13'$			1910			Nov. 22 Hl.	37.61	50.0
June 16 M.	-0.03	-0.1 E.	1907			May 4 M.	+0.10	+0.5	1906		
Sept. 11 Hl.	+0.01	0.0	May 12 M.	21.45	31.9 E.	5 P.	+0.01	+1.4	Feb. 16 Br.	37.55	49.4 W.
13 Hl.M.	+0.02	+0.3	28 P.	21.43	31.9 E.	9 P.	-0.08	+1.1	1907		
14 P.M.	-0.15	+1.1	Mean.....	21.440	31.90	19 P.	+0.04	+0.5	Nov. 7 Hl.	37.55	49.5 E.
15 Hl.P.	-0.08	+0.4 E.	Mag. corr.....	-0.011		23 M.	+0.03	+1.1	1908		
1908			B. D. -17° 5409			June 22 M.	-0.01	+0.7	Jan. 17 M.P.	37.50	47.8
June 11 P.	+0.06	-0.1 W.	$\alpha = 18^h 54^m$			23 L.	-0.02	+0.7	18 P.M.	37.53	48.1 E.
12 Fk.	-0.06	+0.3	$\delta = -17^\circ 37'$			24 M.	-0.01	+1.2	Nov. 5 P.	37.75	48.5 W.
13 P.	+0.06	+0.1	1904			26 M.	+0.03	+0.6	10 L.	37.50	49.0 W.
15 P.	+0.04	+0.1	July 18 Ei.Y.	37.06	20.4 W.	Aug. 3 M.	+0.04	+1.4	Mean.....	37.564	48.92
16 Fk.	0.00	0.0 W.	27 Ei.Y.	37.10	20.4	13 L.	-0.02	+0.6	Mag. corr.....	+0.001	
Mean.....	-0.013	+0.21	1906			30 L.	+0.03	+1.2	γ Lyrae		
Mag. corr.....	+0.002		July 25 Ei.M.	37.04	19.5 E.	Oct. 1 L.	+0.03	+0.7 E.	$\alpha = 18^h 55^m 12^s.156$		
B. D. -18° 5155			Mean.....	37.070	20.08	1907			$\delta = +32^\circ 33' 8''.04$		
$\alpha = 18^h 53^m$			Mag. corr.....	+0.001		May 29 M.	+0.03	+0.5 E.	ζ Sagittarii		
$\delta = -18^\circ 42'$			ε Aquilæ			June 3 P.	-0.06	+0.3	$\alpha = 18^h 56^m 14^s.958$		
1904			$\alpha = 18^h 55^m 4^s.993$			17 P.	-0.03	+0.1	$\delta = -30^\circ 1' 23''.62$		
June 17 Ei.Y.	s	"	$\delta = +14^\circ 55' 55''.77$			Aug. 13 P.	-0.08	+0.1	1903		
22 Ei.Y.	35.75	6.0 W.	1904			29 M.	+0.08	+0.8 E.	Sept. 7 L.	+0.06	+2.0 W.
1905			May 1 R.	+0.03	+0.8 W.	1908			12 L.	+0.12	+1.2
June 1 Ei.Y.	35.74	7.0 E.	12 Br.	+0.02	+1.2	May 24 M.	+0.05	+0.6 W.	14 L.	+0.05	+1.0
1906			June 6 R.	+0.04	..... W.	25 P.	+0.04	+0.2	16 L.	+0.04	+0.6
Aug. 23 Ei.Y.	35.72	5.7 W.	Sept. 7 Ei.Y.	+0.03	+0.9 E.	27 M.	+0.05	+0.6	22 L.	+0.12	+0.7
Mean.....	35.728	6.22	17 T.	+0.04	+0.3	June 8 P.	0.00	+0.3	24 L.	+0.11	+1.4
Mag. corr.....	+0.020		28 M.	+0.04	+0.6	15 P.	-0.05	+0.6 W.	28 L.	+0.11	+0.9
C. P. D. -28° 6740			1905			Mean.....			1904		
$\alpha = 18^h 53^m$			June 2 Hl.	+0.07	+0.1 E.	Mag. corr.....	-0.001	+0.41	May 2 Br.	+0.07	+2.3
$\delta = -28^\circ 11'$			Aug. 21 M.	+0.01	+0.9 W.	B. D. -22° 4946			24 R.	+0.06	+1.5
1904			22 Br.	+0.04	+0.9	$\alpha = 18^h 55^m$			28 Ei.Y.	+0.06	+1.4
June 8 Ei.Y.	s	"	26 Hl.	0.00	+0.4	$\delta = -22^\circ 50'$			June 13 Ei.Y.	+0.03	+2.2
23 Ei.Y.	43.41	12.3 W.	1906			1904			15 R.	+0.04	+1.3 W.
1906			June 24 Hl.	+0.03	.....	July 14 Ei.Y.	36.07	10.2 W.	1905		
Aug. 15 Ei.Y.	43.52	12.3 W.	25 Ei.Y.	+0.03	+0.9	16 Ei.Y.	36.16	10.4 W.	June 18 Ei.Y.	+0.11	+0.8 E.
1907			Sept. 25 P.	+0.15	+2.3 W.	1905			1906		
July 16 Ei.M.	43.47	13.0 E.	1907			May 24 Ei.Y.	36.08	10.0 E.	June 11 Ei.Y.	+0.07	+1.8 W.
Mean.....	43.452	12.62	May 9 Hl.	-0.01	+0.7 E.	1906			1907		
Mag. corr.....	+0.003		13 Hl.	+0.07	+0.6	July 7 Ei.Y.	36.04	10.0 W.	June 6 M.	+0.10	+0.8 E.
			June 14 P.	-0.01	+1.1	Mean.....			Sept. 6 Hl.	+0.12	+1.7
			24 Hl.	+0.10	+0.4 E.	Mag. corr.....	+0.020		13 Hl.M.	+0.03	+0.9
									14 P.M.	+0.11	+2.0
									15 Hl.P.	+0.08	+0.9 E.
									Mean.....	+0.078	+1.34
									Mag. corr.....	+0.002	

C. P. D. -25° 6667			1905			τ Sagittarii			1910		
α = 18 ^h 56 ^m			May 24 Ei.Y. 12.18 35.6 E.			α = 19 ^h 0 ^m			May 4 M. +0.07 +0.6 E.		
δ = -24° 59'			1906			δ = -27° 48'			5 P. +0.02 +0.9		
1904			July 7 Ei.Y. 12.17 35.5 W.			1904			9 P. +0.09 +0.8		
June 17 Ei.Y. 20.51 4.9 W.			Mean..... 12.192 35.80			Aug. 3 Ei.Y. 41.82 60.8 W.			19 P. +0.04 +0.3		
22 Ei.Y. 20.45 5.8 W.			Mag. corr..... +0.012			6 Ei.Y. 41.83 61.0 W.			23 M. +0.08 +1.0		
1905			B. D. -21° 5233			1905			June 22 M. +0.01 +0.8		
June 1 Ei.Y. 20.46 6.0 E.			α = 18 ^h 58 ^m			June 8 Ei.Y. 41.81 60.2 E.			24 M. +0.03 +0.8		
1906			δ = -21° 40'			1906			July 21 P. +0.02 +0.7		
Aug. 23 Ei.Y. 20.46 5.4 W.			1904			Aug. 30 Ei.Y. 41.93 59.9 W.			28 M. +0.02 +0.4		
Mean..... 20.470 5.52			May 28 Ei.Y. 21.43 39.0 W.			Sept. 25 P. 41.89 61.0 W.			30 M. +0.01 +1.2		
Mag. corr..... -0.007			June 23 Ei.Y. 21.41 39.1 W.			1907			Aug. 3 M. +0.04 +0.6		
B. D. -19° 5273			1905			May 13 Hl. 41.88 60.3 E.			11 L. +0.05 +0.4 E.		
α = 18 ^h 57 ^m			June 18 Ei.Y. 21.45 39.8 E.			June 3 P. 41.88 62.2			Mean..... +0.043 +0.69		
δ = -19° 23'			June 11 Ei.Y. 21.39 38.9 W.			24 Hl. 41.98 61.5			Mag. corr..... 0.000		
1904			Mean..... 21.420 39.20			Aug. 13 P. 41.74 61.8			λ Aquilæ		
June 8 Ei.Y. 11.20 22.2 W.			Mag. corr..... +0.013			Sept. 12 M.P. 41.85 61.1 E.			α = 19 ^h 0 ^m 56 ^s .514		
18 Ei.Y. 11.22 23.0			B. D. -21° 5237			1908			δ = -5° 1' 57".59		
1906			α = 18 ^h 58 ^m			May 25 P. 41.86 61.5 W.			1903		
Aug. 15 Ei.Y. 11.21 22.1 W.			δ = -21° 53'			June 8 P. 41.88 61.3			Sept. 5 L. +0.02 -0.4 W.		
1907			1904			12 Fk. 41.90 60.8			7 L. +0.06 +0.8		
July 16 Ei.M. 11.22 22.9 E.			June 17 Ei.Y. 41.55 16.5 W.			20 P. 41.87 61.3 W.			10 L. +0.06 -0.3		
Mean..... 11.212 22.55			22 Ei.Y. 41.52 16.5 W.			Mean..... 41.866 61.05			12 L. +0.06 -0.4		
Mag. corr..... -0.010			1905			Mag. corr..... -0.002			14 L. +0.04 -0.1		
B. D. -19° 5275			June 1 Ei.Y. 41.53 16.8 E.			ζ Aquilæ			16 L. +0.04 -0.8		
α = 18 ^h 57 ^m			Aug. 23 Ei.Y. 41.53 16.3 W.			α = 19 ^h 0 ^m 48 ^s .825			1904		
δ = -19° 14'			Mean..... 41.532 16.52			δ = +13° 42' 52".09			May 24 R. +0.01 +0.7		
1904			Mag. corr..... -0.009			1903			June 15 R. +0.05 0.0		
June 13 Ei.Y. 14.71 49.7 W.			B. D. +53° 2168			Sept. 22 L. +0.03 +0.2 W.			18 Ei.Y. +0.08 0.0		
14 Ei.Y. 14.71 50.3 W.			α = 18 ^h 58 ^m			23 R. +0.06 +0.8			23 Ei.Y. +0.04 +0.6		
1905			δ = +53° 8'			24 L. +0.02 +0.7			July 6 Ei.Y. +0.06 +0.2		
May 19 Ei.Y. 14.65 50.3 E.			1907			26 L. +0.08 +0.5			11 Ei.Y. +0.07 +0.3 W.		
1906			May 14 P. 49.49 35.7 E.			28 L. +0.11 +0.4			Sept. 10 Ei.Y. +0.04 -0.8 E.		
June 29 Ei.Y. 14.69 51.1 W.			20 Hl. 49.48 35.6 E.			30 L. 0.00 +0.4			17 T. +0.06 -0.8		
Mean..... 14.690 50.35			Mean..... 49.485 35.65			1904			1905		
Mag. corr..... +0.020			Mag. corr..... +0.001			May 12 Br. +0.04 +1.5			May 19 Ei.Y. +0.11 +0.8 E.		
B. D. -20° 5381			C. P. D. -26° 6635			June 6 R. +0.05 ...			1906		
α = 18 ^h 57 ^m			α = 18 ^h 59 ^m			Aug. 19 Hl. +0.06 ...			Sept. 6 Ei.Y. +0.08 +0.1 W.		
δ = -20° 16'			δ = -26° 17'			1905			11 Ei.Y. +0.05 -0.2 W.		
1904			1904			1906			1907		
July 6 Ei.Y. 38.26 25.4 W.			June 8 Ei.Y. 0.62 15.2 W.			June 24 Hl. +0.01 ...			May 12 M. +0.06 +0.6 E.		
11 Ei.Y. 38.36 24.9 W.			July 29 Ei.Y. 0.59 15.4			July 21 Bs. +0.02 ...			28 P. -0.05 0.0		
1905			Aug. 15 Ei.Y. 0.73 16.0 W.			26 Bs. 0.00 ...			July 21 Hl. +0.04 0.0		
June 8 Ei.Y. 38.31 24.7 E.			1907			28 Bs. +0.04 ...			26 Hl. +0.07 +0.1		
1906			July 16 Ei.M. 0.61 15.7 E.			Aug. 11 Hl. +0.07 ...			29 M. +0.05 +1.1		
Aug. 30 Ei.Y. 38.23 25.4 W.			Mean..... 0.638 15.58			Sept. 4 Br. +0.06 +0.2 W.			30 Hl. 0.00 +0.2		
Mean..... 38.290 25.10			Mag. corr..... +0.007			1907			31 M. +0.05 0.0		
Mag. corr..... +0.005			B. D. -15° 5223			May 4 Hl. +0.03 +0.4 E.			Sept. 6 Hl. +0.05 +1.0		
C. P. D. -24° 6583			α = 18 ^h 59 ^m			June 6 M. +0.10 +0.3			7 M. +0.02 +1.2		
α = 18 ^h 57 ^m			δ = -15° 48'			14 P. +0.11 +0.2			20 P. +0.08 +0.1 E.		
δ = -24° 4'			1904			16 M. +0.05 +0.6			1908		
1904			June 8 Ei.Y. 57.60 38.9 W.			17 P. -0.02 +0.7			June 2 Fk. +0.01 -0.2 W.		
July 18 Ei.Y. 42.71 41.3 W.			July 29 Ei.Y. 57.59 38.7 W.			July 27 P. +0.05 +0.4			7 M. +0.08 -0.5		
27 Ei.Y. 42.74 42.2			Aug. 15 Ei.Y. 0.73 16.0 W.			30 Hl. +0.10 +0.3			15 P. +0.05 +0.4		
1906			1907			Aug. 18 P. -0.02 +1.3			18 P. +0.08 +0.4		
June 25 Ei.Y. 42.76 42.2 W.			July 16 Ei.M. 0.61 15.7 E.			22 P. +0.04 +0.9			Sept. 21 M. +0.05 +0.2		
1907			Mean..... 0.638 15.58			Sept. 13 Hl.M. +0.03 +0.4			22 P. +0.08 +0.2		
July 25 Ei.M. 42.70 41.8 E.			Mag. corr..... +0.007			14 P.M. +0.02 +1.2			23 Fk. +0.04 -0.1 W.		
Mean..... 42.728 41.88			B. D. -15° 5223			15 Hl.P. +0.05 +1.3			1909		
Mag. corr..... -0.001			α = 18 ^h 59 ^m			16 M. +0.04 +1.3			Aug. 9 L. +0.05 0.0 E.		
C. P. D. -23° 7360 (fol.)			δ = -15° 48'			21 M. +0.05 +0.6 E.			Sept. 14 P. +0.04 +0.2		
α = 18 ^h 58 ^m			1904			1908			1910		
δ = -23° 2'			June 14 Ei.Y. 57.60 38.9 W.			June 5 Fk. +0.02 +0.2 W.			July 19 L. +0.08 +0.2		
1904			Aug. 3 Ei.Y. 57.59 38.7 W.			Aug. 10 P. +0.04 +1.4			Aug. 6 L. +0.01 +0.4		
July 14 Ei.Y. 12.19 36.0 W.			Sept. 7 Ei.Y. 57.57 39.0 E.			18 P. +0.08 +1.0			19 L. +0.09 +0.4		
16 Ei.Y. 12.23 36.1 W.			1906			29 M. +0.07 +0.4			Sept. 8 P. 0.00 0.0		
			June 29 Ei.Y. 57.58 38.9 W.			31 M. +0.04 +1.3			22 L. +0.07 +0.7		
			Mean..... 57.585 38.88			Sept. 3 M. +0.03 +0.4			Oct. 1 L. +0.07 +0.1		
			Mag. corr..... -0.009			7 M. +0.02 +1.1			10 M. +0.08 -0.2 E.		
			B. D. -15° 5223			18 P. +0.01 ...			Mean..... +0.051 +0.14		
			α = 18 ^h 59 ^m			25 P. +0.08 +0.3 W.			Mag. corr..... -0.003		
			δ = -15° 48'			1909					
			1904			June 14 L. +0.04 +0.6 E.					
			June 14 Ei.Y. 57.60 38.9 W.								
			Aug. 3 Ei.Y. 57.59 38.7 W.								
			Sept. 7 Ei.Y. 57.57 39.0 E.								
			1906								
			June 29 Ei.Y. 57.58 38.9 W.								
			Mean..... 57.585 38.88								
			Mag. corr..... -0.009								

B. D. -16° 5153 (south)			1904			1905			C. P. D. -28° 6805		
$\alpha = 19^h 1^m$			Sept. 10 Ei.Y. 24.23 48.3 E.			Aug. 21 M. +0.03 +0.3 W.			$\alpha = 19^h 4^m$		
$\delta = -16^\circ 22'$			1906			22 Br. +0.05 +0.7			$\delta = -28^\circ 41'$		
1904			June 29 Ei.Y. 24.26 48.8 W.			26 Hl. -0.04 +0.6 W.			1904		
July 18 Ei.Y. 7.19 56.5 W.			Mean..... 24.218 48.25			1907			June 8 Ei.Y. 54.86 47.1 W.		
27 Ei.Y. 7.22 56.1			Mag. corr..... -0.003			July 31 P. -0.04 0.0 E.			14 Ei.Y. 54.85 48.8		
1906			C. P. D. -25° 6700			Aug. 8 P. -0.03 +1.0			1906		
June 25 Ei.Y. 7.16 56.2 W.			$\alpha = 19^h 2^m$			13 P. -0.09 +0.8 E.			Sept. 11 Ei.Y. 54.85 48.6 W.		
1907			$\delta = -25^\circ 14'$			1908			1907		
July 25 Ei.M. 7.15 56.1 E.			1904			May 28 P. -0.04 +0.1 W.			July 16 Ei.M. 54.85 48.2 E.		
Mean..... 7.180 56.22			June 18 Ei.Y. 39.31 12.4 W.			June 1 P. -0.06 +0.9 W.			Mean..... 54.852 48.18		
Mag. corr..... +0.024			23 Ei.Y. 39.28 12.0 W.			Mean..... -0.031 +0.49			Mag. corr..... 0.000		
C. P. D. -28° 6781			1905			Mag. corr..... 0.000			B. D. -21° 5292		
$\alpha = 19^h 1^m$			June 8 Ei.Y. 39.30 11.7 E.			π Sagittarii			$\alpha = 19^h 6^m$		
$\delta = -28^\circ 47'$			1906			$\alpha = 19^h 3^m 49^s.031$			$\delta = -21^\circ 49'$		
1904			Aug. 30 Ei.Y. 39.33 12.0 W.			$\delta = -21^\circ 10' 57''.70$			1904		
July 14 Ei.Y. 13.14 27.4 W.			Mean..... 39.305 12.02			1904			June 13 Ei.Y. 29.59 25.3 W.		
16 Ei.Y. 13.12 27.6 W.			Mag. corr..... +0.014			May 2 Br. +0.08 +1.3 W.			14 Ei.Y. 29.60 26.2 W.		
1905			C. P. D. -23° 7376			13 M. +0.04 +0.8			Sept. 7 Ei.Y. 29.57 25.7 E.		
May 24 Ei.Y. 13.07 27.6 E.			$\alpha = 19^h 2^m$			28 Ei.Y. +0.02 +1.4			1906		
1906			$\delta = -23^\circ 20'$			June 13 Ei.Y. 0.00 +1.5 W.			June 29 Ei.Y. 29.56 26.0 W.		
July 7 Ei.Y. 13.12 26.5 W.			1904			June 18 Ei.Y. +0.04 +0.6 E.			Mean..... 29.580 25.80		
Mean..... 13.112 27.28			July 18 Ei.Y. 41.94 50.4 W.			Aug. 17 M. +0.07 +0.6 W.			Mag. corr..... +0.019		
Mag. corr..... +0.021			27 Ei.Y. 41.97 50.3			18 Br. +0.8			B. D. +38° 3462		
B. D. -18° 5206			1906			29 Br. +0.07 +0.1			$\alpha = 19^h 7^m$		
$\alpha = 19^h 1^m$			June 25 Ei.Y. 41.94 49.9 W.			30 Hl. +0.12 +0.6			$\delta = +38^\circ 23'$		
$\delta = -18^\circ 53'$			1907			1906			1906		
1904			July 25 Ei.M. 41.91 49.8 E.			June 11 Ei.Y. +0.02 +1.0 W.			July 19 Bs. 1.12 W.		
May 28 Ei.Y. 17.24 28.9 W.			Mean..... 41.940 50.10			1907			21 Bs. 1.16		
June 8 Ei.Y. 17.21 29.0 W.			Mag. corr..... +0.017			May 13 Hl. +0.04 +0.8 E.			26 Bs. 1.16		
1905			B. D. -22° 4992			June 6 M. +0.10 +1.2			Aug. 31 Br. 1.11 50.3		
June 18 Ei.Y. 17.20 30.1 E.			$\alpha = 19^h 3^m$			16 M. +0.07 +0.2			Sept. 4 Br. 1.16 49.7		
1906			$\delta = -22^\circ 32'$			July 21 Hl. +0.03 +0.3			1908		
June 11 Ei.Y. 17.21 28.9 W.			1904			30 Hl. +0.09 +0.4			July 28 Fk. 1.12 50.6		
Mean..... 17.215 29.22			July 14 Ei.Y. 30.61 12.1 W.			1909			29 P. 1.09 50.0		
Mag. corr..... +0.019			16 Ei.Y. 30.61 11.6 W.			May 9 M. -0.2			Aug. 1 Fk. 1.08 49.7		
B. D. -17° 5478			1905			June 14 L. +0.09 -0.1			3 P. 1.10 50.5		
$\alpha = 19^h 1^m$			May 24 Ei.Y. 30.65 11.6 E.			15 M. -0.5			4 Fk. 1.15 50.2		
$\delta = -17^\circ 23'$			1906			16 L. +0.04 +0.2			10 P. 1.05 49.9		
1904			July 7 Ei.Y. 30.65 11.9 W.			23 L. +0.13 +0.4			11 Fk. 1.07 50.0		
June 17 Ei.Y. 31.18 45.4 W.			Mean..... 30.630 11.80			24 M. +0.07 +0.9			18 P. 1.12 50.2		
22 Ei.Y. 31.15 45.1 W.			Mag. corr..... -0.009			July 3 L. +0.09 +1.7			29 M. 1.17 50.1		
1905			17 Lyræ			27 P. +0.05 +0.1			31 M. 1.08 50.2		
June 1 Ei.Y. 31.22 46.5 E.			$\alpha = 19^h 3^m$			Aug. 2 L. +0.07 +0.9			Sept. 3 M. 1.13 50.4		
1906			$\delta = +32^\circ 20'$			4 L. +0.04 +0.7			7 M. 1.14 50.5 W.		
Aug. 23 Ei.Y. 31.12 45.6 W.			1905			6 L. +0.03 -0.2			Mean..... 1.118 50.16		
Mean..... 31.168 45.65			June 9 Hl. 38.78 38.5 E.			27 L. +0.09 -0.2			Mag. corr..... 0.000		
Mag. corr..... +0.008			1907			1910			C. P. D. -26° 6685		
C. P. D. -24° 6603			May 9 Hl. 38.78 39.0			Apr. 30 P. +0.11 +0.6			$\alpha = 19^h 7^m$		
$\alpha = 19^h 2^m$			14 P. 38.65 37.6			May 27 L. +0.09 +0.9			$\delta = -26^\circ 4'$		
$\delta = -24^\circ 48'$			Aug. 6 P. 38.72 38.8			June 21 P. +0.13 +0.8			1904		
1904			7 Hl. 38.78 38.9 E.			23 L. +0.07 +0.5			June 18 Ei.Y. 4.18 27.3 W.		
June 8 Ei.Y. 8.04 46.6 W.			1908			Aug. 5 M. +0.17 +1.0			23 Ei.Y. 4.19 27.2 W.		
Aug. 6 Ei.Y. 8.02 47.8			May 17 M. 38.78 38.3 W.			6 L. +0.07 +0.7			1905		
1906			23 P. 38.69 38.8			Sept. 10 P. +0.02 -0.3			June 8 Ei.Y. 4.16 26.6 E.		
Aug. 15 Ei.Y. 8.10 47.0 W.			24 M. 38.76 38.3			Oct. 10 M. +0.06 -0.4			1906		
1907			26 Fk. 38.84 38.8			Nov. 7 M. [+0.01] ... E.			Aug. 30 Ei.Y. 4.23 26.7 W.		
July 16 Ei.M. 8.06 47.9 E.			27 M. 38.75 39.1 W.			Mean..... +0.069 +0.55			Mean..... 4.190 26.95		
Mean..... 8.055 47.32			Mean..... 38.753 38.61			Mag. corr..... 0.000			Mag. corr..... +0.024		
Mag. corr..... +0.021			Lyræ			B. D. -20° 5415			C. P. D. -27° 6662		
B. D. -19° 5312			$\alpha = 19^h 3^m 44^s.023$			$\alpha = 19^h 3^m$			$\alpha = 19^h 7^m$		
$\alpha = 19^h 2^m$			$\delta = +35^\circ 56' 35''.65$			$\delta = -19^\circ 57'$			$\delta = -27^\circ 2'$		
$\delta = -19^\circ 26'$			1904			1904			1904		
1904			June 24 M. -0.07 +0.3 W.			June 17 Ei.Y. 54.36 41.0 W.			July 18 Ei.Y. 44.27 35.0 W.		
June 13 Ei.Y. 24.20 47.7 W.			Sept. 28 M. -0.06 +0.3 E.			22 Ei.Y. 54.28 40.9 W.			27 Ei.Y. 44.33 35.7		
14 Ei.Y. 24.18 48.2 W.			Oct. 3 M. +0.01 +0.4 E.			1905			1906		
						June 1 Ei.Y. 54.33 42.5 E.			June 25 Ei.Y. 44.37 35.3 W.		
						1906					
						Aug. 23 Ei.Y. 54.33 40.9 W.					
						Mean..... 54.325 41.32					
						Mag. corr..... +0.020					

1907			1906			1909			1906		
July 25 Ei.M.	44.29	.... E.	Sept. 6 Ei.Y.	3.39	6.0 W.	July 3 L.	+0.10	+1.4 E.	June 25 Ei.Y.	31.79	33.6 W.
Sept. 10 Ei.M.	44.32	35.4 E.	Mean.....	3.355	6.35	30 M.	+0.02	+1.7	1907		
Mean.....	44.316	35.35	Mag. corr.....	+0.007		Aug. 27 L.	+0.06	+0.7	July 25 Ei.M.	31.78	33.2 E.
Mag. corr.....	+0.012					Sept. 24 M.	+0.07	+1.1	Mean.....	31.768	33.70
19 Lyrae			55 Draconis			1910			Mag. corr.....	+0.005	
$\alpha = 19^h 7^m$			$\alpha = 19^h 9^m$			Apr. 30 P.	+0.12	+1.1	22 Aquilae		
$\delta = +31^\circ 6'$			$\delta = +65^\circ 48'$			May 26 P.	+0.10	+0.4	$\alpha = 19^h 11^m$		
1903			1906			27 L.	+0.13	+1.7	$\delta = +4^\circ 39'$		
Sept. 5 L.	55.91	59.5 W.	Sept. 25 P.	23.33	40.5 W.	June 24 M.	+0.16	+1.1	1905		
7 L.	55.90	59.9	1907			July 20 M.	+0.08	+0.8	May 28 Hl.	34.13	30.2 E.
10 L.	55.94	59.5	May 12 M.	23.41	40.4 E.	21 P.	+0.08	+1.4	June 2 Hl.	34.13	30.6
12 L.	55.97	59.4	June 16 M.	23.33	40.5	22 M.	+0.05	+0.8	1907		
14 L.	55.95	59.2	Aug. 6 P.	23.36	41.2	Sept. 10 P.	+0.06	+0.9	May 20 Hl.	34.06	30.7
16 L.	55.93	59.2	7 Hl.	23.48	41.3	12 P.	+0.08	+0.4	June 3 P.	34.09	29.8
19 L.	55.89	59.4	8 P.	23.51	40.4 E.	Oct. 10 M.	+0.05	+1.7 E.	21 P.	34.03	30.6
1904			1908			Mean.....	+0.069	+0.82	Sept. 21 M.	34.15	30.4 E.
May 11 R.	55.89	.... W.	May 25 P.	23.44	41.3 W.	Mag. corr.....	+0.001		1908		
1907			27 M.	23.37	41.2	C. P. D. $-24^\circ 6650$			June 5 Fk.	34.12	30.3 W.
May 9 Hl.	55.85	60.1 E.	28 P.	23.52	40.6	$\alpha = 19^h 9^m$			7 M.	34.17	30.6
14 P.	55.80	59.8	June 1 P.	23.43	41.4	$\delta = -24^\circ 20'$			8 P.	34.14	30.8
20 Hl.	55.84	59.1	2 Fk.	23.34	40.9 W.	1904			11 P.	34.23	30.4 W.
28 P.	55.81	59.3	Mean.....	23.411	40.88	June 8 Ei.Y.	27.82	58.2 W.	Mean.....	34.125	30.44
June 14 P.	55.92	59.6 E.	Mag. corr.....	+0.009		Aug. 3 Ei.Y.	27.76	59.3	Mag. corr.....	-0.001	
Mean.....	55.892	59.50	55 Draconis s. p.			1906			d Sagittarii		
Mag. corr.....	-0.002		$\alpha = 19^h 9^m$			Aug. 15 Ei.Y.	27.85	58.6 W.	$\alpha = 19^h 11^m 47^s.054$		
B. D. $-22^\circ 5021$			$\delta = +65^\circ 48'$			1907			$\delta = -19^\circ 7' 51''.42$		
$\alpha = 19^h 8^m$			1904			July 16 Ei.M.	27.82	59.8 E.	1903		
$\delta = -22^\circ 13'$			Oct. 16 M.	23.41	40.7 E.	Mean.....	27.812	58.98	Sept. 26 L.	+0.08	+0.6 W.
1904			26 Y.	23.24	42.3	B. D. $-20^\circ 5464$			30 L.	+0.03	+0.3
July 14 Ei.Y.	9.59	49.4 W.	27 Br.	23.42	42.5	$\alpha = 19^h 9^m$			1904		
16 Ei.Y.	9.60	48.8 W.	28 Y.	23.40	42.5	$\delta = -19^\circ 57'$			May 11 R.	+0.04	+1.1
1905			30 M.	23.60	41.5 E.	1904			12 Br.	+0.07	+0.6
May 24 Ei.Y.	9.55	49.0 E.	1905			June 13 Ei.Y.	32.97	32.9 W.	28 Ei.Y.	+0.05	+0.9
1906			Nov. 22 Hl.	23.42	39.8 W.	14 Ei.Y.	32.98	33.0 W.	June 6 R.	+0.01	...
July 7 Ei.Y.	9.61	48.9 W.	1908			Sept. 7 Ei.Y.	33.01	33.4 E.	8 Ei.Y.	+0.03	+0.7
Mean.....	9.588	49.02	Oct. 29 P.	23.40	41.9	1906			13 Ei.Y.	+0.02	+1.3
Mag. corr.....	+0.013		30 L.	23.43	39.8	June 29 Ei.Y.	32.96	33.9 W.	14 Ei.Y.	+0.09	+1.1
21 Aquilae			Nov. 5 P.	23.61	40.6	Mean.....	32.980	33.30	17 Ei.Y.	+0.01	+0.4
$\alpha = 19^h 8^m$			12 P.	23.56	42.4 W.	Mag. corr.....	+0.005		18 Ei.Y.	+0.04	+0.1
$\delta = +2^\circ 7'$			Mean.....	23.449	41.40	B. D. $-16^\circ 5220$			22 Ei.Y.	+0.02	+0.5
1903			Mag. corr.....	+0.010		$\alpha = 19^h 9^m$			23 Ei.Y.	+0.01	+1.1
Sept. 22 L.	40.21	24.9 W.	ψ Sagittarii			$\delta = -16^\circ 16'$			6 Ei.Y.	+0.02	+0.6
23 R.	40.23	25.6	$\alpha = 19^h 9^m 24^s.578$			1904			11 Ei.Y.	+0.02	+0.6
24 L.	40.21	24.9	$\delta = -25^\circ 25' 45''.03$			June 18 Ei.Y.	41.94	18.4 W.	14 Ei.Y.	+0.06	+0.4
26 L.	40.14	25.2	1904			23 Ei.Y.	41.85	18.1 W.	16 Ei.Y.	-0.01	+0.6
28 L.	40.22	25.5	June 17 Ei.Y.	+0.01	+0.5 W.	1905			19 Ei.Y.	+0.06	+0.8
30 L.	40.23	24.8	22 Ei.Y.	+0.04	+1.0 W.	June 8 Ei.Y.	41.93	17.4 E.	29 Ei.Y.	+0.12	+0.5 W.
Oct. 1 R.	40.21	25.3	Sept. 28 M.	-0.01	+0.8 E.	1906			Sept. 10 Ei.Y.	+0.07	+0.8 E.
7 R.	40.20	25.0 W.	Oct. 3 M.	+0.02	+1.0	Aug. 30 Ei.Y.	41.99	18.0 W.	15 Ei.Y.	+0.03	+0.8
1907			1905			Mean.....	41.928	17.98	17 T.	+0.01	+0.6
June 6 M.	40.25	25.8 E.	June 1 Ei.Y.	+0.03	0.0 E.	Mag. corr.....	+0.006		1905		
17 P.	40.17	25.3	Aug. 21 M.	+0.06	+1.0 W.	B. D. $+37^\circ 3379$			May 24 Ei.Y.	+0.03	+0.7
24 Hl.	40.20	24.6	22 Br.	+0.10	-0.3	$\alpha = 19^h 10^m$			June 1 Ei.Y.	+0.04	+0.3
Aug. 20 P.	40.17	25.2	26 Hl.	....	+1.5	$\delta = +37^\circ 36'$			8 Ei.Y.	+0.06	+0.9
26 Hl.	40.25	25.5 E.	1906			1907			9 Hl.	+0.15	+0.9 E.
Mean.....	40.207	25.20	Aug. 23 Ei.Y.	+0.05	+0.9 W.	May 13 Hl.	8.98	24.6 E.	Aug. 19 Hl.	+0.12	... W.
Mag. corr.....	0.000		1907			28 P.	8.95	24.0 E.	1906		
B. D. $-17^\circ 5535$			July 30 Hl.	+0.10	+1.0 E.	Mean.....	8.965	24.30	June 22 Ei.Y.	+0.08	+0.6
$\alpha = 19^h 9^m$			Aug. 12 Hl.	+0.06	+0.3	Mag. corr.....	0.000		29 Ei.Y.	+0.06	+0.3
$\delta = -17^\circ 31'$			13 P.	0.00	-0.7 E.	C. P. D. $-28^\circ 6852$			July 7 Ei.Y.	0.00	+0.8
1904			1908			$\alpha = 19^h 10^m$			19 Bs.	+0.04	...
May 28 Ei.Y.	3.33	5.9 W.	May 23 P.	+0.06	+0.6 W.	$\delta = -28^\circ 50'$			26 Bs.	+0.03	...
July 29 Ei.Y.	3.37	6.7 W.	24 M.	+0.02	+0.7 W.	1904			28 Bs.	+0.04	...
1905			1909			May 13 Hl.	8.98	24.6 E.	Aug. 4 Hl.	+0.04	...
June 18 Ei.Y.	3.33	6.8 E.	May 9 M.	....	+0.7 E.	28 P.	8.95	24.0 E.	11 Hl.	+0.02	...
			June 14 L.	+0.07	+1.1	Mean.....	8.965	24.30	15 Ei.Y.	+0.07	+0.7
			15 M.	....	+0.4	Mag. corr.....	0.000		23 Ei.Y.	+0.08	+0.3
			16 L.	+0.07	+0.5	C. P. D. $-28^\circ 6852$			30 Ei.Y.	+0.08	+0.9
			23 L.	+0.20	+0.9	$\alpha = 19^h 10^m$			31 Br.	+0.04	+1.4
			24 M.	+0.12	+1.0	$\delta = -28^\circ 50'$			Sept. 4 Br.	+0.08	0.0
			July 2 P.	+0.06	+0.6 E.	1904			6 Ei.Y.	+0.06	+0.4
						July 18 Ei.Y.	31.74	34.3 W.	8 Ei.Y.	+0.05	+0.3
						27 Ei.Y.	31.76	33.7 W.	11 Ei.Y.	+0.01	+0.2 W.

1907 July 14 Hl. +0.04 ... E. 16 Ei. M. +0.07 +0.4 25 Ei. M. +0.04 +1.2 31 P. +0.07 -0.7 Sept. 7 M. +0.04 +1.0 10 Ei. M. +0.07 +0.6 20 P. +0.05 -0.4 E. 1908 July 28 Fk. +0.05 +0.8 W. 29 P. +0.01 +0.6 Aug. 1 Fk. +0.06 -0.1 3 P. +0.11 0.0 4 Fk. 0.00 10 P. +0.06 +0.6 11 Fk. +0.06 +0.6 18 P. 0.00 -0.1 29 M. +0.09 0.0 31 M. +0.01 +0.8 Sept. 3 M. +0.08 +0.6 7 M. +0.05 +0.7 18 P. +0.12 25 P. +0.03 ... W. 1909 June 14 L. +0.08 +0.3 E. 15 M. +1.0 16 L. +0.09 +0.2 24 M. +0.13 +0.1 July 27 P. +0.04 0.0 30 M. +0.10 +0.6 Aug. 2 L. +0.07 +0.5 4 L. +0.10 +0.5 6 L. +0.10 +0.2 7 P. +0.04 -0.1 19 L. +0.09 -0.4 21 L. +0.05 -0.2 27 L. 0.00 -0.4 Sept. 23 P. 0.0 1910 Apr. 30 P. [+0.08] [+0.8] May 27 L. +0.09 +1.0 28 P. +0.09 +0.3 30 P. +0.12 +1.7 June 23 L. +0.10 +1.2 July 19 L. +0.10 +0.3 Aug. 4 P. +0.09 -0.3 6 L. +0.12 +0.3 18 P. +0.06 +0.1 Sept. 8 P. +0.09 -0.5 10 P. +0.04 +0.4 12 P. +0.09 -0.4 E. Mean..... +0.058 +0.46 Mag. corr.... +0.001 C. P. D. -28° 6867 $\alpha = 19^h 12^m$ $\delta = -27^\circ 59'$ 1904 Aug. 3 Ei. Y. 16.52 20.8 W. 12 Ei. Y. 16.39 20.3 W. 1905 June 18 Ei. Y. 16.43 21.3 E. 1906 June 25 Ei. Y. 16.48' 21.4 W. Mean..... 16.455 20.95 Mag. corr.... -0.009 δ Draconis $\alpha = 19^h 12^m 32^s.152$ $\delta = +67^\circ 29' 8''.98$ 1905 Aug. 17 M. -0.02 0.0 W. Sept. 5 Bs. +0.7 W. 1907 June 16 M. -0.11 +0.2 E.	1907 July 3 P. +0.05 +0.2 E. 21 Hl. -0.03 +0.4 Sept. 13 Hl. M. +0.08 -0.3 14 P. M. -0.08 +0.9 E. 1908 July 27 P. -0.02 0.0 W. Aug. 9 Fk. -0.04 -0.5 20 P. -0.11 -0.1 W. 1909 Sept. 28 P. -0.10 -0.6 E. Oct. 20 M. [+0.5] 30 L. [-0.13] [+0.5] 1910 Mar. 24 P. [+0.03] [0.0] 28 P. [+0.03] [+0.3] Apr. 13 M. [-0.02] [+0.4] 14 P. [-0.02] [-0.1] 15 L. [-0.11] [+0.2] 25 P. [+0.02] [+0.8] 27 M. 0.00 -0.1 1911 Mar. 23 P. [-0.10] [-0.9] 24 L. [0.00] [-0.5] 27 P. [-0.08] [+0.2] 30 P. [+0.15] [-0.5] 31 L. [-0.10] [-1.1] Apr. 9 M. [+0.09] [+0.7] E. Mean..... -0.035 +0.07 Mag. corr.... 0.000 [-0.018] [+0.04] δ Draconis s. r. $\alpha = 19^h 12^m 32^s.177$ $\delta = +67^\circ 29' 9''.13$ 1903 Sept. 22 R. [s] [0.05] [+0.7] W. 1908 Feb. 3 P. -0.09 +1.5 E. 4 P. +0.03 +0.1 19 P. -0.09 -0.3 21 Hl. +0.14 -0.4 28 Hl. +0.22 +0.7 E. Nov. 10 L. +0.04 +0.2 W. 14 P. +0.22 -1.9 15 M. -0.14 -0.2 20 L. +0.07 +0.5 W. 1909 Oct. 19 M. -0.06 +0.5 E. 25 P. -0.08 +0.1 26 L. -0.05 -0.1 1910 Mar. 25 P. +0.19 -0.2 Apr. 8 P. [+0.09] [+1.0] 13 L. [-0.16] [+1.2] 14 M. [-0.09] [0.0] 18 M. [+0.8] 22 P. [+0.11] [+0.5] 1911 Mar. 24 P. 0.00 +2.3 25 L. +0.11 +1.0 28 P. -0.10 +1.8 30 M. +0.01 +1.6 31 P. -0.11 -0.3 Apr. 1 L. [-0.06] [+1.1] 10 M. [-0.08] [-0.6] E. Mean..... +0.017 +0.38 Mag. corr.... 0.000 [-0.020] [+0.59] θ Lyræ $\alpha = 19^h 12^m 53^s.803$ $\delta = +37^\circ 57' 20''.14$ 1907 May 14 P. +0.06 -0.2 E. June 14 P. +0.04 -0.2 E.	1907 June 24 Hl. +0.03 -0.3 E. Aug. 20 P. -0.03 +0.2 26 Hl. +0.04 +0.4 E. 1908 June 12 Fk. -0.02 +0.5 W. 13 P. 0.00 +0.2 16 Fk. +0.07 -0.2 18 P. +0.06 +0.2 20 P. +0.01 -0.1 W. Mean..... +0.026 +0.05 Mag. corr.... +0.001 ω Aquilæ $\alpha = 19^h 13^m 7^s.364$ $\delta = +11^\circ 24' 53''.91$ 1903 Sept. 12 L. [s] +0.04 +0.1 W. 14 L. +0.04 +0.4 16 L. +0.06 +0.5 22 L. -0.01 +0.6 24 L. +0.03 +1.0 28 L. 0.00 +0.3 1904 June 6 R. +0.04 ... 1906 Aug. 4 Hl. +0.92 ... Sept. 11 Ei. Y. +0.04 +0.6 24 Hl. -0.04 +0.5 1908 May 25 P. +0.04 +0.4 26 Fk. 0.00 +0.1 27 M. -0.03 +1.1 28 P. +0.03 +0.4 June 1 P. 0.00 +1.0 2 Fk. +0.03 +0.3 Sept. 11 M. +0.03 ... 18 P. +0.03 ... 21 M. +0.04 +0.7 22 P. +0.04 +0.3 23 Fk. -0.05 +0.2 25 P. +0.02 +0.2 W. 1909 July 27 P. +0.03 +1.0 E. 28 M. -0.06 -0.1 Aug. 2 L. +0.02 +1.3 4 L. -0.01 +1.1 6 L. +0.01 +0.4 10 P. -0.05 -0.1 19 L. +0.02 +0.8 21 L. 0.00 -0.1 23 L. +0.01 +0.9 24 P. -0.02 +0.9 30 M. +0.01 +0.9 31 P. -0.01 +0.4 Sept. 1 L. -0.04 +0.8 2 M. +0.02 +0.7 7 P. +0.01 +1.4 8 L. +0.01 +0.6 1910 May 4 M. +0.02 +1.0 19 P. +0.07 +0.6 26 P. 0.00 +1.4 30 P. -0.04 +1.5 July 20 M. 0.00 +1.0 21 P. +0.01 +0.7 22 M. +0.04 +0.8 Sept. 6 P. +0.03 +0.8 Oct. 1 L. -0.03 +0.9 E. Mean..... +0.010 +0.66 Mag. corr.... 0.000	C. P. D. -23° 7434 $\alpha = 19^h 13^m$ $\delta = -23^\circ 44''$ 1904 June 17 Ei. Y. 14.81 21.6 W. 22 Ei. Y. 14.74 21.7 W. 1905 June 1 Ei. Y. 14.75 22.2 E. 1906 Aug. 23 Ei. Y. 14.79 21.6 W. Mean..... 14.772 21.78 Mag. corr.... -0.005 B. D. -15° 5310 $\alpha = 19^h 13^m$ $\delta = -15^\circ 42'$ 1904 June 8 Ei. Y. 18.02 37.3 W. Aug. 3 Ei. Y. 18.06 38.1 1906 Aug. 15 Ei. Y. 18.07 38.9 W. 1907 July 16 Ei. M. 18.00 38.9 E. Mean..... 18.038 38.30 Mag. corr.... -0.014 B. D. -21° 5340 $\alpha = 19^h 13^m$ $\delta = -21^\circ 4'$ 1904 June 13 Ei. Y. 20.46 24.8 W. 14 Ei. Y. 20.46 25.2 W. Sept. 7 Ei. Y. 20.48 25.4 E. 1906 June 29 Ei. Y. 20.45 25.6 W. Mean..... 20.462 25.25 Mag. corr.... -0.005 B. D. -16° 5272 $\alpha = 19^h 13^m$ $\delta = -16^\circ 5'$ 1904 July 18 Ei. Y. 25.95 24.6 W. 27 Ei. Y. 25.96 24.2 W. 1905 June 8 Ei. Y. 25.96 23.4 E. 1906 Aug. 30 Ei. Y. 26.01 24.2 W. Mean..... 25.970 24.10 Mag. corr.... +0.0
--	---	--	--

1905	s	"	1906	s	"	B. D. +39° 3731	1905	s	"
May 24 Ei.Y.	38.63	18.0 E.	Aug. 23 Ei.Y.	45.59	17.5 W.	$\alpha = 19^h 17^m$	May 24 Ei.Y.	16.19	32.3 E.
1906						$\delta = +39^\circ 44'$	1906		
July 7 Ei.Y.	38.66	18.0 W.	Mean.....	45.568	17.22		July 7 Ei.Y.	16.27	32.5 W.
Mean.....	38.660	17.92	Mag. corr.....	+0.019			Mean.....	16.242	32.48
Mag. corr.....	-0.006						Mag. corr.....	-0.009	
κ Cygni			B. D. -18° 5322			C. P. D. -24° 6721			
$\alpha = 19^h 14^m 47^s.579$			$\alpha = 19^h 15^m$			$\alpha = 19^h 19^m$			
$\delta = +53^\circ 11' 2''.70$			$\delta = -18^\circ 2'$			$\delta = -24^\circ 42'$			
1903	s	"	1904	s	"	1906	s	"	
Sept. 30 L.	+0.06	+0.2 W.	June 8 Ei.Y.	52.51	6.4 W.	Aug. 31 Br.	4.62	20.1 W.	
1904			July 29 Ei.Y.	52.46	7.5	Sept. 4 Br.	4.57	19.5	
Sept. 28 M.	-0.05	+0.8 E.	1906			1908			
Oct. 3 M.	+0.04	+1.2 E.	Aug. 15 Ei.Y.	52.51	6.4 W.	July 28 Fk.	4.61	19.7	
1905			1907			29 P.	4.55	19.6	
Aug. 21 M.	+0.04	+0.3 W.	July 16 Ei.M.	52.44	6.7 E.	Aug. 1 Fk.	4.56	19.3	
22 Br.	0.00	+0.5	Mean.....	52.480	6.75	3 P.	4.60	19.7	
1906			Mag. corr.....	-0.010		4 Fk.	4.54	19.8	
Sept. 25 P.	-0.05	+0.1 W.				10 P.	4.59	19.8	
1907			B. D. +38° 3538			11 Fk.	4.63	19.8	
June 17 P.	-0.06	+0.4 E.	$\alpha = 19^h 15^m$			18 P.	4.65	19.9	
Aug. 7 Hl.	+0.07	+0.6	$\delta = +38^\circ 20'$			29 M.	4.65	19.6	
12 Hl.	+0.08	+0.8 E.	1907	s	"	31 M.	4.57	19.9	
1908			May 12 M.	54.69	42.6 E.	Sept. 3 M.	4.53	20.0	
Aug. 15 Fk.	-0.03	-0.3 W.	29 M.	54.68	42.7 E.	7 M.	4.59	19.7 W.	
20 P.	+0.05	-0.1 W.	Mean.....	54.685	42.65	Mean.....	4.590	19.74	
Mean.....	+0.014	+0.41	Mag. corr.....	-0.005		Mag. corr.....	+0.008		
Mag. corr.....	-0.004					τ Draconis			
C. P. D. -26° 6735			B. D. -16° 5283			$\alpha = 19^h 17^m 28^s.619$			
$\alpha = 19^h 15^m$			$\alpha = 19^h 16^m$			$\delta = +73^\circ 10' 12''.26$			
$\delta = -26^\circ 21'$			$\delta = -16^\circ 8'$			1903	s	"	
1904	s	"	1904	s	"	Sept. 7 L.	-0.11	+0.3 W.	
Aug. 3 Ei.Y.	34.82	10.0 W.	June 13 Ei.Y.	0.09	32.1 W.	12 L.	-0.03	+0.3	
6 Ei.Y.	34.79	8.8 W.	14 Ei.Y.	0.07	33.0 W.	14 L.	-0.02	+0.6	
1905			Sept. 7 Ei.Y.	0.14	33.9 E.	16 L.	+0.04	+0.3	
June 18 Ei.Y.	34.80	9.6 E.	1906			22 L.	-0.10	+0.2	
1906			June 29 Ei.Y.	0.11	33.3 W.	24 L.	-0.11	+0.4	
June 11 Ei.Y.	34.84	9.4 W.	Mean.....	0.102	33.08	28 L.	-0.06	+0.1	
Mean.....	34.812	9.45	Mag. corr.....	+0.006		1904			
Mag. corr.....	+0.007					May 11 R.	+0.06	+0.1	
159 B. Lyræ			B. D. -18° 5325			13 M.	+0.04	+0.1	
$\alpha = 19^h 15^m$			$\alpha = 19^h 16^m$			24 R.	-0.06	+0.8 W.	
$\delta = +40^\circ 10'$			$\delta = -18^\circ 29'$			1907			
1905	s	"	1904	s	"	June 3 P.	-0.28	+0.2 E.	
June 2 Hl.	37.54	33.4 E.	July 18 Ei.Y.	1.02	38.3 W.	14 P.	-0.22	+0.4	
1907			27 Ei.Y.	1.00	38.1 W.	21 P.	-0.14	+0.5	
June 6 M.	37.54	33.7	1905			July 21 Hl.	+0.01	-0.2	
Aug. 6 P.	37.50	33.6	June 8 Ei.Y.	0.99	37.1 E.	31 P.	-0.26	+0.6 E.	
8 P.	37.56	34.0	1906			Mean.....	-0.083	+0.31	
13 P.	37.48	33.3 E.	Aug. 30 Ei.Y.	1.06	37.6 W.	Mag. corr.....	+0.002		
1908			Mean.....	1.018	37.78	τ Draconis s. p.			
May 17 M.	37.50	32.2 W.	Mag. corr.....	+0.023		$\alpha = 19^h 17^m 28^s.580$			
23 P.	37.47	33.5				$\delta = +73^\circ 10' 12''.40$			
24 M.	37.47	34.2	B. D. -20° 5516			1903	s	"	
June 8 P.	37.52	34.2	$\alpha = 19^h 16^m$			Sept. 29 L.	[-0.26] [+0.4] W.		
11 P.	37.54	34.4 W.	$\delta = -20^\circ 49'$			Oct. 14 L.	-0.13	+0.6	
Mean.....	37.512	33.65	1904	s	"	19 Br.	-0.13	-0.6	
Mag. corr.....	+0.006		June 18 Ei.Y.	45.29	47.6 W.	21 L.	-0.14	+0.2	
B. D. -19° 5412			23 Ei.Y.	45.34	47.3 W.	1906			
$\alpha = 19^h 15^m$			Sept. 10 Ei.Y.	45.31	47.0 E.	Feb. 19 Bs.	-0.02	+0.5 W.	
$\delta = -19^\circ 25'$			1906			1907			
1904	s	"	June 25 Ei.Y.	45.23	47.8 W.	Oct. 18 P.	+0.23	+1.1 E.	
June 17 Ei.Y.	45.60	16.6 W.	Mean.....	45.292	47.42	Nov. 5 P.	-0.02	-0.1	
22 Ei.Y.	45.54	16.9 W.	Mag. corr.....	+0.013		Dec. 19 Hl.	+0.09	+0.3	
1905			C. P. D. -28° 6911			1908			
June 1 Ei.Y.	45.54	17.9 E.	$\alpha = 19^h 18^m$			Feb. 3 P.	+0.05	-0.1	
			$\delta = -28^\circ 3'$			4 P.	-0.06	+0.5 E.	
			1904	s	"	Mean.....	-0.014	+0.27	
			July 14 Ei.Y.	16.25	32.5 W.	Mag. corr.....	+0.002		
			16 Ei.Y.	16.26	32.6 W.	B. D. -22° 5105			
						$\alpha = 19^h 20^m$			
						$\delta = -21^\circ 58'$			
						1904	s	"	
						June 13 Ei.Y.	21.38	27.3 W.	
						14 Ei.Y.	21.37	28.0 W.	

1904	s	"
Sept. 7 Ei.Y.	21.45	27.3 E.
1906		
Sept. 11 Ei.Y.	21.38	28.4 W.
Mean.....	21.395	27.75
Mag. corr....	-0.006	
δ Aquilæ		
$\alpha = 19^{\text{h}} 20^{\text{m}} 27^{\circ}.516$		
$\delta = +2^{\circ} 54' 55''.64$		
1903	s	"
Sept. 30 L.	+0.04	+0.3 W.
Oct. 1 R.	+0.04	+0.4
13 Br.	+0.08	+0.3
1904	s	"
May 12 Br.	+0.06	+0.8
15 R.	+0.04	+0.7
June 6 R.	+0.07	
12 R.	+0.03	+0.4
July 19 Ei.Y.	+0.08	+1.4
29 Ei.Y.	+0.09	+0.2 W.
Sept. 15 Ei.Y.	+0.09	+0.8 E.
16 Ei.Y.	+0.04	+0.5
17 T.	+0.01	+0.7
28 M.	+0.04	+0.5
Oct. 3 M.	+0.05	+1.2
1905	s	"
May 23 M.	+0.05	+1.1 E.
1906	s	"
June 29 Ei.Y.	+0.08	+0.7 W.
Aug. 11 Hl.	+0.01	
Sept. 7 Ei.Y.	+0.07	+0.4
21 Hl.	+0.01	+0.4
24 Hl.	-0.01	+0.4
Oct. 11 Br.	+0.05	+0.9 W.
1907	s	"
May 12 M.	+0.01	+0.9 E.
13 Hl.	+0.11	+1.1
July 16 Ei.M.	+0.06	+1.1
25 Ei.M.	+0.02	0.0
31 P.	+0.10	+0.3
Aug. 6 P.	+0.04	0.0
7 Hl.	+0.07	+0.8
8 P.	+0.07	+0.4 E.
1908	s	"
June 18 P.	+0.10	+0.4 W.
20 P.	+0.08	-0.2
Sept. 7 M.	+0.05	+0.9
18 P.	+0.04	
21 M.	+0.03	+0.9
22 P.	+0.01	+0.5
23 Fk.	+0.02	+0.1
25 P.	+0.10	-0.1
Oct. 7 L.	+0.01	-0.2 W.
1909	s	"
Aug. 7 P.	+0.04	+0.7 E.
23 L.	+0.05	+0.8
24 P.	+0.04	+1.0
27 L.	+0.02	+0.9
30 M.	+0.07	+0.4
31 P.	0.00	+1.0
Sept. 1 L.	+0.07	+0.6
2 M.	+0.02	+1.2
7 P.	+0.05	+1.5
8 L.	+0.02	+0.6
14 P.	+0.01	+0.6
1910	s	"
Sept. 6 P.	+0.04	+0.5
Oct. 10 M.	+0.05	+0.6 E.
Mean.....	+0.047	+0.61
Mag. corr....	-0.002	

B. D. -15° 5348

$\alpha = 19^{\text{h}} 20^{\text{m}}$

$\delta = -15^{\circ} 15'$

1904

June 18 Ei.Y.

29.74

4.5 W.

23 Ei.Y.

29.79

4.0 W.

1905

June 8 Ei.Y.

29.77

3.5 E.

1906

Sept. 8 Ei.Y.

29.74

4.8 W.

Mean.....

29.760

4.20

Mag. corr....

-0.007

C. P. D. -25° 6802

$\alpha = 19^{\text{h}} 20^{\text{m}}$

$\delta = -25^{\circ} 46'$

1904

Aug. 3 Ei.Y.

37.16

54.0 W.

12 Ei.Y.

37.13

52.8 W.

Sept. 10 Ei.Y.

37.12

52.7 E.

1906

June 25 Ei.Y.

37.20

53.0 W.

Mean.....

37.152

53.12

Mag. corr....

-0.005

186 G. Sagittarii

$\alpha = 19^{\text{h}} 20^{\text{m}}$

$\delta = -29^{\circ} 56'$

1904

July 14 Ei.Y.

37.38

27.3 W.

16 Ei.Y.

37.38

27.2 W.

1905

May 24 Ei.Y.

37.36

1909			1910			C. P. D. -24° 6746			C. P. D. -28° 6948		
Oct. 8 P.	-0.61	+0.3 E.	Oct. 25 L.	-1.67	+0.7 E.	$\alpha = 19^h 24^m$			$\alpha = 19^h 25^m$		
9 L.	+0.40	+0.1	28 L.	-0.59	+1.4 E.	$\delta = -24^\circ 9'$			$\delta = -28^\circ 25'$		
12 P.	[+1.25]	[0.0]	Mean.....	-0.050	-0.19	1904			1904		
13 L.	[-2.29]	[-0.7]	Mag. corr....	+0.008	[-0.096][+0.40]	July 14 Ei.Y.	52.02	35.2 W.	June 13 Ei.Y.	49.08	20.8 W.
19 P.	-0.74	-0.4	4 Cygni			16 Ei.Y.	52.02	35.8 W.	14 Ei.Y.	49.11	21.7 W.
20 M.	+0.55	+0.6	$\alpha = 19^h 22^m$			1905			Sept. 7 Ei.Y.	49.18	21.7 E.
25 M.	-0.48	-0.2	$\delta = +36^\circ 7'$			May 24 Ei.Y.	52.00	35.2 E.	1906		
26 P.	+2.10	+0.6	1907			1906			Sept. 11 Ei.Y.	49.10	22.4 W.
1910			Sept. 12 M.P.	33.09	2.7 E.	July 7 Ei.Y.	52.05	34.9 W.	Mean.....	49.118	21.65
Oct. 22 L.	[+1.47]	[-0.2]	13 Hl.M.	33.07	2.3	Mean.....	52.022	35.28	Mag. corr....	+0.007	
26 L.	[+1.70]	[0.0] E.	14 P.M.	33.06	2.4	Mag. corr....	+0.005		B. D. -19° 5492		
Mean.....	-0.536	+0.07	20 P.	32.98	2.6	B. D. -21° 5410			$\alpha = 19^h 25^m$		
Mag. corr....	+0.008		27 Hl.	33.05	2.8 E.	$\alpha = 19^h 24^m$			$\delta = -19^\circ 35'$		
	[-0.032][+0.11]		1908			$\delta = -21^\circ 31'$			1904		
λ Ursæ Minoris s. p.			June 20 P.	33.05	1.8 W.	1904			June 18 Ei.Y.	51.35	47.2 W.
$\alpha = 19^h 22^m 28^s.766$			22 Fk.	33.07	2.0	Aug. 3 Ei.Y.	57.94	12.3 W.	23 Ei.Y.	51.35	46.8 W.
$\delta = +88^\circ 59' 15''.87$			July 6 P.	33.04	2.0	6 Ei.Y.	58.00	12.1 W.	1905		
1903			27 P.	33.03	1.3	1905			June 8 Ei.Y.	51.36	46.8 E.
Oct. 18 L.	+1.91	-0.4 W.	Aug. 9 Fk.	33.02	2.0 W.	June 18 Ei.Y.	57.97	12.5 E.	1906		
20 R.	+0.37	0.0	Mean.....	33.046	2.19	1906			Aug. 30 Ei.Y.	51.43	47.2 W.
26 Br.	-1.10	+0.1	Mag. corr....	0.000		June 11 Ei.Y.	58.00	11.3 W.	Mean.....	51.372	47.00
28 L.	-3.25	-0.8	C. P. D. -27° 6772			Mean.....	57.978	12.05	Mag. corr....	+0.008	
Nov. 2 Br.	-1.07	+0.3	$\alpha = 19^h 23^m$			Mag. corr....	+0.023		β Cygni		
8 L.	+1.41	-1.4 W.	$\delta = -27^\circ 11'$			C. P. D. -25° 6824			$\alpha = 19^h 26^m 41^s.305$		
1905			1904			$\alpha = 19^h 25^m$			$\delta = +27^\circ 44' 58''.18$		
Mar. 15 M.	+1.42	+0.2 E.	June 18 Ei.Y.	41.07	25.1 W.	$\delta = -25^\circ 56'$			1903		
18 M.	+0.09	-0.3	23 Ei.Y.	41.15	24.6 W.	1904			Oct. 6 Br.	-0.01	-0.7 W.
28 Br.	+1.03	+0.4 E.	1905			June 17 Ei.Y.	9.38	40.3 W.	1904		
Nov. 2 Br.	-1.67	-0.1 W.	June 8 Ei.Y.	41.15	24.0 E.	22 Ei.Y.	9.30	40.6 W.	May 12 Br.	+0.03	+0.8
12 Hl.	-0.26	...	1906			1905			15 R.	+0.01	+0.8
Dec. 11 Br.	+2.04	-0.2	Aug. 30 Ei.Y.	41.19	24.1 W.	June 1 Ei.Y.	9.31	40.6 E.	24 R.	+0.01	+0.7
1906			Mean.....	41.140	24.45	1906			June 6 R.	+0.03	...
Mar. 5 Bs.	+2.14	-0.4	Mag. corr....	-0.005		Aug. 23 Ei.Y.	9.22	39.6 W.	12 R.	+0.05	+0.7 W.
20 Br.	+2.86	-0.3 W.	B. D. -22° 5127			Mean.....	9.302	40.28	Sept. 28 M.	+0.01	0.0 E.
1907			$\alpha = 19^h 24^m$			Mag. corr....	+0.007		Oct. 3 M.	+0.04	+0.1
Nov. 4 Hl.	+3.79	-0.2 E.	$\delta = -22^\circ 42'$			ϵ Aquilæ			7 Br.	0.00	-0.4
7 Hl.	-1.46	-0.8	1904			$\alpha = 19^h 25^m$			1905		
1908			July 18 Ei.Y.	21.45	10.6 W.	$\delta = -2^\circ 59'$			May 23 M.	+0.02	+0.6
Jan. 24 P.	-0.50	+0.6	27 Ei.Y.	21.48	10.7 W.	1903			June 18 Ei.Y.	+0.04	+0.3 E.
Feb. 7 P.	-1.70	0.0	Sept. 10 Ei.Y.	21.44	10.9 E.	Sept. 30 L.	26.06	49.9 W.	1906		
20 M.	-0.61	-0.3	1906			Oct. 1 R.	26.15	50.4	Aug. 11 Hl.	+0.07	... W.
24 M.	-0.86	0.0	June 25 Ei.Y.	21.48	10.9 W.	12 L.	26.14	50.2	Sept. 8 Ei.Y.	+0.03	+0.3 W.
Mar. 3 Hl.	-1.69	...	Mean.....	21.462	10.78	13 Br.	26.08	50.5	1907		
Oct. 11 M.	[-1.57]	[+0.4] W.	Mag. corr....	-0.013		1906			May 12 M.	+0.03	+0.8 E.
12 P.	[+0.89]	[+0.3]	6 Vulpeculæ			Sept. 25 P.	26.02	50.2 W.	13 Hl.	-0.02	+0.7
13 M.	-0.72	0.0	$\alpha = 19^h 24^m 32^s.595$			1907			20 Hl.	+0.06	+1.0
14 P.	+0.37	-0.3	$\delta = +24^\circ 27' 43''.63$			May 14 P.	26.02	50.6 E.	28 P.	-0.01	+0.6
15 M.	-1.19	-0.8	1903			June 26 Hl.	26.08	50.4	29 M.	+0.03	+0.5
16 P.	-2.20	-0.9	Sept. 7 L.	+0.07	+0.2 W.	Aug. 20 P.	26.10	50.1	June 16 M.	+0.04	+0.3
18 M.	-0.78	-0.4	12 L.	+0.09	-0.3	26 Hl.	26.17	49.5	21 P.	+0.06	+0.4
29 P.	+0.59	-1.0	14 L.	+0.07	+0.3	29 M.	26.09	49.2 E.	July 3 P.	-0.03	+0.9
30 L.	+1.73	-0.8 W.	16 L.	0.00	-0.1	Mean.....	26.091	50.10	30 Hl.	+0.02	+0.6
1909			22 L.	-0.01	+0.4	Mag. corr....	0.000		Aug. 6 P.	+0.02	+0.3
Oct. 1 L.	[+2.60]	... E.	24 L.	-0.02	+0.1	B. D. -17° 5655			7 Hl.	+0.07	+1.1
5 L.	[+0.26]	[+0.5]	28 L.	+0.04	0.0 W.	$\alpha = 19^h 25^m$			8 P.	+0.03	+0.4
7 P.	[-0.15]	[-0.6]	1907			$\delta = -17^\circ 52'$			15 P.	+0.01	...
11 L.	[-1.45]	[+0.8]	June 24 Hl.	+0.08	+0.2 E.	1904			Sept. 11 Hl.	+0.08	...
11 P.	[-1.18]	[+0.2]	Aug. 12 Hl.	+0.07	+0.7	June 8 Ei.Y.	38.52	56.6 W.	12 M.P.	+0.11	+1.5
12 L.	[-0.17]	[+1.2]	13 P.	-0.03	-0.1	July 29 Ei.Y.	38.47	56.7 W.	30 M.	+0.05	... E.
19 M.	-0.32	0.0	Sept. 13 Hl.M.	+0.08	+0.6	1906			1908		
25 P.	+0.96	-0.2	14 P.M.	-0.06	+1.2	Aug. 15 Ei.Y.	38.50	56.6 W.	June 4 P.	+0.01	... W.
26 L.	+1.24	-0.5	1909			Mean.....	38.502	56.72	5 Fk.	+0.04	-0.5
27 M.	+1.11	-0.2	June 14 L.	+0.01	+0.2 E.	Mag. corr....	-0.008		7 M.	+0.02	+0.6
28 P.	+0.14	+0.3	Mean.....	+0.030	+0.26	C. P. D. -24° 6746			8 P.	+0.04	+0.7
30 P.	+0.58	0.0	Mag. corr....	+0.001		$\alpha = 19^h 24^m$			11 P.	+0.12	+0.3
31 M.	-0.30	-0.4	C. P. D. -28° 6948			$\delta = -24^\circ 9'$			12 Fk.	0.00	+0.8
Nov. 1 P.	-3.81	-0.3	$\alpha = 19^h 25^m$			$\delta = -28^\circ 25'$			13 P.	+0.08	+0.8
3 M.	-2.41	-0.1	1904			1904			15 P.	-0.02	+0.8
25 P.	+0.72	-0.6 E.	June 13 Ei.Y.	49.08	20.8 W.	June 13 Ei.Y.	49.08	20.8 W.	16 Fk.	+0.02	+0.2
			14 Ei.Y.	49.11	21.7 W.	14 Ei.Y.	49.11	21.7 W.	18 P.	+0.05	+0.3
			Sept. 7 Ei.Y.	49.18	21.7 E.	Sept. 7 Ei.Y.	49.18	21.7 E.	20 P.	+0.02	-0.2
			1906			Sept. 11 Ei.Y.	49.10	22.4 W.	23 M.	+0.12	+0.2 W.
			Mean.....	49.118	21.65	Mean.....	49.118	21.65			
			Mag. corr....	+0.007		Mag. corr....	+0.007				
			B. D. -19° 5492			B. D. -21° 5410					
			$\alpha = 19^h 25^m$			$\alpha = 19^h 24^m$					
			$\delta = -19^\circ 35'$			$\delta = -21^\circ 31'$					
			1904			1904					
			June 18 Ei.Y.	51.35	47.2 W.	Aug. 3 Ei.Y.	57.94	12.3 W.			
			23 Ei.Y.	51.35	46.8 W.	6 Ei.Y.	58.00	12.1 W.			
			1905			1905					
			June 8 Ei.Y.	51.36	46.8 E.	June 18 Ei.Y.	57.97	12.5 E.			
			1906			1906					
			Aug. 30 Ei.Y.	51.43	47.2 W.	June 11 Ei.Y.	58.00	11.3 W.			
			Mean.....	51.372	47.00	Mean.....	57.978	12.05			
			Mag. corr....	+0.008		Mag. corr....	+0.023				
			β Cygni			C. P. D. -25° 6824					
			$\alpha = 19^h 26^m 41^s.305$			$\alpha = 19^h 25^m$					
			$\delta = +27^\circ 44' 58''.18$			$\delta = -25^\circ 56'$					
			1903			1904					
			Oct. 6 Br.	-0.01	-0.7 W.	June 17 Ei.Y.	9.38	40.3 W.			
			1904			22 Ei.Y.	9.30	40.6 W.			
			May 12 Br.	+0.03	+0.8	1905					
			15 R.	+0.01	+0.8	June 1 Ei.Y.	9.31	40.6 E.			
			24 R.	+0.01	+0.7	1906					
			June 6 R.	+0.03	...	Aug. 23 Ei.Y.	9.22	39.6 W.			
			12 R.	+0.05	+0.7 W.	Mean.....	9.302	40.28			
			Sept. 28 M.	+0.01	0.0 E.	Mag. corr....	+0.007				
			Oct. 3 M.	+0.04	+0.1	ϵ Aquilæ					
			7 Br.	0.00	-0.4	$\alpha = 19^h 25^m$					
			1905			$\delta = -2^\circ 59'$					
			May 23 M.	+0.02	+0.6	1903					
			June 18 Ei.Y.	+0.04	+0.3 E.	Sept. 30 L.	26.06	49.9 W.			
			1906			Oct. 1 R.	26.15	50.4			
			Aug. 11 Hl.	+0.07	... W.	12 L.	26.14	50.2			
			Sept. 8 Ei.Y.	+0.03	+0.3 W.	13 Br.	26.08	50.5			

1908			1906			μ Aquilæ			B. D. $-21^{\circ} 5444$		
June 28 M.	+0.02	+0.6 W.	Feb. 16 Br.	44.83	8.7 W.	$\alpha = 19^h 29^m 12^s.393$			$\alpha = 19^h 29^m$		
July 5 M.	0.00	-0.1	17 Hl.	44.69	9.2	$\delta = +7^{\circ} 9' 58''.56$			$\delta = -20^{\circ} 59'$		
Sept. 18 P.	+0.10	...	20 Br.	45.02	8.3	1903	s	"	1904	s	"
23 Fk.	0.00	+0.3 W.	27 Br.	45.04	8.2 W.	Sept. 7 L.	+0.07	+0.3 W.	June 8 Ei.Y.	40.91	46.9 W.
1910			1907			10 L.	-0.04	-0.4	July 29 Ei.Y.	40.89	47.8 W.
July 22 M.	+0.05	-0.2 E.	Oct. 18 P.	45.20	9.4 E.	12 L.	+0.01	-0.3	Sept. 15 Ei.Y.	40.85	47.6 E.
Aug. 5 M.	-0.01	+0.4 E.	24 P.	45.31	9.2	14 L.	+0.02	0.0	1906		
Mean.....	+0.033	+0.43	30 M.	45.06	9.0	16 L.	+0.04	-0.3	Aug. 15 Ei.Y.	40.87	47.8 W.
Mag. corr.....	0.000		Nov. 5 P.	45.18	8.5 E.	1904			Mean.....	40.880	47.52
B. D. $+35^{\circ} 3658$			Mean.....	45.044	9.02	June 6 R.	0.00	...	Mag. corr.....	+0.015	
$\alpha = 19^h 27^m$			Mag. corr.....	-0.005		26 R.	+0.03	...	C. P. D. $-26^{\circ} 6797$		
$\delta = +36^{\circ} 1'$			8 Cygni			1905			$\alpha = 19^h 29^m$		
1906	s	"	$\alpha = 19^h 28^m$			Aug. 19 Hl.	0.00	+0.9	$\delta = -26^{\circ} 7'$		
Aug. 31 Br.	9.74	5.6 W.	$\delta = +34^{\circ} 14'$			1906			1904	s	"
1908			1903	s	"	June 29 Ei.Y.	+0.01	+0.3	June 13 Ei.Y.	56.48	11.8 W.
July 28 Fk.	9.77	4.8	Sept. 28 L.	3.31	24.4 W.	July 7 Ei.Y.	+0.01	+0.7	14 Ei.Y.	56.52	12.3 W.
29 P.	9.71	5.5	1907			Sept. 5 P.	+0.03	+0.2	Sept. 7 Ei.Y.	56.55	13.2 E.
Aug. 1 Fk.	9.75	4.8	Sept. 12 M.P.	3.38	25.2 E.	7 Ei.Y.	-0.02	+0.2	1906		
3 P.	9.79	4.7	13 Hl.M.	3.38	25.5	25 P.	-0.06	+1.3	Sept. 11 Ei.Y.	56.45	13.4 W.
4 Fk.	9.71	5.1	14 P.M.	3.33	25.6	Oct. 11 Br.	+0.04	+0.7 W.	Mean.....	56.500	12.68
10 P.	9.74	5.6	27 Hl.	3.28	25.0	1907			Mag. corr.....	0.000	
11 Fk.	9.79	4.8	30 M.	3.33	25.3 E.	May 20 Hl.	-0.02	+0.6 E.	C. P. D. $-24^{\circ} 6764$		
18 P.	9.79	4.6	1908			June 17 P.	-0.11	+0.5	$\alpha = 19^h 29^m$		
29 M.	9.74	4.9	June 22 Fk.	3.32	24.9 W.	21 P.	+0.01	0.0	$\delta = -24^{\circ} 56'$		
31 M.	9.71	5.5	July 6 P.	3.35	25.2	26 Hl.	+0.03	-0.2	1904	s	"
Sept. 3 M.	9.66	4.8	Aug. 15 Fk.	3.32	25.0	27 P.	0.00	+0.6	June 18 Ei.Y.	57.45	16.6 W.
7 M.	9.74	5.5 W.	20 P.	3.36	25.2 W.	July 3 P.	0.00	+0.2	23 Ei.Y.	57.44	16.5 W.
Mean.....	9.742	5.09	Mean.....	3.336	25.13	16 Ei.M.	-0.06	+0.4	1905		
Mag. corr.....	+0.016		Mag. corr.....	+0.001		21 Hl.	...	+0.6	June 8 Ei.Y.	57.43	16.6 E.
1 Cygni			C. P. D. $-24^{\circ} 6757$			25 Ei.M.	-0.01	+1.0	1906		
$\alpha = 19^h 27^m 11^s.123$			$\alpha = 19^h 28^m$			Aug. 6 P.	-0.04	+0.2	Sept. 8 Ei.Y.	57.48	18.0 W.
$\delta = +51^{\circ} 31' 0''.80$			$\delta = -24^{\circ} 4'$			8 P.	+0.01	0.0	Mean.....	57.450	16.92
1905	s	"	1904	s	"	12 Hl.	+0.01	+0.5	Mag. corr.....	-0.007	
Aug. 21 M.	-0.05	+0.2 W.	July 18 Ei.Y.	31.82	30.4 W.	13 P.	-0.04	-0.6	B. D. $-19^{\circ} 5521$		
22 Br.	+0.07	+0.9	27 Ei.Y.	31.82	30.3 W.	20 P.	-0.03	-0.3 E.	$\alpha = 19^h 30^m$		
Sept. 6 Hl.	-0.04	+0.6 W.	Sept. 10 Ei.Y.	31.78	30.1 E.	1908			$\delta = -19^{\circ} 4'$		
1907			1906			June 4 P.	-0.01	...	1904	s	"
June 6 M.	+0.02	-0.4 E.	June 25 Ei.Y.	31.79	30.5 W.	Aug. 19 Fk.	-0.03	+0.5	July 18 Ei.Y.	36.43	24.2 W.
14 P.	-0.06	+0.4	Mean.....	31.802	30.32	Sept. 11 M.	-0.03	...	27 Ei.Y.	36.44	24.3 W.
Sept. 16 M.	-0.01	-0.1	Mag. corr.....	+0.015		22 P.	-0.02	+0.2	Sept. 10 Ei.Y.	36.41	24.1 E.
20 P.	-0.08	+0.8 E.	B. D. $-16^{\circ} 5360$			25 P.	-0.01	-0.1	1906		
1908			$\alpha = 19^h 28^m$			Oct. 6 P.	+0.01	0.0	June 25 Ei.Y.	36.40	23.3 W.
July 1 Fk.	+0.01	-0.3 W.	$\delta = -16^{\circ} 35'$			7 L.	+0.06	0.0	Mean.....	36.420	23.98
Mean.....	-0.018	+0.26	1904	s	"	12 M.	+0.06	0.0	Mag. corr.....	+0.022	
Mag. corr.....	-0.006		July 14 Ei.Y.	35.18	25.6 W.	13 P.	-0.04	+0.5	h Sagittarii		
225 B. Draconis			16 Ei.Y.	35.22	25.2 W.	14 M.	+0.01	-1.3 W.	$\alpha = 19^h 30^m 37^s.381$		
$\alpha = 19^h 27^m$			1905			1909			$\delta = -25^{\circ} 6' 15''.93$		
$\delta = +79^{\circ} 24'$			May 24 Ei.Y.	35.20	25.4 E.	Sept. 2 M.	+0.04	+0.5 E.	1904	s	"
1907	s	"	Aug. 15 Ei.Y.	35.20	25.3 W.	7 P.	+0.03	+1.0	July 14 Ei.Y.	+0.06	+0.8 W.
Sept. 15 Hl.P.	44.87	8.1 E.	Mean.....	35.200	25.38	8 L.	-0.02	+0.1	16 Ei.Y.	+0.14	+0.4 W.
21 M.	45.30	8.7	B. D. $-22^{\circ} 5156$			11 L.	-0.02	-0.2	Sept. 28 M.	+0.01	+0.8 E.
23 M.	45.01	8.3	$\alpha = 19^h 28^m$			13 L.	-0.03	+0.1	Oct. 3 M.	+0.02	+1.0
25 P.	44.74	9.3	$\delta = -22^{\circ} 13'$			1910			1905		
26 M.	45.06	8.4 E.	1904	s	"	May 26 P.	-0.02	-0.4	May 24 Ei.Y.	+0.06	+0.4 E.
1908			Aug. 3 Ei.Y.	47.84	2.2 W.	30 P.	-0.04	+1.6	Aug. 29 Br.	+0.08	+0.2 W.
May 25 P.	44.99	8.3 W.	12 Ei.Y.	47.89	1.9 W.	Sept. 6 P.	0.00	-0.1	30 Hl.	+0.08	+0.6
26 Fk.	44.98	8.0	1905			Oct. 1 L.	-0.02	-0.1	1906		
27 M.	44.92	9.3	June 18 Ei.Y.	47.83	2.1 E.	10 M.	+0.01	+0.5 E.	Sept. 7 Ei.Y.	+0.02	+0.7 W.
June 1 P.	45.04	10.5	Sept. 6 Ei.Y.	47.91	2.3 W.	Mean.....	-0.004	+0.22	1907		
2 Fk.	44.93	8.7 W.	Mean.....	47.868	2.12	Mag. corr.....	+0.002		May 28 P.	+0.11	+1.1 E.
Mean.....	44.984	8.76	Mag. corr.....	-0.006		1904	s	"	June 14 P.	+0.04	0.0
Mag. corr.....	-0.006		C. P. D. $-23^{\circ} 7530$			1905			Aug. 26 Hl.	+0.16	+1.0
225 B. Draconis s. p.			$\alpha = 19^h 29^m$			1906			Sept. 13 Hl.M.	+0.06	+0.3 E.
$\alpha = 19^h 27^m$			$\delta = -23^{\circ} 31'$			Aug. 23 Ei.Y.	38.07	40.8 W.	1908		
$\delta = +79^{\circ} 24'$			1904	s	"	Mean.....	38.100	41.05	June 12 Fk.	+0.10	+1.1 W.
1904	s	"	June 17 Ei.Y.	38.10	41.2 W.	Mag. corr.....	+0.001		13 P.	+0.10	+0.8
Mar. 24 R.	44.96	10.5 W.	22 Ei.Y.	38.11	41.1 W.				18 P.	+0.14	+0.4 W.
1905			1905								
Mar. 15 M.	45.15	9.2 E.	June 1 Ei.Y.	38.12	41.1 E.						

1909

s

"

May 9 M.

....

[-0.1] E.

June 15 M.

....

+0.2

16 L.

+0.07

+0.3

24 M.

+0.10

+0.9

July 4 M.

....

+0.8

Aug. 1 P.

....

+0.4

2 L.

+0.11

+1.3

4 L.

+0.06

+1.5

6 L.

+0.04

+0.8

27 L.

+0.08

+0.2

Sept. 24 M.

+0.03

+1.1

Oct. 20 M.

....

+1.5

1910

May 27 L.

+0.11

+1.4

June 22 M.

+0.11

+1.1

July 22 M.

+0.04

+0.6

Aug. 5 M.

+0.16

+0.4

Oct. 10 M.

+0.08

+0.9

Nov. 7 M.

[-0.08]

... E.

Mean.....

+0.080

+0.75

Mag. corr....

+0.003

B. D. -18° 5432

$\alpha = 19^h 31^m$

$\delta = -18^\circ 27'$

1904

s

"

Aug. 3 Ei.Y.

15.30

11.0 W.

6 Ei.Y.

15.35

11.0 W.

1905

June 18 Ei.Y.

15.30

10.6 E.

1906

June 11 Ei.Y.

15.24

10.5 W.

Mean.....

15.298

10.78

Mag. corr....

-0.009

κ Aquilæ

$\alpha = 19^h 31^m 30^s.747$

$\delta = -7^\circ 14' 59''.27$

1903

s

"

Sept. 22 L.

+0.02

-0.2 W.

24 L.

+0.03

+0.2

26 L.

+0.03

-0.3

28 L.

+0.05

0.0

30 L.

+0.05

+0.5

Oct. 1 R.

+0.03

-0.1

12 L.

+0.02

-0.2

13 Br.

+0.01

-0.5

1904

May 28 Ei.Y.

0.00

-0.1

June 6 R.

+0.01

...

12 R.

+0.03

+0.4

18 Ei.Y.

0.00

+0.3

23 Ei.Y.

+0.06

+0.5

26 R.

-0.04

...

July 19 Ei.Y.

+0.04

+0.5

29 Ei.Y.

+0.04

0.0

30 Ei.Y.

-0.01

0.0 W.

Sept. 16 Ei.Y.

-0.01

+0.2 E.

29 Ei.Y.

+0.02

-0.5

1905

May 23 M.

+0.01

+0.9

28 Hl.

+0.01

-0.2

June 2 Hl.

+0.04

+1.4

8 Ei.Y.

0.00

+0.7 E.

Aug. 21 M.

-0.01

+0.4 W.

22 Br.

-0.03

+0.2

26 Hl.

-0.01

-0.3

Sept. 14 Bs.

+0.02

+0.9

1906

July 7 Ei.Y.

+0.01

+0.5

Sept. 6 Ei.Y.

+0.02

-0.4

21 Hl.

-0.05

-0.4 W.

1907

s

"

July 16 Ei.M.

-0.02

+0.7 E.

Sept. 16 M.

+0.01

+0.8

20 P.

-0.02

-0.1

21 M.

+0.04

+0.4

23 M.

-0.01

-0.4

25 P.

+0.07

-0.2

26 M.

+0.04

+0.4

27 Hl.

-0.01

+0.9 E.

1908

June 4 P.

+0.02

... W.

15 P.

0.00

...

20 P.

-0.03

...

22 Fk.

+0.03

+0.2

23 M.

+0.05

...

July 1 Fk.

-0.03

+0.1

5 M.

-0.02

-0.2

27 P.

+0.04

+0.1

Aug. 9 Fk.

+0.01

+0.7

Sept. 23 Fk.

0.00

-0.1

25 P.

+0.02

+0.4

Oct. 15 P.

0.00

+0.4 W.

1909

Aug. 7 P.

+0.06

+0.4 E.

24 P.

+0.05

+0.2

30 M.

+0.01

+0.8

31 P.

+0.03

+0.4

Sept. 1 L.

+0.02

+0.2

2 M.

+0.01

+0.6

7 P.

+0.04

+0.6

8 L.

-0.01

+0.4

13 L.

+0.02

+0.3

14 P.

+0.02

0.0

1910

May 28 P.

+0.01

+0.6

Aug. 6 L.

+0.02

+0.9

Sept. 6 P.

+0.02

-0.6 E.

Mean.....

+0.014

+0.23

Mag. corr....

0.000

B. D. -14° 5479

$\alpha = 19^h 31^m$

$\delta = -14^\circ 31'$

1904

s

"

June 17 Ei.Y.

56.31

17.4 W.

22 Ei.Y.

56.32

17.5 W.

1905

June 1 Ei.Y.

56.33

17.8 E.

1906

Aug. 23 Ei.Y.

56.26

17.7 W.

Mean.....

56.305

17.60

Mag. corr....

-0.006

B. D. +39° 3831

$\alpha = 19^h 32^m$

$\delta = +39^\circ 48'$

1906

s

"

Sept. 4 Br.

11.80

22.8 W.

1908

July 28 Fk.

11.76

23.2

29 P.

11.73

23.0

Aug. 1 Fk.

11.71

23.2

3 P.

11.73

23.1

4 Fk.

11.65

23.2

10 P.

11.64

23.6

11 Fk.

11.72

23.4

18 P.

11.76

23.0

29 M.

11.79

23.2

31 M.

11.69

23.5

Sept. 3 M.

11.72

23.1

7 M.

11.72

23.4 W.

Mean.....

11.725

23.21

Mag. corr....

+0.001

C. P. D. -28° 6981

$\alpha = 19^h 32^m$

$\delta = -28^\circ 49'$

1904

s

"

July 18 Ei.Y.

41.83

59.2 W.

27 Ei.Y.

41.81

58.6 W.

Sept. 15 Ei.Y.

41.83

59.1 E.

1906

Aug. 15 Ei.Y.

41.87

58.9 W.

Mean.....

41.835

58.95

Mag. corr....

+0.016

C. P. D. -27° 6807

$\alpha = 19^h 32^m$

$\delta = -27^\circ 35'$

1904

s

"

June 13 Ei.Y.

45.52

48.2 W.

14 Ei.Y.

45.55

49.0 W.

Sept. 7 Ei.Y.

45.56

49.1 E.

1906

Sept. 11 Ei.Y.

45.53

49.5 W.

Mean.....

45.540

48.95

Mag. corr....

-0.002

ϵ Sagittæ

$\alpha = 19^h 32^m$

$\delta = +16^\circ 14'$

1905

s

"

June 9 Hl.

45.89

18.3 E.

21 Hl.

45.87

17.7

1907

June 3 P.

45.79

18.1

24 Hl.

45.88

17.4

July 21 Hl.

45.85

17.9 E.

1908

May 25 P.

45.81

17.7 W.

26 Fk.

45.89

17.3

27 M.

45.90

17.5

June 1 P.

45.85

18.2

2 Fk.

45.83

17.3 W.

Mean.....

45.856

17.74

Mag. corr....

-0.001

51 B. Cygni

$\alpha = 19^h 33^m$

$\delta = +43^\circ 28'$

1907

s

"

June 16 M.

21.45

55.7 E.

July 30 Hl.

21.55

56.2

Aug. 29 M.

21.59

55.4

30 Hl.

21.58

56.1

31 M.

21.55

55.5

Sept. 15 Hl.P.

21.58

55.5 E.

1908

June 4 P.

21.52

55.1 W.

5 Fk.

21.59

55.6

7 M.

21.55

55.6

8 P.

21.54

56.1

11 P.

21.56

56.0 W.

Mean.....

21.551

55.71

Mag. corr....

-0.008

B. D. -17° 5699 (pr.)

$\alpha = 19^h 33^m$

$\delta = -17^\circ 8'$

1904

s

"

June 18 Ei.Y.

27.52

14.0 W.

23 Ei.Y.

27.50

13.2 W.

Sept. 16 Ei.Y.

27.47

13.9 E.

1906

s

"

Sept. 8 Ei.Y.

27.53

13.9 W.

Mean.....

27.505

13.75

Mag. corr....

+0.005

B. D. -17° 5699 (fol.)

$\alpha = 19^h 33^m$

$\delta = -17^\circ 8'$

1904

s

"

Sept. 29 Ei.Y.

28.05

9.1 E.

1906

July 7 Ei.Y.

28.06

7.8 W.

Sept. 6 Ei.Y.

28.10

7.7

8 Ei.Y.

28.09

7.8 W.

Mean.....

28.075

8.10

Mag. corr....

+0.010

θ Cygni

$\alpha = 19^h 33^m 45^s.596$

$\delta = +49^\circ 59' 23''.29$

1903

s

"

Sept. 7 L.

+0.01

+0.7 W.

10 L.

+0.01

-0.1

12 L.

+0.03

-0.1

14 L.

+0.02

+0.1

16 L.

-0.03

-0.2

1904

May 24 R.

0.30

+0.7

June 3 Br.

-0.06

+0.2 W.

1907

May 29 M.

-0.14

+0.2 E.

July 5 M.

+0.03

+0.2

Aug. 13 P.

-0.04

+0.5

Sept. 6 Hl.

+0.09

+0.7

7 M.

+0.09

+0.2 E.

Mean.....

+0.001

+0.26

Mag. corr....

+0.003

C. P. D. -23° 7543

$\alpha = 19^h 33^m$

$\delta = -23^\circ 39'$

1904

s

"

Aug. 3 Ei.Y.

48.91

18.2 W.

6 Ei.Y.

48.96

18.3 W.

Sept. 10 Ei.Y.

48.94

17.9 E.

1906

June 25 Ei.Y.

48.90

17.7 W.

Mean.....

48.928

18.02

Mag. corr....

+0.021

B. D. -22° 5183

$\alpha = 19^h 33^m$

$\delta = -22^\circ 17'$

1904

s

"

July 14 Ei.Y.

58.61

27.3 W.

16 Ei.Y.

58.67

27.5 W.

1905

May 24 Ei.Y.

58.67

26.8 E.

1906

Sept. 7 Ei.Y.

58.62

26.6 W.

Mean.....

58.642

27.05

Mag. corr....

+0.009

C. P. D. -23° 7546

$\alpha = 19^h 34^m$

$\delta = -23^\circ 39'$

1904

s

"

July 19 Ei.Y.

6.48

26.8 W.

30 Ei.Y.

6.47

27.5 W.

1905	s	"	1909	s	"	1905	s	"	1908	s	"
June 18 Ei.Y.	6.52	27.1 E.	June 16 L.	+0.03	+0.4 E.	May 23 M.	+0.07	+1.0 E.	June 1 P.	48.11	28.8 W.
1906			23 L.	+0.22	+0.9	Aug. 19 Hl.	+0.04	+0.6 W.	2 Fk.	48.10	30.3
June 11 Ei.Y.	6.56	26.5 W.	24 M.	+0.11	+0.9	22 Br.	+0.04	+0.8	July 1 Fk.	48.02	29.4 W.
Mean.....	6.508	26.98	July 4 M.	....	+0.8	26 Hl.	+0.05	+0.8	Mean.....	48.059	29.52
Mag. corr....	+0.022		Aug. 2 L.	+0.04	+1.7	29 Br.	+0.04	+0.1	Mag. corr....	0.000	
			4 L.	+0.05	+1.4	30 Hl.	+0.04	+0.4			
			6 L.	+0.02	+0.8	Sept. 5 Bs.	....	+1.0			
B. D. -15° 5420			1910			6 Hl.	+0.05	+1.1	B. D. -18° 5460		
$\alpha = 19^h 34^m$			July 19 L.	+0.05	+0.9 E.	7 Bs.	+0.04	+0.3	$\alpha = 19^h 37^m$		
$\delta = -15^\circ 23'$			Mean.....	+0.062	+1.10	14 Bs.	+0.03	+0.6 W.	$\delta = -18^\circ 26'$		
			Mag. cor....	-0.002		1907					
1904	s	"				May 29 M.	+0.04	+0.2 E.	1904	s	"
June 17 Ei.Y.	11.65	43.6 W.	14 Cygni			June 3 P.	+0.06	+0.6	July 19 Ei.Y.	3.28	2.3 W.
22 Ei.Y.	11.55	43.8 W.	$\alpha = 19^h 36^m$			16 M.	-0.01	+0.4	29 Ei.Y.	3.32	2.8 W.
1905			$\delta = +42^\circ 35'$			19 P.	+0.06	+0.3	1905		
June 1 Ei.Y.	11.59	43.9 E.	1905	s	"	24 Hl.	+0.11	+1.0	June 18 Ei.Y.	3.23	3.0 E.
1906			June 2 Hl.	11.20	.... E.	27 P.	+0.07	+1.4	1906		
Aug. 23 Ei.Y.	11.56	43.2 W.	1907			July 21 Hl.	+0.06	...	Sept. 6 Ei.Y.	3.36	2.9 W.
Mean.....	11.588	43.62	May 28 P.	11.13	13.7	Aug. 7 Hl.	+0.06	+0.9	Mean.....	3.298	2.75
Mag. corr....	+0.014		June 14 P.	11.16	14.1	12 Hl.	+0.07	+0.7	Mag. corr....	-0.006	
σ Aquilæ			21 P.	11.17	14.6	13 P.	0.00	-0.2			
$\alpha = 19^h 34^m$			Sept. 15 Hl.P.	11.24	13.4 E.	Sept. 12 M.P.	+0.04	+1.1			
$\delta = +5^\circ 10'$			1908			13 Hl.M.	+0.13	+0.6			
1906	s	"	June 4 P.	11.25	13.7 W.	14 P.M.	0.00	+1.2			
Sept. 5 P.	15.58	11.6 W.	7 M.	11.23	13.8	16 M.	0.00	...	B. D. -19° 5561		
25 P.	15.47	....	8 P.	11.23	13.9	20 P.	+0.04	+0.5	$\alpha = 19^h 37^m$		
Oct. 8 Hl.	15.55	12.3	11 P.	11.25	13.3	21 M.	+0.12	+0.4	$\delta = -19^\circ 20'$		
11 Br.	15.55	12.7 W.	15 P.	11.19	13.9	23 M.	+0.10	+0.4	1904	s	"
1907			22 Fk.	11.25	13.8 W.	25 P.	+0.06	+0.2	June 17 Ei.Y.	22.76	51.6 W.
June 6 M.	15.57	11.6 E.	Mean.....	11.209	13.82	26 M.	+0.03	0.0	22 Ei.Y.	22.64	52.1 W.
17 P.	15.47	12.2	Mag. corr....	-0.001		27 Hl.	+0.05	+1.1	1905		
Aug. 20 P.	15.52	12.3	C. P. D. -26° 6817			30 M.	+0.06	+1.4 E.	June 1 Ei.Y.	22.64	52.6 E.
Sept. 12 M.P.	15.58	11.7	$\alpha = 19^h 36^m$			1908			1906		
13 Hl.M.	15.56	12.1 E.	$\delta = -26^\circ 40'$			June 20 P.	+0.03	+0.4 W.	Aug. 23 Ei.Y.	22.67	51.9 W.
1908			1904	s	"	July 6 P.	+0.02	+1.0	Mean.....	22.678	52.05
June 20 P.	15.55	11.1 W.	June 18 Ei.Y.	15.53	39.6 W.	27 P.	+0.06	+0.2	Mag. corr....	-0.001	
23 M.	15.56	12.2	23 Ei.Y.	15.49	38.9 W.	Aug. 9 Fk.	+0.03	+0.7			
28 M.	15.54	11.8 W.	Sept. 16 Ei.Y.	15.52	39.8 E.	15 Fk.	+0.06	+0.2	B. D. -15° 5444		
Mean.....	15.542	11.96	1906			19 Fk.	+0.07	+0.7	$\alpha = 19^h 37^m$		
Mag. corr....	0.000		Sept. 8 Ei.Y.	15.51	40.0 W.	20 P.	+0.04	+1.1	$\delta = -15^\circ 42'$		
B. D. -21° 5479			Mean.....	15.512	39.58	Sept. 11 M.	+0.02	...	1904	s	"
$\alpha = 19^h 34^m$			Mag. corr....	0.000		Oct. 6 P.	+0.03	+1.1	June 18 Ei.Y.	51.46	7.1 W.
$\delta = -21^\circ 4'$			C. P. D. -25° 6870			7 L.	+0.06	+0.5	23 Ei.Y.	51.46	6.6 W.
1904	s	"	$\alpha = 19^h 36^m$			12 M.	+0.08	+0.8	Sept. 15 Ei.Y.	51.46	6.9 E.
July 18 Ei.Y.	55.50	7.7 W.	$\delta = -25^\circ 5'$			13 P.	+0.06	+0.9	1906		
27 Ei.Y.	55.51	6.9 W.	1904	s	"	14 M.	+0.04	+0.2	Aug. 15 Ei.Y.	51.47	7.3 W.
Sept. 15 Ei.Y.	55.51	7.3 E.	Aug. 3 Ei.Y.	18.65	32.8 W.	15 P.	+0.09	+1.2	Mean.....	51.462	6.98
1906			6 Ei.Y.	18.64	33.0 W.	16 M.	+0.05	+0.5	Mag. corr....	-0.005	
Sept. 11 Ei.Y.	55.50	7.6 W.	Sept. 10 Ei.Y.	18.59	32.4 E.	17 P.	+0.07	+0.7 W.			
Mean.....	55.505	7.38	1906			1909			B. D. +39° 3876		
Mag. corr....	-0.001		June 25 Ei.Y.	18.60	32.9 W.	June 14 L.	+0.02	+0.7 E.	$\alpha = 19^h 38^m$		
54 Sagittarii			Mean.....	18.620	32.78	1910			$\delta = +39^\circ 47'$		
$\alpha = 19^h 34^m 59^s.735$			Mag. corr....	+0.016		May 26 P.	+0.04	+0.8 E.	1906	s	"
$\delta = -16^\circ 31' 21''.78$			β Sagittæ			Mean.....	+0.050	+0.58	Aug. 31 Br.	13.49	13.3 W.
1904	s	"	$\alpha = 19^h 36^m 33^s.448$			Mag. corr....	+0.003		Sept. 4 Br.	13.63	12.7
June 13 Ei.Y.	+0.05	+1.6 W.	$\delta = +17^\circ 14' 39''.11$			ϵ Sagittarii			1908		
14 Ei.Y.	+0.02	+1.4 W.	1903	s	"	$\alpha = 19^h 36^m$			July 28 Fk.	13.60	12.5
Sept. 7 Ei.Y.	+0.11	+0.8 E.	Sept. 22 L.	+0.05	+0.5 W.	$\delta = -16^\circ 21'$			29 P.	13.56	12.8
28 M.	+0.04	+0.7	24 L.	+0.06	+0.4	1904	s	"	Aug. 1 Fk.	13.58	12.3
Oct. 3 M.	+0.01	+1.5	26 L.	+0.02	+0.5	July 14 Ei.Y.	48.03	29.9 W.	3 P.	13.53	12.8
7 Br.	+0.07	+0.8 E.	28 L.	0.00	+0.6	16 Ei.Y.	48.08	29.4 W.	4 Fk.	13.51	12.5
1906			30 L.	+0.08	+0.3	1905			10 P.	13.59	13.5
Aug. 15 Ei.Y.	+0.06	+1.4 W.	Oct. 1 R.	+0.10	+0.2	May 24 Ei.Y.	48.03	29.0 E.	11 Fk.	13.58	12.6
1907			6 Br.	+0.03	-1.0	1906			18 P.	13.62	12.3
Aug. 26 Hl.	+0.14	+1.4 E.	12 L.	+0.02	+0.5	Sept. 7 Ei.Y.	48.02	29.4 W.	29 M.	13.66	....
Sept. 14 P.M.	+0.03	+1.3 E.	13 Br.	+0.09	-0.6	1907			31 M.	13.53	13.4
1908			1904			May 20 Hl.	48.11	29.4 E.	Sept. 3 M.	13.58	13.2
June 12 Fk.	+0.01	+1.6 W.	June 12 R.	+0.04	+0.7	July 3 P.	48.08	29.7	7 M.	13.60	13.3 W.
13 P.	+0.07	+1.1	26 R.	+0.05	+0.3 W.	Aug. 29 M.	48.05	29.2	Mean.....	13.576	12.86
16 Fk.	+0.05	+1.4				30 Hl.	48.06	29.8	Mag. corr....	+0.010	
18 P.	+0.05	+0.4 W.				Sept. 7 M.	48.00	29.8 E.			
						1908					
						May 25 P.	48.06	29.9 W.			
						27 M.	48.08	29.3 W.			

C. P. D. -23° 7565			1905			1905			δ Cygni		
$\alpha = 19^h 38^m$ $\delta = -23^\circ 5'$			May 28 Hl.	31.83	5.0 E.	June 18 Ei.Y.	6.84	44.1 E.	$\alpha = 19^h 41^m 51^s.045$ $\delta = +44^\circ 53' 11''.94$		
1904			June 2 Hl.	31.80	... E.	1906			1905		
June 13 Ei.Y.	33.97	38.5 W.	1906			Sept. 6 Ei.Y.	6.90	43.4 W.	Aug. 22 Br.	-0.05	+0.9 W.
14 Ei.Y.	34.01	39.2 W.	June 25 Ei.Y.	31.77	5.9 W.	Mean.....	6.885	43.50	Sept. 8 Hl.	-0.06	+0.5
Sept. 7 Ei.Y.	34.02	39.9 E.	1907			Mag. corr....	-0.005		14 Bs.	-0.07	+0.7 W.
1906			May 20 Hl.	31.80	4.7 E.	B. D. -17° 5746			1907		
Sept. 11 Ei.Y.	33.94	39.9 W.	Sept. 15 Hl.P.	31.76	5.2	$\alpha = 19^h 41^m$ $\delta = -17^\circ 19'$			June 16 M.	-0.07	-0.1 E.
Mean.....	33.985	39.38	20 P.	31.77	6.6	1904			Aug. 29 M.	-0.02	+0.7
Mag. corr....	+0.007		26 M.	31.76	5.7 E.	June 17 Ei.Y.	24.40	21.4 W.	Sept. 7 M.	-0.02	+0.1
10 Vulpeculæ			1908			22 Ei.Y.	24.37	21.2 W.	23 M.	-0.02	+0.2
$\alpha = 19^h 39^m$ $\delta = +25^\circ 31'$			June 1 P.	31.78	4.8 W.	1905			27 Hl.	-0.10	+0.6 E.
1903			2 Fk.	31.75	5.1	June 1 Ei.Y.	24.29	21.9 E.	1908		
Sept. 7 L.	33.49	57.9 W.	7 M.	31.79	6.6	Aug. 23 Ei.Y.	24.35	21.3 W.	May 25 P.	-0.05	+0.4 W.
11 R.	33.48	57.4	22 Fk.	31.80	6.1	Mean.....	24.352	21.45	26 Fk.	-0.04	+0.5 W.
12 L.	33.45	56.7	23 M.	31.80	6.1 W.	Mag. corr....	+0.010		Mean.....	-0.050	+0.45
14 L.	33.53	57.2	1909			γ Aquilæ			Mag. corr....	+0.001	
15 R.	33.51	56.9	June 15 M.	.....	6.5 E.	$\alpha = 19^h 41^m 30^s.338$ $\delta = +10^\circ 22' 9''.93$			B. D. -18° 5487		
16 L.	33.45	56.9 W.	16 L.	31.76	5.7	1903			$\alpha = 19^h 42^m$ $\delta = -18^\circ 38'$		
1907			23 L.	31.81	5.0	Sept. 21 R.	-0.01	+0.6 W.	1904		
June 6 M.	33.45	57.5 E.	July 3 L.	31.77	5.6	22 L.	+0.11	+0.5	July 19 Ei.Y.	6.04	59.4 W.
July 5 M.	33.48	57.4	4 M.	.....	5.7	24 L.	-0.01	+0.9	29 Ei.Y.	6.01	60.4 W.
30 Hl.	33.49	57.1	Aug. 1 P.	.....	6.9	26 L.	+0.04	+0.3	Sept. 15 Ei.Y.	6.05	60.0 E.
Aug. 31 M.	33.49	57.3	2 L.	31.70	5.3	28 L.	+0.05	+0.6	1906		
Sept. 6 Hl.	33.50	57.8 E.	4 L.	31.72	5.4	30 L.	+0.04	+0.4	Aug. 15 Ei.Y.	6.03	59.6 W.
Mean.....	33.484	57.28	6 L.	31.77	5.7	Oct. 1 R.	+0.12	+0.5	Mean.....	6.032	59.85
Mag. corr....	-0.001		27 L.	31.74	6.0	7 R.	+0.01	+0.2	Mag. corr....	-0.002	
228 G. Sagittarii			Sept. 24 M.	31.77	5.7	1904			B. D. -21° 5522		
$\alpha = 19^h 39^m$ $\delta = -32^\circ 8'$			1910			May 24 R.	+0.06	+0.7	$\alpha = 19^h 42^m$ $\delta = -21^\circ 12'$		
1904			Aug. 6 L.	31.77	5.4	27 Br.	+0.10	-0.5	1904		
June 3 Br.	38.50	58.6 W.	Oct. 10 M.	31.72	5.7	June 12 R.	+0.02	+1.3	June 13 Ei.Y.	6.38	12.8 W.
15 R.	38.44	58.6	Nov. 7 M.	[31.78]	.... E.	26 R.	+0.03	+1.0 W.	14 Ei.Y.	6.36	13.2 W.
1906			Mean.....	31.770	5.64	Sept. 21 M.	+0.02	+0.2 E.	Sept. 7 Ei.Y.	6.39	13.6 E.
Sept. 29 Hl.	.....	58.8	Mag. corr....	0.000		28 M.	+0.08	+0.1	1906		
Oct. 8 Hl.	38.53	57.9	15 Cygni			29 Ei.Y.	+0.03	-0.8	Sept. 11 Ei.Y.	6.40	14.0 W.
11 Br.	38.55	57.6 W.	$\alpha = 19^h 40^m$ $\delta = +37^\circ 6'$			Oct. 1 Ei.Y.	+0.05	+0.2	Mean.....	6.382	13.40
1907			1906			3 M.	+0.01	+0.2	Mag. corr....	+0.014	
June 14 P.	38.45	58.8 E.	Sept. 21 Hl.	40.30	46.5 W.	7 Br.	+0.06	+0.6	δ Sagittæ		
Aug. 7 Hl.	38.57	58.5	1907			1905			$\alpha = 19^h 42^m 55^s.745$ $\delta = +18^\circ 17' 14''.99$		
26 Hl.	38.55	58.1	May 28 P.	40.20	45.9 E.	May 23 M.	+0.05	+1.0 E.	1903		
Sept. 16 M.	38.56	57.9	June 21 P.	40.23	44.7	Aug. 23 Hl.	+0.05	+0.9 W.	Sept. 7 L.	0.00	+0.4 W.
21 M.	38.50	58.3 E.	Sept. 13 Hl.M.	40.27	45.9	29 Br.	+0.01	0.0	12 L.	+0.11	+0.1
Mean.....	38.517	58.31	14 P.M.	40.11	46.4	30 Hl.	+0.02	+0.7	14 L.	+0.01	-0.1
Mag. corr....	-0.002		25 P.	40.27	45.1 E.	Sept. 5 Bs.	.....	+0.6	16 L.	+0.05	-0.5
C. P. D. -27° 6835			1908			7 Bs.	+0.01	+0.8	Oct. 6 Br.	+0.06	-1.0
$\alpha = 19^h 40^m$ $\delta = -27^\circ 30'$			June 12 Fk.	40.24	46.5 W.	1908			12 L.	0.00	-0.4
1904			13 P.	40.33	46.4	May 28 P.	+0.14	...	13 Br.	+0.03	-0.7
June 18 Ei.Y.	9.53	32.3 W.	16 Fk.	.....	45.8	June 8 P.	+0.08	+0.9	1906		
23 Ei.Y.	9.49	31.4 W.	18 P.	40.24	45.9 W.	11 P.	+0.09	+0.6	Sept. 5 P.	+0.07	+0.4
Sept. 16 Ei.Y.	9.53	32.2 E.	Mean.....	40.243	45.91	20 P.	+0.01	...	25 P.	-0.06	-0.6
1906			Mag. corr....	0.000		28 M.	+0.01	+0.8	29 Hl.	.....	-0.5
Sept. 8 Ei.Y.	9.55	32.0 W.	1904			July 6 P.	+0.07	+1.5	Oct. 8 Hl.	+0.07	...
Mean.....	9.525	31.98	July 14 Ei.Y.	52.77	0.5 W.	Aug. 15 Fk.	+0.07	+0.5	11 Br.	+0.10	+0.8 W.
Mag. corr....	+0.005		16 Ei.Y.	52.76	0.6 W.	20 P.	+0.02	+1.2	1907		
f Sagittarii			1905			Oct. 6 P.	-0.01	+1.1	May 29 M.	-0.02	-0.2 E.
$\alpha = 19^h 40^m$ $\delta = -20^\circ 0'$			May 24 Ei.Y.	52.79	0.1 E.	7 L.	+0.06	+0.7	June 6 M.	+0.02	0.0
1904			1906			12 M.	+0.11	+0.9	19 P.	+0.03	-0.1
July 18 Ei.Y.	31.75	5.4 W.	Sept. 7 Ei.Y.	52.75	0.5 W.	13 P.	+0.08	+1.3 W.	25 P.	+0.03	+0.1
27 Ei.Y.	31.76	5.3 W.	Mean.....	52.768	0.42	1909			27 P.	-0.03	+0.7
Sept. 10 Ei.Y.	31.80	5.3 E.	Mag. corr....	+0.003		Aug. 24 P.	+0.06	+1.2 E.	July 5 M.	+0.02	0.0
C. P. D. -26° 6840			C. P. D. -24° 6809			30 M.	+0.05	+1.0	30 Hl.	+0.03	-0.3
$\alpha = 19^h 40^m$ $\delta = -26^\circ 44'$			$\alpha = 19^h 41^m$ $\delta = -23^\circ 58'$			31 P.	+0.07	+0.5	Aug. 31 M.	+0.04	+0.1
1904			1904			Sept. 1 L.	+0.08	+1.5	Sept. 6 Hl.	+0.06	+0.5
July 14 Ei.Y.	52.77	0.5 W.	Aug. 6 Ei.Y.	6.90	43.5 W.	7 P.	+0.03	+1.5	12 M.P.	0.00	+0.8
16 Ei.Y.	52.76	0.6 W.	12 Ei.Y.	6.90	43.0 W.	8 L.	+0.04	+1.1	13 Hl.M.	+0.03	+0.7 E.
1905			C. P. D. -23° 7565			11 L.	+0.06	+0.7 E.			
May 24 Ei.Y.	52.79	0.1 E.	$\alpha = 19^h 38^m$ $\delta = -23^\circ 5'$			Mean.....	+0.049	+0.68			
1906			1905			Mag. corr....	+0.002				
Sept. 7 Ei.Y.	52.75	0.5 W.	June 18 Ei.Y.	6.84	44.1 E.						
Mean.....	52.768	0.42	1906								
Mag. corr....	+0.003		Sept. 6 Ei.Y.	6.90	43.4 W.						
			Mean.....	6.885	43.50						
			Mag. corr....	-0.005							

1907 Sept. 14 P.M. +0.02 +0.3 E. 15 Hl.P. +0.02 +0.8 E.		B. D. -21° 5542 $\alpha = 19^h 44^m$ $\delta = -21^\circ 53'$		α Aquilæ $\alpha = 19^h 45^m 54^s.507$ $\delta = +8^\circ 36' 17''.23$	1906 Sept. 11 Ei.Y. 1.59 1.7 W. Mean..... 1.630 1.55 Mag. corr.... -0.005 B. D. -19° 5631 $\alpha = 19^h 46^m$ $\delta = -19^\circ 17'$
1908 June 4 P. +0.01 ... W. July 27 P. +0.05 -0.2 Aug. 9 Fk. -0.03 +0.4 19 Fk. +0.03 +0.5 Oct. 14 M. +0.06 +0.3 15 P. +0.04 +0.6 16 M. -0.02 +0.2 17 P. +0.05 +0.4 W.		1904 July 14 Ei.Y. 25.89 37.8 W. 16 Ei.Y. 25.85 38.0 W. 1905 May 24 Ei.Y. 25.85 37.6 E. 1906 Sept. 7 Ei.Y. 25.86 38.3 W. Mean..... 25.862 37.92 Mag. corr.... -0.008		1903 Sept. 11 R. +0.04 +1.0 W. 21 R. 0.00 +0.3 22 L. +0.04 +0.4 24 L. +0.10 +0.6 26 L. +0.03 +0.7 28 L. +0.07 +0.8 30 L. +0.09 +0.8 Oct. 1 R. +0.14 +0.1 1904 May 24 R. +0.03 +1.3 27 Br. +0.14 +0.7 June 3 Br. +0.05 +1.0 12 R. +0.01 +1.1 15 R. +0.10 +1.0 July 16 Ei.Y. +0.11 +0.9 12 Ei.Y. +0.10 +1.2 15 Ei.Y. +0.07 +1.2 W. Oct. 1 Ei.Y. +0.06 +0.7 E.	1904 June 18 Ei.Y. 23.39 55.9 W. 23 Ei.Y. 23.37 55.3 W. Sept. 16 Ei.Y. 23.35 55.9 E. 1906 Sept. 8 Ei.Y. 23.34 56.0 W. Mean..... 23.362 55.78 Mag. corr.... +0.023 B. D. -17° 5776 $\alpha = 19^h 46^m$ $\delta = -17^\circ 8'$
1909 June 14 L. +0.06 -0.1 E. Sept. 28 P. +0.08 +0.5		ζ Sagittæ $\alpha = 19^h 44^m$ $\delta = +18^\circ 53'$		1905 May 28 Hl. 32.34 E. 1907 May 28 P. 32.35 28.6 June 14 P. 32.28 29.8 17 P. 32.25 29.3 21 P. 32.28 28.5 24 Hl. 32.35 28.6 E. 1908 June 12 Fk. 32.32 29.8 W. 13 P. 32.37 29.4 16 Fk. 28.8 20 P. 32.35 29.4 July 1 Fk. 32.34 29.2 5 M. 32.31 29.2 W. Mean..... 32.322 29.15 Mag. corr.... 0.000	1904 July 19 Ei.Y. 42.81 30.0 W. 29 Ei.Y. 42.82 31.2 W. Sept. 10 Ei.Y. 42.87 30.2 E. 1906 June 25 Ei.Y. 42.79 30.4 W. Mean..... 42.822 30.45 Mag. corr.... +0.001 B. D. -21° 5556 $\alpha = 19^h 46^m$ $\delta = -21^\circ 19'$
C. P. D. -29° 6176 $\alpha = 19^h 42^m$ $\delta = -29^\circ 2'$		B. D. -15° 5479 $\alpha = 19^h 44^m$ $\delta = -15^\circ 40'$		1905 May 23 M. +0.09 +1.3 24 Ei.Y. +0.11 +1.5 June 9 Hl. +0.10 +1.7 18 Ei.Y. +0.10 +1.0 21 Hl. +0.03 +0.9 E. Sept. 6 Hl. +0.02 +1.9 W. 1906 July 9 Hl. +0.06 ... W. 1907 Sept. 15 Hl.P. +0.08 +1.4 E. 20 P. +0.07 +0.6 21 M. +0.06 +0.9 23 M. 0.00 +0.7 25 P. +0.11 +0.2 26 M. +0.09 +0.8 E. 1908 May 25 P. +0.10 +0.5 W. 26 Fk. +0.03 +0.8 27 M. +0.05 +0.8 June 4 P. +0.07 ... 7 M. +0.06 +0.6 8 P. +0.04 +1.0 11 P. +0.08 +0.2 22 Fk. +0.02 +0.9 23 M. +0.09 ... July 6 P. +0.03 +1.5 Aug. 15 Fk. +0.07 +0.7 20 P. 0.00 +1.7 Oct. 6 P. +0.02 +1.5 7 L. +0.05 +1.2 12 M. +0.05 +0.9 13 P. +0.04 +1.5 14 M. +0.02 +1.0 15 P. +0.12 +1.2 16 M. +0.02 +0.9 17 P. +0.06 +1.0 W. 1909 Sept. 8 L. +0.08 +1.2 E. 11 L. +0.08 0.0 13 L. +0.07 +0.8 1910 May 30 P. +0.08 +1.5 E. Mean..... +0.064 +0.94 Mag. corr.... -0.004	1904 Aug. 3 Ei.Y. 59.21 23.8 W. 6 Ei.Y. 59.22 24.0 W. 1905 June 1 Ei.Y. 59.23 24.0 E. 1906 Sept. 7 Ei.Y. 59.24 23.9 W. Mean..... 59.225 23.92 Mag. corr.... -0.003 η Aquilæ $\alpha = 19^h 47^m$ $\delta = +0^\circ 44'$
B. D. +38° 3758 $\alpha = 19^h 43^m$ $\delta = +38^\circ 9'$		C. P. D. -27° 6855 $\alpha = 19^h 45^m$ $\delta = -27^\circ 43'$		1903 Sept. 7 L. 22.75 56.8 W. 12 L. 22.82 56.1 14 L. 22.78 55.8 15 R. 22.78 56.0 16 L. 22.80 56.2 W. 1907 May 29 M. 22.79 56.7 E. June 6 M. 22.83 57.0 16 M. 22.80 55.8 19 P. 22.75 56.8 Aug. 26 Hl. 22.83 56.8 E. Mean..... 22.793 56.40 Mag. corr.... +0.006 B. D. -14° 5578 $\alpha = 19^h 47^m$ $\delta = -14^\circ 51'$	1904 July 18 Ei.Y. 27.90 34.2 W. 27 Ei.Y. 27.89 33.9 W. Oct. 1 Ei.Y. 27.89 34.0 E. 1906 Sept. 6 Ei.Y. 27.86 33.9 W. Mean..... 27.885 34.00 Mag. corr.... +0.019
1906 Sept. 4 Br. 54.86 35.6 W.		C. P. D. -25° 6917 $\alpha = 19^h 45^m$ $\delta = -25^\circ 9'$		B. D. -20° 5735 $\alpha = 19^h 46^m$ $\delta = -19^\circ 57'$	1904 June 14 Ei.Y. 1.65 1.4 W. July 30 Ei.Y. 1.59 1.6 W. Sept. 7 Ei.Y. 1.69 1.5 E.
1908 July 28 Fk. 54.80 35.8 29 P. 54.82 35.5 Aug. 1 Fk. 54.87 35.4 3 P. 54.75 35.7 4 Fk. 54.80 35.7 10 P. 54.82 36.7 11 Fk. 54.84 36.0 18 P. 54.84 35.6 29 M. 54.82 35.6 31 M. 54.83 36.4 Sept. 3 M. 54.81 36.3 7 M. 54.83 35.8 W. Mean..... 54.822 35.85 Mag. corr.... +0.019		1904 June 17 Ei.Y. 0.54 29.2 W. 22 Ei.Y. 0.49 29.5 W. Sept. 29 Ei.Y. 0.50 30.6 E. 1906 Aug. 23 Ei.Y. 0.45 28.4 W. Mean..... 0.495 29.42 Mag. corr.... +0.009		1904 Sept. 18 Ei.Y. 11.53 7.4 W. 23 Ei.Y. 11.54 7.0 W. Sept. 15 Ei.Y. 11.59 6.9 E. 1906 Aug. 15 Ei.Y. 11.56 6.5 W. Mean..... 11.555 6.95 Mag. corr.... +0.007	

B. D. -18° 5520			1903			1904			1909		
$\alpha = 19^h 47^m$			s			s			s		
$\delta = -18^\circ 9'$			Oct. 21 L.			Sept. 16 Ei.Y.			Sept. 8 L.		
1904			28 L.			1906			11 L.		
June 17 Ei.Y.			Nov. 8 L.			Sept. 8 Ei.Y.			13 L.		
22 Ei.Y.			1907			37.64			+0.06		
Sept. 29 Ei.Y.			Nov. 25 P.			37.58			+0.08		
1906			Dec. 18 M.			37.618			+0.05		
Aug. 23 Ei.Y.			1908			8.95			+0.058		
Mean.....			Jan. 25 M.			-0.003			-0.005		
Mag. corr....			Feb. 7 P.			C. P. D. -26° 6880			C. P. D. -23° 7614		
C. P. D. -24° 6848			20 M.			$\alpha = 19^h 49^m$			$\alpha = 19^h 50^m$		
$\alpha = 19^h 48^m$			1909			$\delta = -26^\circ 33'$			$\delta = -23^\circ 19'$		
$\delta = -24^\circ 11'$			Oct. 12 L.			1904			1904		
1904			19 M.			s			s		
June 14 Ei.Y.			25 P.			July 19 Ei.Y.			Aug. 3 Ei.Y.		
July 30 Ei.Y.			26 L.			43.05			42.23		
Sept. 15 Ei.Y.			28 P.			43.00			42.33		
Aug. 15 Ei.Y.			31 M.			43.01			42.33		
Mean.....			Nov. 3 M.			43.01			42.38		
Mag. corr....			1910			51.7 W.			47.6 W.		
C. P. D. -24° 6848			Apr. 8 P.			Mean.....			Mean.....		
$\alpha = 19^h 48^m$			13 L.			43.018			42.318		
$\delta = -24^\circ 11'$			14 M.			52.12			47.70		
1904			18 M.			Mag. corr....			Mag. corr....		
June 14 Ei.Y.			22 P.			+0.003			+0.005		
July 30 Ei.Y.			May 19 M.			C. P. D. -27° 6892			C. P. D. -27° 6892		
Sept. 15 Ei.Y.			Oct. 28 L.			$\alpha = 19^h 50^m$			$\alpha = 19^h 50^m$		
Aug. 15 Ei.Y.			30 M.			$\delta = -26^\circ 33'$			$\delta = -27^\circ 26'$		
Mean.....			31 P.			1904			1904		
Mag. corr....			Nov. 1 M.			s			s		
C. P. D. -24° 6848			11 L.			May 24 R.			July 18 Ei.Y.		
$\alpha = 19^h 48^m$			1911			+0.04			48.73		
$\delta = +70^\circ 0'$			Apr. 10 M.			+0.11			48.72		
1903			Mean.....			+0.08			48.69		
Oct. 12 L.			Mag. corr....			+0.11			48.75		
13 Br.			B. D. +38° 3801			+0.01			5.9 W.		
1905			$\alpha = 19^h 49^m$			+0.02			Mean.....		
Aug. 29 Br.			$\delta = +38^\circ 30'$			+0.02			48.722		
Sept. 7 Bs.			1906			+0.02			+0.006		
1906			Aug. 31 Br.			+0.07			C. P. D. -27° 6892		
Sept. 25 P.			Sept. 4 Br.			+0.07			$\alpha = 19^h 51^m$		
1907			1908			+0.08			$\delta = +11^\circ 9'$		
May 28 P.			July 28 Fk.			+0.09			1903		
June 14 P.			29 P.			+0.09			Sept. 7 L.		
27 P.			Aug. 1 Fk.			+0.09			30.16		
Aug. 29 M.			3 P.			+0.09			30.19		
30 Hl.			4 Fk.			+0.09			30.13		
Sept. 7 M.			10 P.			+0.09			30.17		
1909			11 Fk.			+0.09			30.14		
Oct. 13 L.			18 P.			+0.09			30.17		
20 M.			29 M.			+0.09			30.17		
25 M.			Sept. 7 M.			+0.09			30.14		
26 P.			Mean.....			+0.09			30.15		
28 M.			Mag. corr....			+0.09			30.15		
29 P.			B. D. -19° 5650			+0.09			30.21		
30 L.			$\alpha = 19^h 49^m$			+0.09			29.5 W.		
1910			$\delta = -19^\circ 33'$			+0.09			29.5		
Apr. 13 M.			1904			+0.09			29.7		
14 P.			s			+0.09			29.7		
15 L.			June 17 Ei.Y.			+0.09			29.5		
25 P.			22 Ei.Y.			+0.09			29.7		
27 M.			Sept. 7 Ei.Y.			+0.09			30.1		
30 P.			1906			+0.09			29.6 E.		
May 4 M.			Sept. 11 Ei.Y.			+0.09			Mean.....		
Oct. 29 L.			Mean.....			+0.09			30.150		
31 M.			Mag. corr....			+0.09			29.65		
Nov. 7 M.			B. D. -21° 5574			+0.09			Mag. corr....		
8 P.			$\alpha = 19^h 49^m$			+0.09			-0.001		
9 L.			$\delta = -21^\circ 46'$			+0.09			g Sagittarii		
1911			1904			+0.09			$\alpha = 19^h 52^m$		
Apr. 9 M.			s			+0.09			$\delta = -15^\circ 45'$		
Mean.....			June 17 Ei.Y.			+0.09			1904		
Mag. corr....			22 Ei.Y.			+0.09			s		
C. P. D. -24° 6848			Sept. 7 Ei.Y.			+0.09			June 17 Ei.Y.		
$\alpha = 19^h 48^m$			1906			+0.09			16.88		
$\delta = +70^\circ 0'$			Sept. 11 Ei.Y.			+0.09			16.82		
1903			Mean.....			+0.09			16.83		
Oct. 14 L.			Mag. corr....			+0.09			26.0 E.		
19 Br.			B. D. -21° 5574			+0.09			16.88		
1904											

1908			1904			B. D. -20° 5784			1907		
June 7 M.	16.86	25.2 W.	June 3 Br.	0.00	+0.8 W.	$\alpha = 19^h 54^m$			June 3 P.	22.60	51.2 E.
8 P.	16.86	25.0	26 R.	+0.05	+0.5 W.	$\delta = -20^\circ 7'$			17 P.	22.52	50.8
11 P.	16.85	25.3 W.							26 Hl.	22.59	49.7
Mean.....	16.845	24.85	1905			1904			Sept. 21 M.	22.64	51.2 E.
Mag. corr....	0.000		June 18 Ei.Y.	+0.08	+0.8 E.	July 18 Ei.Y.	41.34	49.6 W.	Mean.....	22.578	50.59
C. P. D. -26° 6895			Aug. 22 Br.	+0.07	+0.4 W.	27 Ei.Y.	41.27	49.4 W.	Mag. corr....	-0.004	
$\alpha = 19^h 52^m$			Sept. 5 Bs.	.....	+0.3	1905			c Sagittarii		
$\delta = -26^\circ 27'$			6 Hl.	+0.02	+1.0	June 1 Ei.Y.	41.30	49.5 E.	$\alpha = 19^h 56^m 30^s.630$		
1904			7 Bs.	+0.08	+0.4	Sept. 7 Ei.Y.	41.28	49.5 W.	$\delta = -27^\circ 59' 16''.32$		
July 19 Ei.Y.	51.79	57.8 W.	14 Bs.	+0.06	+0.6	Mean.....	41.298	49.50	1904		
29 Ei.Y.	51.73	58.6 W.	1906			Mag. corr....	+0.002		June 18 Ei.Y.	+0.04	+0.1 W.
Sept. 15 Ei.Y.	51.80	57.5 E.	July 9 Hl.	+0.06	....				23 Ei.Y.	+0.01	+1.0 W.
1906			Aug. 31 Br.	+0.06	+0.6	C. P. D. -24° 6879			Sept. 16 Ei.Y.	0.00	+0.2 E.
Aug. 15 Ei.Y.	51.76	57.9 W.	Sept. 4 Br.	+0.07	+0.1	$\alpha = 19^h 54^m$			1906		
Mean.....	51.770	57.95	Oct. 8 Hl.	+0.09	+0.9 W.	$\delta = -24^\circ 27'$			Sept. 8 Ei.Y.	+0.02	+0.4 W.
Mag. corr....	+0.001		1907			1904			21 Hl.	+0.10	0.0 W.
ψ Cygni			May 28 P.	+0.07	+0.4 E.	July 19 Ei.Y.	49.15	32.9 W.	1907		
$\alpha = 19^h 53^m 2^s.656$			June 6 M.	+0.06	+1.1	29 Ei.Y.	49.16	33.4 W.	Sept. 12 M.P.	+0.07	+1.6 E.
$\delta = +52^\circ 10' 23''.79$			14 P.	-0.04	+0.4	Oct. 1 Ei.Y.	49.07	33.6 E.	13 Hl.M.	+0.05	+0.4
1905			19 P.	+0.01	+0.7	1906			14 P.M.	+0.13	+1.0
Aug. 29 Br.	+0.02	-0.2 W.	21 P.	+0.01	+0.7	Sept. 6 Ei.Y.	49.16	34.1 W.	15 Hl.P.	+0.12	+1.0
1906			24 Hl.	+0.07	+0.8	Mean.....	49.135	33.50	16 M.	+0.10	0.0 E.
Sept. 5 P.	-0.08	+0.2	July 23 P.	+0.09	+1.0	Mag. corr....	-0.009		1908		
25 P.	-0.05	+1.0	Aug. 20 P.	-0.06	+0.9	C. P. D. -23° 7632			June 7 M.	+0.09	+0.4 W.
29 Hl.	.....	+0.3	26 Hl.	+0.03	+0.8	$\alpha = 19^h 55^m$			8 P.	+0.09	+1.0
Oct. 11 Br.	+0.01	+0.7 W.	Sept. 6 Hl.	+0.07	+0.9	$\delta = -23^\circ 0'$			11 P.	+0.08	+0.2 W.
1907			12 M.P.	+0.08	+1.3	1904			1909		
June 27 P.	-0.06	+0.3 E.	13 Hl.M.	+0.01	+0.8	June 17 Ei.Y.	27.48	43.1 W.	July 3 L.	+0.18	+0.9 E.
Aug. 29 M.	+0.05	+0.3	14 P.M.	+0.06	+1.1	22 Ei.Y.	27.38	42.8 W.	4 M.	.....	0.0
30 Hl.	+0.05	+0.5	16 M.	+0.01	....	Sept. 29 Ei.Y.	27.42	44.3 E.	Aug. 1 P.	.....	-0.3
Sept. 7 M.	+0.03	+0.4	27 Hl.	+0.03	+0.8 E.	1906			27 L.	+0.10	+0.8
11 Hl.	+0.02	-0.1 E.	1908			Aug. 23 Ei.Y.	27.40	43.4 W.	Sept. 24 M.	+0.06	+1.7
1908			May 25 P.	+0.10	+0.7 W.	Mean.....	27.420	43.40	Oct. 20 M.	.....	+0.7
June 20 P.	-0.07	-0.3 W.	26 Fk.	+0.04	+0.4	Mag. corr....	-0.012		1910		
22 Fk.	+0.02	+0.5 W.	27 M.	+0.09	+0.9	B. D. -17° 5832			May 27 L.	+0.13	+1.1
Mean.....	-0.005	+0.30	June 12 Fk.	+0.02	+1.1	$\alpha = 19^h 55^m$			June 24 M.	+0.12	+0.2
Mag. corr....	+0.001		13 P.	+0.06	+0.8	$\delta = -17^\circ 8'$			Oct. 10 M.	+0.06	-0.1
B. D. -18° 5553			15 P.	+0.10	+0.8	1904			Nov. 7 M.	[+0.10]	... E.
$\alpha = 19^h 53^m$			16 Fk.	.....	+0.4	Aug. 3 Ei.Y.	48.96	33.0 W.	Mean.....	+0.082	+0.56
$\delta = -18^\circ 13'$			July 1 Fk.	+0.01	+0.8	6 Ei.Y.	48.94	32.5 W.	Mag. corr....	+0.003	
1904			28 Fk.	+0.12	+0.6	Sept. 15 Ei.Y.	48.97	32.8 E.	C. P. D. -26° 6910		
June 14 Ei.Y.	17.28	44.8 W.	29 P.	+0.06	+0.8	Aug. 15 Ei.Y.	49.02	32.6 W.	$\alpha = 19^h 56^m$		
17 Ei.Y.	17.28	44.8	Aug. 1 Fk.	+0.01	+0.4	Mean.....	48.972	32.72	$\delta = -26^\circ 19'$		
22 Ei.Y.	17.29	45.1 W.	3 P.	+0.08	+0.4	Mag. corr....	+0.007		1904		
Sept. 7 Ei.Y.	17.31	45.2 E.	4 Fk.	+0.03	....	63 Sagittarii			July 18 Ei.Y.	56.51	10.8 W.
1906			9 Fk.	+0.02	+0.3	$\alpha = 19^h 56^m$			27 Ei.Y.	56.50	11.4 W.
Sept. 11 Ei.Y.	17.24	45.3 W.	10 P.	+0.05	+0.4	$\delta = -13^\circ 54'$			Sept. 10 Ei.Y.	56.53	11.2 E.
Mean.....	17.280	45.04	11 Fk.	+0.03	....	1903			1906		
Mag. corr....	-0.001		18 P.	+0.09	+0.6	Sept. 12 L.	22.57	50.6 W.	June 25 Ei.Y.	56.54	11.4 W.
B. D. -22° 5296			19 Fk.	+0.07	+0.5	14 L.	22.55	50.2	Mean.....	56.520	11.20
$\alpha = 19^h 53^m$			29 M.	+0.06	+0.4	15 R.	22.59	51.0	Mag. corr....	+0.006	
$\delta = -22^\circ 28'$			31 M.	+0.02	+1.1	21 R.	22.45	51.2	15 Vulpeculae		
1904			Sept. 2 Fk.	+0.08	+0.7	22 L.	22.63	50.8	$\alpha = 19^h 56^m$		
June 18 Ei.Y.	38.64	56.3 W.	3 M.	+0.06	+1.3	24 L.	22.62	50.4	$\delta = +27^\circ 28'$		
23 Ei.Y.	38.66	55.3 W.	7 M.	+0.02	+0.6	25 R.	22.60	49.7	1903		
Sept. 16 Ei.Y.	38.65	56.6 E.	11 M.	+0.08	... W.	26 L.	22.58	50.6	Oct. 1 R.	59.02	37.4 W.
1906			1909			28 L.	22.57	50.4	1907		
Sept. 8 Ei.Y.	38.67	56.0 W.	June 14 L.	+0.01	+0.3 E.	1904			June 27 P.	58.90	37.4 E.
Mean.....	38.655	56.05	1910			June 14 Ei.Y.	22.57	50.3	Aug. 29 M.	59.02	38.2
Mag. corr....	+0.014		May 30 P.	+0.02	+1.0	July 30 Ei.Y.	22.59	50.7 W.	30 Hl.	58.95	38.3
γ Sagittae			June 23 L.	+0.01	+1.0	Sept. 7 Ei.Y.	22.62	50.6 E.	Sept. 7 M.	58.96	38.3
$\alpha = 19^h 54^m 18^s.619$			July 22 M.	+0.04	+0.7 E.	1906			11 Hl.	58.95	37.7 E.
$\delta = +19^\circ 13' 13''.71$			Mean.....	+0.048	+0.70	Sept. 11 Ei.Y.	22.59	51.1 W.	1908		
1904			Mag. corr....	-0.004		1907			June 22 Fk.	58.96	37.8 W.
May 24 R.	+0.06	+0.9 W.	B. D. -21° 5588			May 29 M.	22.53	50.2 E.	July 6 P.	58.98	39.0
27 Br.	+0.08	+0.3 W.	$\alpha = 19^h 54^m$						Aug. 15 Fk.	58.98	37.8
			$\delta = -21^\circ 7'$						20 P.	59.01	38.3 W.
			1904						Mean.....	58.973	38.02
			Aug. 3 Ei.Y.	30.78	47.0 W.				Mag. corr....	+0.002	
			6 Ei.Y.	30.73	46.7 W.						
			Sept. 10 Ei.Y.	30.73	46.6 E.						
			1906								
			June 25 Ei.Y.	30.74	47.0 W.						
			Mean.....	30.745	46.82						
			Mag. corr....	-0.001							

B. D. -18° 5578			Groombridge 3402			1905			B. D. -17° 5860		
$\alpha = 19^h 57^m$ $\delta = -18^\circ 49'$			$\alpha = 19^h 59^m$ $\delta = +88^\circ 49'$			s "			$\alpha = 20^h 1^m$ $\delta = -17^\circ 28'$		
1904			1907			1906			1904		
July 19	Ei.Y.	8.11 21.9 W.	June 16	M.	2.50 34.0 E.	July 9	Hi.	+0.01 ...	Aug. 3	Ei.Y.	20.43 54.9 W.
29	Ei.Y.	8.12 22.0 W.	July 5	M.	3.71 33.9	Aug. 4	Hi.	0.00 ...	6	Ei.Y.	20.40 54.5 W.
1905			30	Hi.	4.16 33.1	23	Ei.Y.	+0.01 -0.1	Oct. 5	Ei.Y.	20.46 55.0 E.
June 1	Ei.Y.	7.99 22.2 E.	Aug. 7	Hi.	5.92 34.4	Sept. 7	Ei.Y.	+0.03 -0.3	1906		
1906			31	M.	3.64 33.7 E.	19	Ei.Y.	+0.03 -0.8	Sept. 7	Ei.Y.	20.46 54.4 W.
Sept. 7	Ei.Y.	8.10 22.3 W.	1908			25	P.	-0.02 -0.3	Mean.....		
Mean.....			June 1	P.	2.88 35.6 W.	29	Hi.	+0.1 W.	20.438 54.70		
Mag. corr.			2	Fk.	2.04 34.1	1907			Mag. corr.		
+0.005			18	P.	1.02 34.1	Sept. 6	Hi.	0.00 +0.2 E.	+0.002		
			23	M.	4.21 34.6	15	Hi.P.	+0.01 +0.5			
			28	M.	3.39 34.6 W.	16	M.	+0.02 -0.1			
			Mean.....			20	P.	-0.04 -0.4			
			3.347 34.21			23	M.	-0.02 -0.4			
			Mag. corr.			25	P.	-0.01 +0.3			
			-0.003			26	M.	-0.04 +0.3			
						27	Hi.	-0.04 -0.1 E.			
						1908			C. P. D. -24° 6906		
									$\alpha = 20^h 1^m$ $\delta = -24^\circ 10'$		
									1904		
									s "		
									July 19		
									Ei.Y. 41.96 12.2 W.		
									29		
									Ei.Y. 41.97 12.6 W.		
									Oct. 1		
									Ei.Y. 41.97 11.8 E.		
									1906		
									Sept. 6		
									Ei.Y. 41.96 12.6 W.		
									Mean.....		
									41.965 12.30		
									Mag. corr.		
									+0.006		

1906	s	"	1906	s	"	1907	s	"	20 Vulpeculæ		
Sept. 8 Ei.Y.	42.87	2.7 W.	Aug. 23 Ei.Y.	31.36	49.3 W.	Aug. 26 Hl.	+0.06	+1.1 E.	$\alpha = 20^h 7^m$		
Mean.....	42.892	1.72	Mean.....	31.380	49.40	29 M.	+0.12	+0.9	$\delta = +26^\circ 10'$		
Mag. corr....	+0.008		Mag. corr....	0.000		Sept. 6 Hl.	+0.09	+0.5			
C. P. D. $-25^\circ 7008$			B. D. $-15^\circ 5576$			Oct. 1 Hl.	+0.09	...	1905		
$\alpha = 20^h 4^m$			$\alpha = 20^h 5^m$			2 P.	+0.05	...	Aug. 29 Br.	49.16	48.0 W.
$\delta = -25^\circ 34'$			$\delta = -15^\circ 47'$			3 P.	+0.06	...	Sept. 28 Hl.	49.12	49.2 W.
1904	s	"	1904	s	"	5 P.	+0.06	...	1907		
Aug. 3 Ei.Y.	5.14	36.5 W.	July 30 Ei.Y.	39.07	32.3 W.	8 P.	+0.04	...	June 27 P.	49.01	48.9 E.
6 Ei.Y.	5.17	37.3 W.	Aug. 15 Ei.Y.	39.11	31.4 W.	9 M.	+0.03	...	Aug. 31 M.	49.12	48.5
Sept. 10 Ei.Y.	5.17	36.7 E.	Sept. 15 Ei.Y.	39.10	31.4 E.	13 Hl.	+0.11	...	Sept. 16 M.	49.13	49.1
1906			1906			14 M.	+0.06	...	21 M.	49.09	48.6
June 25 Ei.Y.	5.16	36.6 W.	Sept. 19 Ei.Y.	39.16	32.2 W.	15 Hl.	+0.11	...	23 M.	49.04	48.8 E.
Mean.....	5.160	36.78	Mean.....	39.110	31.82	16 P.	+0.05	...	1908		
Mag. corr....	+0.009		Mag. corr....	-0.007		17 M.	+0.04	... E.	June 20 P.	49.14	48.0 W.
B. D. $-19^\circ 5731$			b^2 Cygni			1908			26 Fk.	49.06	48.7
$\alpha = 20^h 4^m$			$\alpha = 20^h 5^m$			June 1 P.	+0.02	+1.1 W.	July 6 P.	49.11	49.5 W.
$\delta = -19^\circ 40'$			$\delta = +36^\circ 32'$			2 Fk.	+0.06	+0.9	Mean.....	49.098	48.73
1904	s	"	1903	s	"	18 P.	+0.02	+0.4	Mag. corr....	-0.006	
July 19 Ei.Y.	37.87	27.8 W.	Sept. 21 R.	42.77	42.6 W.	22 Fk.	+0.07	...	66 Aquilæ		
29 Ei.Y.	37.85	28.2 W.	1905			26 Fk.	-0.01	...	$\alpha = 20^h 8^m$		
Oct. 5 Ei.Y.	37.82	27.9 E.	Sept. 22 Hl.	42.76	42.9	Aug. 9 Fk.	+0.04	+0.6	$\delta = -1^\circ 18'$		
1906			1906			Sept. 2 Fk.	+0.11	+0.8	1903	s	"
Sept. 7 Ei.Y.	37.83	28.0 W.	Sept. 29 Hl.	.....	42.4 W.	6 P.	+0.07	+0.6	Sept. 12 L.	4.16	32.4 W.
Mean.....	37.842	27.98	1907			11 M.	+0.04	...	14 L.	4.10	32.4
Mag. corr....	+0.008		June 14 P.	42.76	42.8 E.	Oct. 6 P.	+0.02	+0.8	22 L.	4.10	32.8
B. D. $+39^\circ 4054$			21 P.	42.74	43.0	7 L.	+0.12	+0.8	24 L.	4.17	32.0
$\alpha = 20^h 5^m$			Sept. 7 M.	42.82	43.2	12 M.	+0.07	+0.8	25 R.	4.14	32.3
$\delta = +39^\circ 30'$			12 M.P.	42.84	42.7	13 P.	+0.05	+1.2	26 L.	4.13	32.2
1906	s	"	13 Hl.M.	42.82	42.7 E.	14 M.	+0.07	+0.9	28 L.	4.09	32.4
Sept. 4 Br.	15.37	19.6 W.	1908			15 P.	+0.06	+0.8	30 L.	4.12	32.8
1908			June 7 M.	42.83	42.4 W.	16 M.	+0.04	+0.7 W.	1905		
July 28 Fk.	15.37	19.2	8 P.	42.84	43.3	1910			Aug. 26 Hl.	4.14	33.0 W.
29 P.	15.32	19.2	11 P.	42.73	42.4 W.	Aug. 6 L.	+0.07	+0.2 E.	1907		
Aug. 1 Fk.	15.25	18.9	Mean.....	42.791	42.76	Sept. 15 M.	+0.05	+0.6	Sept. 12 M.P.	4.15	32.2 E.
3 P.	15.29	19.6	Mag. corr....	+0.001		17 L.	+0.06	+0.6	13 Hl.M.	4.12	31.6
4 Fk.	15.36	19.2	θ Aquilæ			Oct. 10 M.	+0.06	+0.9 E.	14 P.M.	4.11	31.9
10 P.	15.30	19.3	$\alpha = 20^h 6^m 8^s.750$			Mean.....	+0.063	+0.67	25 P.	4.10	30.8
11 Fk.	15.27	19.4	$\delta = -1^\circ 7' 5''.33$			Mag. corr....	-0.001		26 M.	4.16	32.1 E.
18 P.	15.35	20.0	1903	s	"	B. D. $-12^\circ 5664$			Mean.....	4.128	32.21
29 M.	15.39	19.2	Oct. 1 R.	+0.08	+0.2 W.	$\alpha = 20^h 6^m$			Mag. corr....	-0.002	
31 M.	15.24	19.6	7 R.	+0.05	+0.1	$\delta = -12^\circ 41'$			B. D. $-22^\circ 5372$		
Sept. 3 M.	15.26	19.9	20 Br.	+0.01	-0.9	1904	s	"	$\alpha = 20^h 8^m$		
7 M.	15.31	19.3 W.	1904			Aug. 3 Ei.Y.	25.50	21.5 W.	$\delta = -22^\circ 20'$		
Mean.....	15.314	19.42	May 27 Br.	+0.06	+0.7	6 Ei.Y.	25.45	21.6 W.	1904	s	"
Mag. corr....	+0.006		June 14 Ei.Y.	+0.08	+1.2	Sept. 7 Ei.Y.	25.48	22.1 E.	July 18 Ei.Y.	25.18	26.0 W.
C. P. D. $-24^\circ 6922$			July 6 Ei.Y.	+0.06	-0.4 W.	1906			27 Ei.Y.	25.28	26.4 W.
$\alpha = 20^h 5^m$			1905			Sept. 11 Ei.Y.	25.46	21.6 W.	Oct. 5 Ei.Y.	25.20	26.3 E.
$\delta = -24^\circ 31'$			May 28 Hl.	+0.09	+0.7 E.	Mean.....	25.472	21.70	1906		
1904	s	"	June 1 Ei.Y.	+0.08	+0.7	Mag. corr....	+0.019		Sept. 7 Ei.Y.	25.17	26.2 W.
July 18 Ei.Y.	29.93	19.7 W.	2 Hl.	+0.04	+1.0	B. D. $-13^\circ 5608$			Mean.....	25.208	26.22
Aug. 11 Ei.Y.	29.93	18.5 W.	19 Hl.	+0.05	+1.1 E.	$\alpha = 20^h 6^m$			Mag. corr....	+0.001	
Oct. 1 Ei.Y.	29.90	19.4 E.	Sept. 7 Bs.	+0.07	+0.7 W.	$\delta = -12^\circ 54'$			B. D. $-18^\circ 5626$		
1906			8 Hl.	+0.06	+0.6	1904	s	"	$\alpha = 20^h 8^m$		
Sept. 6 Ei.Y.	29.98	19.8 W.	1906			June 18 Ei.Y.	51.72	38.0 W.	$\delta = -18^\circ 23'$		
Mean.....	29.935	19.35	July 9 Hl.	+0.05	...	23 Ei.Y.	51.76	37.5 W.	1904	s	"
Mag. corr....	-0.001		Aug. 4 Hl.	+0.05	...	Oct. 5 Ei.Y.	51.68	38.0 E.	July 30 Ei.Y.	43.46	49.1 W.
B. D. $-22^\circ 5354$			15 Ei.Y.	+0.12	+0.9	1906			Aug. 15 Ei.Y.	43.45	48.6 W.
$\alpha = 20^h 5^m$			Oct. 8 Hl.	+0.09	+0.7 W.	Sept. 8 Ei.Y.	51.75	39.1 W.	Oct. 1 Ei.Y.	43.47	48.5 E.
$\delta = -22^\circ 14'$			1907			Mean.....	51.728	38.15	1906		
1904	s	"	May 28 P.	+0.05	-0.2 E.	C. P. D. $-26^\circ 6950$			Sept. 6 Ei.Y.	43.50	49.0 W.
June 17 Ei.Y.	31.43	48.9 W.	June 6 M.	+0.13	+0.8	$\alpha = 20^h 6^m$			Mean.....	43.470	48.80
22 Ei.Y.	31.37	48.9 W.	16 M.	+0.07	+0.2	$\delta = -26^\circ 29'$			Mag. corr....	+0.002	
Sept. 29 Ei.Y.	31.36	50.5 E.	24 Hl.	+0.02	+0.7	1904	s	"	B. D. $-19^\circ 5753$		
B. D. $-22^\circ 5354$			25 P.	+0.04	+0.6	July 19 Ei.Y.	52.81	22.3 W.	$\alpha = 20^h 8^m$		
$\alpha = 20^h 5^m$			26 Hl.	+0.08	+1.1	29 Ei.Y.	52.77	23.2 W.	$\delta = -19^\circ 30'$		
$\delta = -22^\circ 14'$			30 P.	+0.11	+1.0	Sept. 10 Ei.Y.	52.79	22.1 E.	1904	s	"
1904	s	"	July 3 P.	+0.07	+0.8	1906			June 17 Ei.Y.	56.06	35.5 W.
June 17 Ei.Y.	31.43	48.9 W.	5 M.	+0.04	+0.6	June 25 Ei.Y.	52.77	22.5 W.	22 Ei.Y.	56.00	35.1 W.
22 Ei.Y.	31.37	48.9 W.	23 P.	+0.06	+1.5 E.	Mean.....	52.785	22.52			
Sept. 29 Ei.Y.	31.36	50.5 E.				Mag. corr....	-0.010				

1904	s	"	1906	s	"	1908	s	"	1907	s	"
Sept. 29 Ei.Y.	56.04	37.1 E.	June 25 Ei.Y.	45.60	14.4 W.	Sept. 3 M.	18.51	19.0 W.	Oct. 13 Hl.	0.00	-0.4 E.
1906						7 M.	18.56	18.4 W.	17 M.	-0.01	-0.6 E.
Aug. 23 Ei.Y.	56.02	35.7 W.	Mean.....	45.605	13.62	Mean.....	18.551	18.40	1908		
Mean.....	56.030	35.85	Mag. corr....	-0.005		Mag. corr....	+0.008		June 11 P.	-0.02	-0.5 W.
Mag. corr....	0.000								July 10 Fk.	-0.03	-0.2
			68 Draconis			B. D. -20° 5870			15 M.	-0.05	-0.3
C. P. D. -27° 6972			$\alpha = 20^h 9^m$			$\alpha = 20^h 10^m$			16 P.	+0.03	-0.7
$\alpha = 20^h 9^m$			$\delta = +61^\circ 46'$			$\delta = -20^\circ 19'$			Sept. 6 P.	+0.09	-0.9 W.
$\delta = -27^\circ 19'$									Mean.....	+0.021	-0.50
1904	s	"	1906	s	"	1904	s	"	Mag. corr....	+0.002	
June 14 Ei.Y.	3.58	53.4 W.	Sept. 21 Hl.	56.66	32.6 W.	July 30 Ei.Y.	27.23	41.7 W.	B. D. -15° 5606		
Aug. 11 Ei.Y.	3.61	54.1 W.	June 16 M.	56.71	33.1 E.	Aug. 15 Ei.Y.	27.23	41.0 W.	$\alpha = 20^h 11^m$		
Sept. 15 Ei.Y.	3.67	54.0 E.	Sept. 15 Hl.P.	56.79	32.8	Oct. 1 Ei.Y.	27.20	41.0 E.	$\delta = -15^\circ 29'$		
1906			20 P.	56.69	33.8	1906			1904	s	"
Sept. 19 Ei.Y.	3.82	54.2 W.	Oct. 1 Hl.	56.78	33.3	Sept. 6 Ei.Y.	27.26	41.9 W.	Aug. 3 Ei.Y.	7.85	18.0 W.
Mean.....	3.670	53.92	2 P.	56.82	33.3 E.	Mean.....	27.230	41.40	6 Ei.Y.	7.88	18.4 W.
Mag. corr....	+0.027		1908			Mag. corr....	+0.001		Sept. 7 Ei.Y.	7.91	18.1 E.
			June 22 Fk.	56.76	33.4 W.				1906		
B. D. -17° 5913			July 13 P.	56.83	33.3	$\alpha = 20^h 10^m$			Sept. 11 Ei.Y.	7.91	18.8 W.
$\alpha = 20^h 9^m$			20 P.	56.81	32.9	$\delta = +46^\circ 26'$			Mean.....	7.888	18.32
$\delta = -17^\circ 9'$			Aug. 20 P.	56.74	33.3 W.				Mag. corr....	+0.002	
1904	s	"	Mean.....	56.759	33.18						
Aug. 3 Ei.Y.	31.74	14.9 W.	Mag. corr....	-0.001		1906	s	"	B. D. -18° 5637		
6 Ei.Y.	31.80	14.9 W.				Sept. 29 Hl.	.....	+0.1 W.	$\alpha = 20^h 11^m$		
Sept. 7 Ei.Y.	31.77	15.1 E.	30 Cygni			Oct. 8 Hl.	-0.04	+0.5 W.	$\delta = -18^\circ 44'$		
1906			$\alpha = 20^h 10^m$			1907			1904	s	"
Sept. 11 Ei.Y.	31.73	15.4 W.	$\delta = +46^\circ 30'$			June 6 M.	-0.04	-0.4 E.	June 18 Ei.Y.	15.39	20.4 W.
Mean.....	31.760	15.08	1903	s	"	26 Hl.	-0.14	+0.1	23 Ei.Y.	15.36	20.6 W.
Mag. corr....	+0.002		Oct. 7 R.	9.53	47.1 W.	Oct. 9 M.	-0.06	+0.6	Sept. 16 Ei.Y.	15.35	21.2 E.
			1907			12 M.	0.00	-0.2	1906		
B. D. -13° 5619			July 5 M.	9.46	47.1 E.	14 M.	+0.03	+0.2 E.	Sept. 8 Ei.Y.	15.36	21.1 W.
$\alpha = 20^h 9^m$			23 P.	9.49	47.1	1908			Mean.....	15.365	20.82
$\delta = -13^\circ 41'$			Sept. 7 M.	9.51	47.0	June 2 Fk.	+0.02	-0.1 W.	Mag. corr....	+0.009	
1904	s	"	Oct. 3 P.	9.42	46.8	7 M.	-0.08	+0.1			
June 18 Ei.Y.	32.74	12.9 W.	8 P.	9.46	47.8 E.	8 P.	-0.01	+0.6 W.			
23 Ei.Y.	32.72	12.5 W.	1908			Mean.....	-0.036	+0.15			
Sept. 16 Ei.Y.	32.66	13.7 E.	June 1 P.	9.42	48.4 W.	Mag. corr....	-0.006				
1906			18 P.	9.34	46.5				α^1 Capricorni		
			20 P.	9.40	46.9	B. D. -12° 5680			$\alpha = 20^h 12^m 6^s.361$		
Sept. 8 Ei.Y.	32.66	13.2 W.	Aug. 15 Fk.	9.45	47.0 W.	$\alpha = 20^h 10^m$			$\delta = -12^\circ 49' 2''.28$		
Mean.....	32.695	13.08	Mean.....	9.448	47.17	$\delta = -12^\circ 38'$			1903	s	"
Mag. corr....	+0.010		Mag. corr....	0.000					Sept. 15 R.	+0.02	+0.2 W.
			C. P. D. -23° 7684			1904	s	"	30 L.	+0.06	+0.2
ρ Aquilæ			$\alpha = 20^h 10^m$			June 17 Ei.Y.	50.70	34.8 W.	1904		
$\alpha = 20^h 9^m$			$\delta = -23^\circ 48'$			22 Ei.Y.	50.66	34.8 W.	July 19 Ei.Y.	+0.09	+0.7
$\delta = +14^\circ 53'$						Sept. 29 Ei.Y.	50.66	36.7 E.	29 Ei.Y.	+0.05	+0.5 W.
1903	s	"	1904	s	"	1906			Sept. 10 Ei.Y.	+0.08	+0.7 E.
Sept. 29 R.	39.05	34.8 W.	July 18 Ei.Y.	15.25	56.2 W.	Aug. 23 Ei.Y.	50.68	35.2 W.	1906		
Oct. 12 L.	38.98	34.2 W.	27 Ei.Y.	15.32	56.3 W.	Mean.....	50.675	35.38	June 25 Ei.Y.	-0.01	+0.5 W.
1907			Oct. 5 Ei.Y.	15.30	56.3 E.	Mag. corr....	+0.019		1907		
June 14 P.	38.96	34.6 E.	1906			B. D. -21° 5669			Sept. 21 M.	+0.06	0.0 E.
Sept. 11 Hl.	39.03	34.6	Sept. 7 Ei.Y.	15.24	56.5 W.	$\alpha = 20^h 10^m$			23 M.	+0.09	-0.2
30 M.	39.12	35.6	Mean.....	15.278	56.32	$\delta = -21^\circ 14'$			25 P.	+0.04	+1.3
Oct. 15 Hl.	39.06	35.6	Mag. corr....	+0.005					26 M.	+0.08	-0.1
16 P.	39.06	35.3 E.				1904	s	"	Oct. 16 P.	+0.12	+0.2 E.
1908			B. D. +38° 3963			Aug. 11 Ei.Y.	57.18	24.3 W.	1908		
June 13 P.	39.07	35.6 W.	$\alpha = 20^h 10^m$			12 Ei.Y.	57.14	23.7 W.	June 28 M.	+0.10	-0.2 W.
15 P.	39.03	36.1	$\delta = +38^\circ 51'$			Sept. 15 Ei.Y.	57.25	24.0 E.	July 1 Fk.	+0.01	-0.4
16 Fk.	39.00	35.4 W.				1906			Aug. 19 Fk.	-0.04	+0.3 W.
Mean.....	39.036	35.18	1906	s	"	Sept. 19 Ei.Y.	57.17	24.4 W.	Mean.....	+0.054	+0.26
Mag. corr....	0.000		Aug. 31 Br.	18.48	18.3 W.	Mean.....	57.185	24.10	Mag. corr....	+0.005	
			Sept. 4 Br.	18.56	18.1	Mag. corr....	-0.005				
B. D. -15° 5597			1908						4 Capricorni		
$\alpha = 20^h 9^m$			July 28 Fk.	18.62	18.6	33 Cygni			$\alpha = 20^h 12^m$		
$\delta = -15^\circ 5'$			29 P.	18.58	18.2	$\alpha = 20^h 11^m 4^s.483$			$\delta = -22^\circ 7'$		
1904	s	"	Aug. 1 Fk.	18.54	18.3	$\delta = +56^\circ 15' 43''.46$			1904	s	"
July 19 Ei.Y.	45.63	13.6 W.	3 P.	18.57	18.7				July 18 Ei.Y.	8.99	7.7 W.
Aug. 12 Ei.Y.	45.57	13.1 W.	4 Fk.	18.53	18.2	1903	s	"	27 Ei.Y.	8.96	8.0 W.
Sept. 10 Ei.Y.	45.62	13.4 E.	10 P.	18.55	18.0	Oct. 1 R.	+0.08	-0.3 W.	Oct. 5 Ei.Y.	9.02	7.8 E.
			11 Fk.	18.55	18.7	1907			1906		
			18 P.	18.53	18.6	Sept. 27 Hl.	+0.02	... E.	July 6 Bs.	9.03	7.2 W.
			29 M.	18.62	18.2	Oct. 1 Hl.	+0.09	-0.1			
			31 M.	18.52	18.3 W.	2 P.	+0.01	-0.4			
						5 P.	+0.04	-0.6 E.			

1906				1909				1908				1904			
Sept. 7	Ei.Y.	8.98	8.1 W.	Oct. 26	L.	+0.11	+0.7 E.	June 26	Fk.	+0.06	+0.4 W.	Sept. 16	Ei.Y.	0.65	4.2 E.
1907				28	P.	+0.22	+0.7	Sept. 2	Fk.	+0.02	+0.7	1906			
Sept. 13	Hl.M.	9.02	7.3 E.	31	M.	+0.02	+1.0	Oct. 6	P.	+0.05	+0.3	Sept. 8	Ei.Y.	0.60	3.6 W.
14	P.M.	9.07	7.8	Nov. 3	M.	-0.16	+0.2	12	M.	+0.10	+0.6	Mean.....		0.620	3.58
Oct. 8	P.	9.00	7.0	10	M.	-0.01	+0.3	13	P.	+0.03	+0.6	Mag. corr....		0.000	
9	M.	9.02	7.3	11	L.	+0.14	-0.3	14	M.	+0.11	+0.7	B. D. -13° 5642			
15	Hl.	9.06	8.0 E.	1910				15	P.	+0.01	-0.2	$\alpha = 20^h 15^m$			
1908				Apr. 8	P.	+0.15	+0.1	20	P.	+0.08	-0.2	$\delta = -13^\circ 4'$			
July 5	M.	8.98	8.2 W.	22	P.	[+0.12] [+1.0]		26	M.	+0.08	-0.2	1904			
6	P.	8.94	8.0	May 6	P.	[+0.21] [-0.4]		27	P.	+0.06	+0.2 W.	Aug. 3	Ei.Y.	7.17	25.6 W.
8	M.	9.02	8.5	19	M.	[+0.39] [0.0]		1909				6	Ei.Y.	7.12	25.2 W.
13	P.	8.96	8.4 W.	Oct. 28	L.	+0.04	+1.5	July 4	M.	....	-0.4 E.	Sept. 10	Ei.Y.	7.08	25.4 E.
Mean.....		9.004	7.81	30	M.	+0.08	+0.7	8	L.	+0.02	+0.6	1906			
Mag. corr....		-0.006		31	P.	+0.08	+0.6	11	L.	+0.13	+0.4	June 25	Ei.Y.	7.09	24.8 W.
κ Cephei				Nov. 1	M.	-0.29	-0.2	13	L.	+0.09	+0.5	Mean.....		7.115	25.25
$\alpha = 20^h 12^m 15^s.776$				1911				14	P.	+0.07	0.0	Mag. corr....		+0.003	
$\delta = +77^\circ 24' 37''.38$				Apr. 10	M.	-0.13	0.0 E.	25	P.	+0.04	+0.2	B. D. -15° 5626			
1905				Mean.....		+0.093	+0.30	28	P.	+0.02	-0.2	$\alpha = 20^h 15^m$			
Aug. 23	Hl.	-0.21	+0.7 W.	Mag. corr....		+0.005		1910				$\delta = -15^\circ 5'$			
Sept. 7	Bs.	+0.25	+0.8	24 Vulpeculæ				May 28	P.	+0.05	-0.1	1904			
22	Hl.	-0.12	+0.1 W.	$\alpha = 20^h 12^m 30^s.378$				June 26	M.	+0.07	+0.5	July 19	Ei.Y.	9.52	59.9 W.
1907				$\delta = +24^\circ 21' 46''.43$				July 22	M.	+0.08	-0.1	Aug. 15	Ei.Y.	9.60	60.0 W.
June 27	P.	-0.41	+0.2 E.	1904				23	P.	+0.04	+0.3	Oct. 5	Ei.Y.	9.49	60.0 E.
Sept. 15	Hl.P.	+0.04	0.0	June 3	Br.	+0.01	+0.4 W.	24	M.	+0.07	+0.1	1906			
16	M.	+0.06	+0.1	1907				Aug. 18	P.	+0.05	-0.1	Sept. 7	Ei.Y.	9.51	60.7 W.
20	P.	-0.22	+0.6	Aug. 31	M.	+0.01	+0.3 E.	Sept. 15	M.	+0.12	+0.5	Mean.....		9.530	60.15
Oct. 3	P.	+0.02	+0.3 E.	Sept. 30	M.	-0.02	+0.9	Oct. 12	L.	+0.07	+1.0	Mag. corr....		+0.021	
1908				Oct. 5	P.	+0.06	+0.8	28	P.	+0.02	+1.1 E.	β Capricorni			
July 27	P.	+0.06	-0.1 W.	12	M.	0.00	+0.3	Mean.....		+0.060	+0.46	$\alpha = 20^h 15^m 23^s.663$			
Aug. 9	Fk.	-0.08	+0.1 W.	14	M.	+0.01	+0.7 E.	Mag. corr....		-0.004		$\delta = -15^\circ 5' 49''.97$			
1909				1908				B. D. -21° 5684				1903			
Oct. 20	M.	....	-0.4 E.	June 12	Fk.	-0.04	+0.9 W.	$\alpha = 20^h 13^m$				Sept. 3	Ei.Y.	0.00	-0.1 W.
25	M.	-0.03	-0.8	13	P.	+0.06	+1.2	$\delta = -21^\circ 15'$				5	Ei.Y.	+0.06	-0.3
26	P.	+0.25	+0.1	15	P.	-0.02	+1.0	1904				30	L.	+0.03	+0.1
28	M.	+0.19	-1.0	16	Fk.	-0.05	+0.5 W.	June 17	Ei.Y.	35.76	47.5 W.	Oct. 7	R.	+0.04	-0.1
29	P.	+0.12	-0.6	Mean.....		+0.002	+0.70	22	Ei.Y.	35.70	47.2 W.	12	L.	+0.04	-0.4
30	L.	+0.03	0.0	Mag. corr....		-0.002		Sept. 29	Ei.Y.	35.72	48.6 E.	13	Br.	+0.11	-0.3
Nov. 11	M.	[+0.03] [+0.5]		α^2 Capricorni				1906				15	L.	+0.02	+0.1
12	L.	[-0.16] [+0.1]		$\alpha = 20^h 12^m 30^s.448$				Aug. 23	Ei.Y.	35.72	47.4 W.	20	Br.	+0.01	-0.8
1910				$\delta = -12^\circ 51' 17''.44$				Mean.....		35.725	47.68	1904			
Apr. 14	P.	[-0.02] [-0.3]		1903				Mag. corr....		+0.016		June 13	Ei.Y.	+0.02	+1.4
25	P.	[+0.04] [-0.5]		Sept. 3	Ei.Y.	+0.07	+0.3 W.	B. D. -19° 5776				18	Ei.Y.	+0.08	+0.9
27	M.	[+0.17] [+0.6]		12	L.	+0.06	+0.5	$\alpha = 20^h 13^m$				23	Ei.Y.	+0.06	+1.0
30	P.	[-0.23] [+0.3]		14	L.	+0.07	+0.2	$\delta = -19^\circ 25'$				July 13	R.	+0.03	+0.6
May 4	M.	[+0.03] [+0.4]		21	R.	+0.03	+0.1	1904				18	Ei.Y.	+0.06	+0.4
Oct. 29	L.	....	-0.2	22	L.	+0.08	+0.2	Aug. 11	Ei.Y.	37.54	49.8 W.	25	Ei.Y.	+0.02	+0.4
31	M.	-0.13	+0.5	24	L.	+0.11	+1.2	12	Ei.Y.	37.52	49.5 W.	27	Ei.Y.	+0.03	+0.2
Nov. 7	M.	[+0.11] [+0.3]		25	R.	+0.12	+1.4	Sept. 15	Ei.Y.	37.53	50.2 E.	30	Ei.Y.	+0.02	+0.2
18	P.	....	+1.0	26	L.	+0.11	+0.5	1906				Aug. 11	Ei.Y.	+0.06	+0.8
1911				28	L.	+0.06	+0.7	Sept. 19	Ei.Y.	37.59	49.9 W.	12	Ei.Y.	+0.03	+0.8 W.
Apr. 9	M.	[+0.29] [+0.2] E.		1904				Mean.....		37.545	49.85	Oct. 1	Ei.Y.	0.00	+0.9 E.
Mean.....		-0.011	+0.02	May 27	Br.	+0.09	+1.0	Mag. corr....		-0.005		1905			
Mag. corr....		+0.003		June 13	Ei.Y.	+0.11	+1.4	C. P. D. -25° 7042				May 28	Hl.	+0.03	+1.4
κ Cephei s. P.				14	Ei.Y.	+0.08	+1.0	$\alpha = 20^h 13^m$				June 2	Hl.	+0.08	+0.9
$\alpha = 20^h 12^m 15^s.777$				July 6	Ei.Y.	+0.05	+0.3	$\delta = -25^\circ 32'$				19	Hl.	+0.11	+0.9
$\delta = +77^\circ 24' 37''.39$				30	Ei.Y.	+0.03	+0.3	1904				21	Hl.	+0.08	+0.2 E.
1906				Aug. 15	Ei.Y.	+0.05	+1.0 W.	July 6	Ei.Y.	46.27	15.4 W.	Aug. 29	Br.	+0.01	+0.2 W.
Feb. 19	Bs.	+0.20	+0.7 W.	Sept. 21	M.	+0.08	+0.3 E.	Sept. 7	Ei.Y.	46.22	15.2 E.	Sept. 6	Hl.	+0.08	+1.4
28	Bs.	+0.21	+0.6	28	M.	+0.02	+0.2	1906				7	Bs.	+0.02	-0.1
Mar. 6	Br.	+0.15	+0.5	Oct. 1	Ei.Y.	+0.04	+1.3	Sept. 11	Ei.Y.	46.21	15.7 W.	8	Hl.	+0.03	+0.6
21	Bs.	+0.15	-0.8	3	M.	+0.04	+0.3	Mean.....		46.235	15.25	14	Bs.	+0.04	+0.5
23	Br.	+0.16	+0.3 W.	19	M.	+0.03	+1.0 E.	Mag. corr....		+0.012		19	Bs.	+0.03	+0.4
1907				1906				B. D. -17° 5936				21	Bs.	+0.02	+0.3
Oct. 30	M.	+0.08	+0.2 E.	July 7	Ei.Y.	+0.04	+0.5 W.	$\alpha = 20^h 14^m$				28	Hl.	+0.04	-0.1
Nov. 5	P.	+0.19	+0.5	9	Hl.	+0.03	....	$\delta = -17^\circ 48'$				1906			
14	Hl.	+0.16	-0.6	Sept. 6	Ei.Y.	+0.06	+0.3	1904				July 6	Bs.	+0.07	+0.8
Dec. 24	P.	+0.17	+0.2	20	Ei.Y.	+0.09	+0.5	July 18	Ei.Y.	0.61	3.4 W.	7	Ei.Y.	0.00	+0.5
1908				24	Ei.Y.	+0.08	+1.4 W.	23	Ei.Y.	0.62	3.1 W.	Aug. 31	Br.	+0.08	-0.4
Jan. 16	P.	+0.38	-0.7	1907				B. D. -17° 5936				Sept. 4	Br.	+0.01	-0.4
1909				June 21	P.	+0.03	+0.4 E.	$\alpha = 20^h 14^m$				6	Ei.Y.	+0.02	+0.1 W.
Oct. 19	M.	[-0.11] [+0.6]		30	P.	+0.05	+0.5	$\delta = -17^\circ 48'$							
25	P.	+0.05	+0.8 E.	July 30	Hl.	0.00	0.0	1904							
				Aug. 15	P.	+0.05	....	s							
				30	Hl.	-0.02	+0.5 E.	"							

1906			1903			1906			1906		
Sept. 8	Ei.Y.	+0.07 +0.1 W.	Sept. 24	L.	37.78 16.6 W.	Sept. 7	Ei.Y.	36.42 21.1 W.	July 7	Ei.Y.	16.98 20.7 W.
20	Ei.Y.	+0.11 +0.5	26	L.	37.76 16.0	Mean.....	36.420 20.60	Mean.....	16.958 21.00		
21	Hl.	+0.02 +0.2	28	L.	37.82 15.5	Mag. corr....	+0.013	Mag. corr....	-0.003		
24	Ei.Y.	+0.05 +1.0	29	R.	37.78 16.1						
Oct. 11	Br.	+0.09 +1.3 W.	Oct. 6	Br.	37.74 14.8 W.						
1907			1907			γ Cygni			B. D. -17° 5975		
June 3	P.	+0.06 -0.7 E.	June 14	P.	37.68 (17.7) E.	$\alpha = 20^h 18^m 38^s .357$		$\alpha = 20^h 20^m$			
6	M.	+0.07 +0.8	30	P.	37.76 15.9	$\delta = +39^\circ 56' 11'' .28$		$\delta = -17^\circ 42'$			
16	M.	+0.05 -0.6	July 3	P.	37.75 15.9						
24	Hl.	+0.01 +0.5	7	Hl.	37.79 15.5						
25	P.	+0.05 -0.1	Sept. 12	M.P.	37.63 E.						
26	Hl.	+0.04 +0.1									
July 4	Hl.	+0.05 +0.2	Mean.....		37.757 15.84						
5	M.	+0.04 +0.1	Mag. corr....		+0.007						
23	P.	0.00 -0.2									
30	Hl.	+0.07 +0.2	B. D. -16° 5581								
Aug. 7	Hl.	+0.05 0.0	$\alpha = 20^h 16^m$								
31	M.	+0.02 +0.9	$\delta = -16^\circ 50'$								
Sept. 7	M.	+0.01 +0.2									
11	Hl.	+0.03 ...	1904								
13	Hl.M.	+0.05 +0.4	July 30	Ei.Y.	53.06 22.1 W.						
14	P.M.	+0.07 -0.4	Aug. 15	Ei.Y.	53.12 21.6 W.						
15	Hl.P.	+0.05 -0.5 E.	Sept. 15	Ei.Y.	53.10 22.0 E.						
1908			1906			Mean.....			B. D. -21° 5719		
June 1	P.	+0.03 +0.5 W.	Sept. 19	Ei.Y.	53.09 22.1 W.			$\alpha = 20^h 21^m$			
2	Fk.	+0.09 +0.4	Mean.....		53.092 21.95			$\delta = -21^\circ 8'$			
7	M.	+0.06 -0.1	Mag. corr....		-0.005						
8	P.	+0.07 0.0									
11	P.	+0.03 -0.3	B. D. -14° 5732								
18	P.	+0.04 -0.3	$\alpha = 20^h 17^m$								
22	Fk.	+0.05 +0.6	$\delta = -14^\circ 34'$								
23	M.	+0.07 ...	1904								
July 28	Fk.	+0.07 +0.2	July 6	Ei.Y.	50.79 37.4 W.						
29	P.	+0.02 +0.7	Aug. 6	Ei.Y.	50.78 36.9 W.						
Aug. 1	Fk.	+0.06 +0.1	Sept. 7	Ei.Y.	50.75 36.9 E.						
3	P.	+0.05 0.0	1906								
4	Fk.	-0.02 ...	Sept. 11	Ei.Y.	50.72 36.9 W.						
10	P.	0.00 +0.7	Mean.....		50.760 37.02						
11	Fk.	+0.04 +0.4	Mag. corr....		+0.015						
18	P.	-0.02 +0.1									
29	M.	+0.05 -0.1	B. D. -22° 5419								
31	M.	+0.08 +0.6	$\alpha = 20^h 18^m$								
Sept. 2	Fk.	-0.01 +0.8	$\delta = -22^\circ 22'$								
3	M.	+0.02 +0.8	1904								
7	M.	+0.04 +0.3 W.	June 18	Ei.Y.	29.48 17.6 W.						
1909			23	Ei.Y.	29.42 16.6 W.						
June 6	M.	.... +0.1 E.	Sept. 16	Ei.Y.	29.45 18.1 E.						
Sept. 24	M.	+0.04 +0.9	1906								
1910			Sept. 8	Ei.Y.	29.41 17.3 W.						
May 28	P.	+0.05 +0.1	Mean.....		29.440 17.40						
July 23	P.	+0.04 -0.2	Mag. corr....		-0.001						
Oct. 11	P.	+0.05 +0.5									
12	L.	+0.01 +1.2	B. D. -13° 5661								
28	P.	+0.01 +0.7 E.	$\alpha = 20^h 18^m$								
Mean.....		+0.042 +0.31	$\delta = -13^\circ 43'$								
Mag. corr....		-0.001									
C. P. D. -23° 7723			1904			B. D. +37° 3916			1906		
			Aug. 11	Ei.Y.	32.92 5.6 W.	$\alpha = 20^h 19^m$		$\alpha = 20^h 19^m$			
			12	Ei.Y.	32.93 5.6 W.	$\delta = +37^\circ 9'$		$\delta = +37^\circ 9'$			
			Sept. 10	Ei.Y.	32.91 6.4 E.						
			1906								
			June 25	Ei.Y.	32.88 6.4 W.						
			Mean.....		32.910 6.00						
			Mag. corr....		0.000						
			C. P. D. -26° 6996								
			$\alpha = 20^h 18^m$								
			$\delta = -26^\circ 9'$								
			1904								
			July 18	Ei.Y.	36.43 21.0 W.						
			Aug. 15	Ei.Y.	36.43 19.8 W.						
			Oct. 5	Ei.Y.	36.40 20.5 E.						
			C. P. D. -25° 7071								
			$\alpha = 20^h 20^m$								
			$\delta = -25^\circ 16'$								
			1904								
			July 17	Ei.Y.	16.98 20.5 W.						
			22	Ei.Y.	16.95 21.3 W.						
			Sept. 29	Ei.Y.	16.92 21.5 E.						

1907			1904			1908			B. D. -22° 5442		
Sept. 11	Hl.	+0.04	Oct. 1	Ei.Y.	48.62	Oct. 20	P.	+0.05	$\alpha = 20^h 23^m$		
12	M.P.	+0.09	1906			26	M.	-0.02	$\delta = -22^\circ 43'$		
13	Hl.M.	+0.10	Sept. 6	Ei.Y.	48.64	27	P.	-0.03			
14	P.M.	+0.10				30	P.	+0.02			
15	Hl.P.	+0.06	Mean.....	48.625	46.50	31	L.	+0.02			
16	M.	+0.04	Mag. corr....	+0.013		Nov. 1	P.	+0.05			
21	M.	+0.02				2	M.	+0.08			
25	P.	+0.03	B. D. -16° 5609			3	P.	-0.02			
26	M.	+0.03	$\alpha = 20^h 23^m$								
Oct. 17	M.	+0.09	$\delta = -16^\circ 4'$								
1908			1904			1909			1904		
June 8	P.	+0.06	June 17	Ei.Y.	5.60	June 6	M.	....	July 30	Ei.Y.	39.34
11	P.	+0.03	22	Ei.Y.	5.58	Aug. 1	P.	....	Aug. 15	Ei.Y.	39.38
12	Fk.	-0.01	Sept. 29	Ei.Y.	5.52	Sept. 8	L.	+0.02	Oct. 5	Ei.Y.	39.34
13	P.	+0.08	1906			13	L.	+0.08	1906		
15	P.	+0.09	July 7	Ei.Y.	5.58	14	P.	+0.07	Sept. 7	Ei.Y.	39.30
26	Fk.	+0.07	Mean.....	5.570	20.90	25	P.	+0.02	Mean.....	39.340	23.18
28	M.	+0.06	Mag. corr....	-0.015		28	P.	+0.02	Mag. corr....	+0.021	
July 1	Fk.	+0.06	ρ Capricorni			Oct. 22	M.	+0.05	40 Cygni		
8	M.	+0.06	$\alpha = 20^h 23^m$	9° 44.9					$\alpha = 20^h 23^m$		
28	Fk.	+0.05	$\delta = -18^\circ 8'$	39° 70					$\delta = +38^\circ 6'$		
29	P.	+0.11	1903			1910			1905		
Aug. 1	Fk.	+0.08	Sept. 10	Ei.Y.	+0.01	May 28	P.	+0.11	Sept. 14	Bs.	51.95
3	P.	+0.07	29	R.	+0.03	June 26	M.	+0.06	19	Bs.	51.89
4	Fk.	+0.15	Oct. 12	L.	0.00	July 22	M.	+0.07	28	Hl.	51.98
10	P.	+0.05	13	Br.	+0.04	23	P.	0.00			
11	Fk.	+0.07	15	L.	0.00	24	M.	+0.03	1906		
18	P.	+0.01	19	L.	+0.05	Sept. 15	M.	+0.08	Sept. 29	Hl.	....
29	M.	+0.06	20	Br.	+0.01	Oct. 11	P.	+0.09	Oct. 8	Hl.	51.95
31	M.	+0.04				12	L.	+0.05	1907		
Sept. 3	M.	+0.05	1904			28	P.	+0.05	June 3	P.	51.97
7	M.	-0.01	June 3	Br.	+0.04	Nov. 7	M.	+0.02	26	Hl.	51.89
1909			15	R.	+0.03	8	P.	+0.04	27	P.	51.88
July 4	M.	....	20	Br.	+0.02	9	L.	+0.01	July 23	P.	52.06
Aug. 1	P.	....	26	R.	+0.03	Mean.....	+0.032	+0.64	Sept. 12	M.P.	51.91
1910			July 13	R.	+0.02	Mag. corr....	0.000		Mean.....	51.942	41.84
May 28	P.	+0.07	17	M.	+0.04	B. D. -21° 5729			Mag. corr....	-0.002	
July 22	M.	+0.04	25	Ei.Y.	+0.04	$\alpha = 20^h 23^m$			B. D. -13° 5680		
Sept. 15	M.	+0.06	27	Ei.Y.	+0.04	$\delta = -21^\circ 13'$			$\alpha = 20^h 23^m$		
Oct. 11	P.	+0.10	Sept. 15	Ei.Y.	+0.04	1904			$\delta = -12^\circ 55'$		
28	P.	+0.07	21	M.	+0.02	July 6	Ei.Y.	11.56	1904		
Nov. 7	M.	+0.01	26	M.	+0.04	18	Ei.Y.	11.55	Aug. 11	Ei.Y.	58.46
Mean.....	+0.052	+0.09	28	M.	+0.09	Sept. 10	Ei.Y.	11.53	12	Ei.Y.	58.39
Mag. corr....	0.000		Oct. 3	M.	+0.06	Sept. 11	Ei.Y.	11.54	Oct. 1	Ei.Y.	58.45
C. P. D. -26° 7009			7	Br.	+0.02	Mean.....	11.545	57.82	1906		
$\alpha = 20^h 22^m$			16	Br.	0.00	Mag. corr....	+0.014		Sept. 6	Ei.Y.	58.39
$\delta = -25^\circ 56'$			19	M.	+0.04	B. D. -17° 5992			Mean.....	58.422	25.10
1904			1905			$\alpha = 20^h 23^m$			Mag. corr....	+0.006	
July 30	Ei.Y.	1.69	June 19	Hl.	+0.02	$\delta = -17^\circ 45'$			B. D. -19° 5831		
Sept. 10	Ei.Y.	1.73	1906			1904			$\alpha = 20^h 24^m$		
1906			June 29	Ei.Y.	0.00	June 18	Ei.Y.	17.47	$\delta = -18^\circ 54'$		
June 25	Ei.Y.	1.68	Aug. 23	Ei.Y.	+0.03	23	Ei.Y.	17.57	1904		
Sept. 24	Ei.Y.	1.69	Sept. 19	Ei.Y.	+0.05	Sept. 16	Ei.Y.	17.51	June 17	Ei.Y.	10.00
Mean.....	1.698	10.70	1907			1906			22	Ei.Y.	10.00
Mag. corr....	+0.016		Oct. 1	Hl.	+0.07	Sept. 8	Ei.Y.	17.48	Sept. 29	Ei.Y.	9.99
B. D. -14° 5753			3	P.	+0.01	Mean.....	17.508	55.60	July 7	Ei.Y.	10.04
$\alpha = 20^h 22^m$			5	P.	+0.05	Mag. corr....	+0.014		Mean.....	10.008	51.00
$\delta = -14^\circ 19'$			8	P.	-0.01	B. D. -18° 5691			Mag. corr....	-0.012	
1904			9	M.	+0.01	$\alpha = 20^h 23^m$			69 Aquilæ		
Aug. 11	Ei.Y.	28.46	13	Hl.	+0.01	$\delta = -18^\circ 12'$			$\alpha = 20^h 24^m$		
12	Ei.Y.	28.50	14	M.	+0.03	1904			$\delta = -3^\circ 13'$		
Oct. 5	Ei.Y.	28.50	15	Hl.	+0.15	July 19	Ei.Y.	18.10	1903		
1906			16	P.	+0.03	Sept. 7	Ei.Y.	18.12	Oct. 21	R.	25.47
Sept. 7	Ei.Y.	28.44	17	M.	+0.02	1906			1905		
Mean.....	28.475	36.65	1908			June 25	Ei.Y.	18.12	Sept. 25	Bs.	25.51
Mag. corr....	+0.002		June 23	M.	+0.05	Sept. 24	Ei.Y.	18.18	1906		
C. P. D. -24° 6997			28	M.	+0.04	Mean.....	18.130	13.42	July 6	Bs.	25.52
$\alpha = 20^h 22^m$			July 5	M.	+0.03	Mag. corr....	+0.015		1907		
$\delta = -24^\circ 18'$			10	Fk.	+0.04	B. D. -18° 5691			June 16	M.	25.48
1904			13	P.	-0.04	$\alpha = 20^h 23^m$			19	P.	25.55
Aug. 3	Ei.Y.	48.58	15	M.	+0.10	$\delta = -18^\circ 12'$			July 30	Hl.	25.51
6	Ei.Y.	48.66	16	P.	+0.02	1904			Sept. 11	Hl.	25.51
			20	P.	+0.03	July 19	Ei.Y.	18.10	13	Hl.M.	25.53
			29	P.	-0.02	Sept. 7	Ei.Y.	18.12			
			Aug. 11	Fk.	+0.03	1906					
			Sept. 6	P.	0.00	June 25	Ei.Y.	18.12			
			11	M.	+0.03	Sept. 24	Ei.Y.	18.18			

1908			1906			1907			1908		
June 18 P.	25.50	3.8 W.	Sept. 24 Ei.Y.	39.76	28.0 W.	June 26 Hl.	-0.03	+0.2 E.	June 22 Fk.	0.00	+1.1 W.
22 Fk.	25.60	4.9 W.				July 16 Hl.	-0.02	+0.3	28 M.	+0.05	+0.7
Mean.....	25.518	4.81	Mean.....	39.762	28.72	23 P.	+0.01	+0.8	July 6 P.	0.00	+1.1
Mag. corr....	0.000		Mag. corr....	+0.002		Sept. 13 Hl.M.	+0.03	+0.6	10 Fk.	0.00	...
						14 P.M.	-0.03	+0.5 E.	15 M.	+0.03	...
B. D. +38° 4102			B. D. -17° 6014			Mean.....	-0.002	+0.41	16 P.	+0.02	...
$\alpha = 20^h 24^m$			$\alpha = 20^h 26^m$			Mag. corr....	+0.002		20 P.	+0.10	...
$\delta = +38^\circ 59'$			$\delta = -16^\circ 56'$						Sept. 6 P.	+0.06	+0.7
									11 M.	+0.03	...
1906			1904			C. P. D. -23° 7796			Oct. 17 P.	-0.01	+1.0
Aug. 31 Br.	45.68	46.6 W.	June 18 Ei.Y.	51.91	50.8 W.	$\alpha = 20^h 28^m$			20 P.	+0.04	+1.4
Sept. 4 Br.	45.67	46.9 W.	23 Ei.Y.	51.90	50.3 W.	$\delta = -23^\circ 35'$			26 M.	+0.02	+0.9
Mean.....	45.675	46.75	Sept. 16 Ei.Y.	51.94	51.2 E.				27 P.	+0.02	+1.6
Mag. corr....	+0.009		1906			1904			30 P.	+0.03	+0.4
41 Cygni			Sept. 8 Ei.Y.	51.91	51.4 W.	July 30 Ei.Y.	14.40	27.0 W.	31 L.	0.00	+1.5
$\alpha = 20^h 25^m$			Mean.....	51.915	50.92	Aug. 15 Ei.Y.	14.39	26.6 W.	Nov. 1 P.	0.00	+1.2
$\delta = +30^\circ 2'$			Mag. corr....	+0.010		Oct. 1 Ei.Y.	14.43	26.4 E.	2 M.	+0.02	+0.6
						1906			3 P.	-0.04	+0.9 W.
1905			C. P. D. -25° 7104			Sept. 6 Ei.Y.	14.44	26.8 W.	1909		
Aug. 23 Hl.	18.65	5.4 W.	$\alpha = 20^h 26^m$			Mean.....	14.415	26.70	Sept. 8 L.	+0.09	+1.1 E.
29 Br.	18.56	4.8	$\delta = -25^\circ 16'$			Mag. corr....	-0.006		13 L.	+0.01	+1.0
30 Hl.	18.56	5.2	1904						14 P.	-0.01	+0.5
Sept. 6 Hl.	18.59	5.9	Aug. 3 Ei.Y.	55.24	53.0 W.	ϵ Delphini			25 P.	+0.08	+1.2 E.
8 Hl.	18.61	5.3 W.	6 Ei.Y.	55.17	53.2 W.	$\alpha = 20^h 28^m 26^s.152$			Mean.....	+0.025	+0.78
			Sept. 10 Ei.Y.	55.20	52.6 E.	$\delta = +10^\circ 57' 47''.57$			Mag. corr....	-0.005	
1907			1906								
June 24 Hl.	18.58	5.6 E.	June 25 Ei.Y.	55.19	53.5 W.	1903			B. D. -14° 5781		
July 12 Hl.	18.57	5.7	Mean.....	55.200	53.08	Sept. 10 Ei.Y.	+0.06	-0.3 W.	$\alpha = 20^h 28^m$		
Aug. 6 Hl.	18.64	5.7	Mag. corr....	+0.021		15 R.	0.00	+0.6	$\delta = -14^\circ 3'$		
Sept. 14 P.M.	18.53	5.6				21 R.	0.00	+0.2			
15 Hl.P.	18.65	6.2 E.	ω^1 Cygni			22 L.	+0.02	+0.3	1904		
Mean.....	18.594	5.54	$\alpha = 20^h 26^m$			23 R.	-0.02	+0.4	June 17 Ei.Y.	37.84	52.1 W.
Mag. corr....	-0.002		$\delta = +48^\circ 36'$			24 L.	+0.09	+0.8	Aug. 12 Ei.Y.	37.80	51.8 W.
						25 R.	+0.03	+1.0	Sept. 29 Ei.Y.	37.73	53.3 E.
B. D. -15° 5696						26 L.	+0.01	+0.6	1906		
$\alpha = 20^h 25^m$						28 L.	+0.03	-0.2	July 7 Ei.Y.	37.81	52.1 W.
$\delta = -15^\circ 23'$						Oct. 21 R.	+0.01	-0.3	Mean.....	37.795	52.32
			1903			1904			Mag. corr....	+0.021	
1903			Oct. 19 L.	57.76	55.5 W.	June 15 R.	+0.02	+0.9			
Sept. 3 Ei.Y.	28.32	26.3 W.	1907			20 Br.	+0.02	+1.2	B. D. -19° 5852		
5 Ei.Y.	28.16	25.7 W.	June 14 P.	57.71	55.2 E.	July 13 R.	-0.02	+1.3	$\alpha = 20^h 28^m$		
1904			21 P.	57.62	55.0	17 M.	+0.02	+1.0	$\delta = -19^\circ 44'$		
Sept. 15 Ei.Y.	28.18	26.3 E.	July 4 Hl.	57.70	55.7	25 Ei.Y.	+0.06	+0.8			
1906			Sept. 20 P.	57.67	56.2	26 T.	-0.07	+0.5	1904		
Sept. 19 Ei.Y.	28.20	25.5 W.	25 P.	57.71	54.6 E.				July 6 Ei.Y.	42.76	21.1 W.
Mean.....	28.215	25.95	1908			1905			Aug. 11 Ei.Y.	42.74	20.9 W.
Mag. corr....	+0.021		June 15 P.	57.64	55.3 W.	Sept. 14 Bs.	+0.08	+0.5	Sept. 15 Ei.Y.	42.72	21.3 E.
			23 M.	57.72	55.7	19 Bs.	+0.04	+0.8	1906		
42 Cygni			26 Fk.	57.61	56.3	21 Bs.	+0.10	+0.8	Sept. 19 Ei.Y.	42.74	20.9 W.
$\alpha = 20^h 25^m$			July 1 Fk.	57.72	55.5 W.	28 Hl.	+0.04	+1.2	Mean.....	42.740	21.05
$\delta = +36^\circ 7'$			Mean.....	57.686	55.50				Mag. corr....	+0.005	
			Mag. corr....	+0.001		1906					
1903						June 29 Ei.Y.	+0.01	+0.8			
Sept. 28 L.	31.51	14.8 W.	B. D. -21° 5752			July 6 Bs.	-0.04	+0.9	B. D. -18° 5714		
Oct. 22 L.	31.56	15.1 W.	$\alpha = 20^h 27^m$			Sept. 8 Ei.Y.	+0.01	+0.6	$\alpha = 20^h 29^m$		
1907			$\delta = -21^\circ 14'$			20 Ei.Y.	+0.12	+0.9 W.	$\delta = -18^\circ 7'$		
June 30 P.	31.57	15.0 E.									
July 3 P.	31.57	15.4	1904			1907			1903		
Sept. 12 M.P.	31.54	15.7	July 19 Ei.Y.	37.96	12.4 W.	June 17 P.	-0.06	+0.5 E.	Sept. 3 Ei.Y.	42.90	51.6 W.
16 M.	31.55	15.5	Aug. 11 Ei.Y.	37.93	12.8 W.	19 P.	-0.01	+0.5	5 Ei.Y.	42.94	51.2 W.
21 M.	31.60	15.3 E.	Oct. 5 Ei.Y.	37.90	13.4 E.	25 P.	+0.02	+0.2	1904		
1908			1906			July 7 Hl.	+0.08	+0.5	Sept. 7 Ei.Y.	42.96	50.9 E.
July 5 M.	31.54	15.3 W.	Sept. 7 Ei.Y.	37.95	13.1 W.	12 Hl.	+0.04	+0.2	1906		
8 M.	31.52	15.0	Mean.....	37.935	12.92	30 Hl.	+0.02	+0.6	Sept. 24 Ei.Y.	42.95	50.1 W.
13 P.	31.53	15.8 W.	Mag. corr....	-0.005		Aug. 7 Hl.	+0.02	+1.3	Mean.....	42.938	50.95
Mean.....	31.549	15.29				15 P.	+0.04	...	Mag. corr....	-0.007	
Mag. corr....	-0.006		θ Cephei			30 Hl.	+0.04	+1.0			
B. D. -17° 6007			$\alpha = 20^h 27^m 54^s.337$			Sept. 16 M.	+0.05	+1.2	B. D. -17° 6027		
$\alpha = 20^h 25^m$			$\delta = +62^\circ 39' 28''.30$			29 M.	+0.04	+0.6	$\alpha = 20^h 29^m$		
$\delta = -17^\circ 28'$						30 M.	+0.02	+1.8	$\delta = -16^\circ 52'$		
1904			1903			Oct. 1 Hl.	+0.03	...			
July 6 Ei.Y.	39.78	28.8 W.	Sept. 30 L.	+0.03	+0.6 W.	2 P.	+0.08	...	1904		
Aug. 6 Ei.Y.	39.72	29.0 W.	Oct. 7 R.	-0.01	+0.4	3 P.	-0.02	...	June 18 Ei.Y.	52.86	9.0 W.
Sept. 7 Ei.Y.	39.79	29.1 E.	12 L.	-0.02	+0.2	5 P.	+0.02	...	23 Ei.Y.	52.84	9.1 W.
			15 L.	-0.01	+0.6	8 P.	+0.05	...	Sept. 16 Ei.Y.	52.88	9.4 E.
			20 Br.	+0.03	-0.1 W.	9 M.	-0.04	...			
						14 M.	+0.07	...			
						15 Hl.	-0.04	...			
						16 P.	+0.05	...			
						17 M.	+0.04	... E.			

1906 June 29 Ei.Y. 52.82 9.4 W. Mean..... 52.850 9.22 Mag. corr.... +0.021	B. D. -21° 5768 $\alpha = 20^h 30^m$ $\delta = -20^\circ 55'$	B. D. -11° 5379 $\alpha = 20^h 32^m$ $\delta = -11^\circ 22'$	1907 June 24 Hl. -0.05 +0.6 E. July 4 Hl. -0.02 +1.0 Sept. 12 M.P. +0.06 +0.6 E. 1908 July 5 M. -0.04 +1.2 W. 6 P. -0.04 +1.3 W. Mean..... -0.001 +0.81 Mag. corr.... -0.006
212 H ¹ . Draconis $\alpha = 20^h 30^m 26^s.480$ $\delta = +72^\circ 11' 34''.27$	1904 Aug. 3 Ei.Y. 39.35 50.8 W. 6 Ei.Y. 39.29 51.1 W. Sept. 10 Ei.Y. 39.37 50.9 E. 1906 June 25 Ei.Y. 39.31 51.0 W. Mean..... 39.330 50.95 Mag. corr.... +0.008	1903 Sept. 3 Ei.Y. 27.84 52.4 W. 5 Ei.Y. 27.81 52.6 W. 1904 Sept. 16 Ei.Y. 27.89 52.3 E. 1906 June 29 Ei.Y. 27.85 52.3 W. Mean..... 27.848 52.40 Mag. corr.... +0.012	B. D. -15° 5743 $\alpha = 20^h 33^m$ $\delta = -15^\circ 18'$
1904 Sept. 21 M. +0.21 +0.2 E. 26 M. 0.00 +0.7 28 M. +0.24 -0.1 Oct. 3 M. +0.22 +0.8 7 Br. +0.12 +0.1 E.	B. D. -12° 5778 $\alpha = 20^h 30^m$ $\delta = -12^\circ 43'$	B. D. -21° 5782 $\alpha = 20^h 32^m$ $\delta = -21^\circ 20'$	1904 July 30 Ei.Y. 40.91 19.8 W. Aug. 15 Ei.Y. 40.94 19.4 W. Oct. 5 Ei.Y. 40.95 19.7 E.
1905 Aug. 23 Hl. -0.08 +0.7 W. 29 Br. +0.15 +0.4 Sept. 7 Bs. +0.08 +0.5 18 Hl. +0.12 +0.6 22 Hl. +0.03 -0.1 W. Mean..... +0.109 +0.38 Mag. corr.... +0.012	1904 July 19 Ei.Y. 45.63 37.8 W. Aug. 15 Ei.Y. 45.59 37.2 W. Oct. 5 Ei.Y. 45.61 38.1 E. 1906 Sept. 7 Ei.Y. 45.60 37.9 W. Mean..... 45.608 37.75 Mag. corr.... +0.012	1904 July 6 Ei.Y. 37.51 31.8 W. 19 Ei.Y. 37.51 32.0 W. Sept. 10 Ei.Y. 37.47 32.0 E. 1906 Sept. 7 Ei.Y. 37.45 33.0 W. Mean..... 37.485 32.20 Mag. corr.... +0.008	Mean..... 40.932 19.58 Mag. corr.... -0.002
212 H ¹ . Draconis s. p. $\alpha = 20^h 30^m 26^s.477$ $\delta = +72^\circ 11' 34''.26$	B. D. -15° 5732 $\alpha = 20^h 31^m$ $\delta = -15^\circ 29'$	73 Draconis $\alpha = 20^h 32^m 49^s.949$ $\delta = +74^\circ 36' 42''.91$	B. D. -20° 5995 $\alpha = 20^h 33^m$ $\delta = -20^\circ 1'$
1903 Oct. 27 R. [+0.15] [-0.2] W. 28 L. [+0.20] [+0.4] Nov. 2 Br. +0.09 +0.2 6 R. +0.11 0.0 8 L. +0.22 -0.9 9 Br. +0.03 +0.2 11 L. +0.17 +0.8 W.	1904 July 30 Ei.Y. 44.86 37.6 W. Sept. 15 Ei.Y. 44.88 36.7 E. 1906 June 25 Ei.Y. 44.82 37.8 W. Sept. 6 Ei.Y. 44.87 37.4 W. Mean..... 44.858 37.38 Mag. corr.... +0.013	1904 June 20 Br. -0.14 -0.1 W. 26 R. -0.17 +0.7 July 2 R. -0.13 +0.1 11 Br. -0.07 +0.1 13 R. +0.09 +0.1 17 M. -0.14 +0.3 W.	1904 Aug. 11 Ei.Y. 48.39 21.7 W. 12 Ei.Y. 48.36 22.1 W. Oct. 1 Ei.Y. 48.39 21.7 E.
1908 Feb. 7 P. -0.14 -0.2 E. 20 M. +0.26 +0.2 Mar. 4 P. +0.40 +0.1 7 P. +0.18 +0.2 21 P. +0.22 -0.2 E. Mean..... +0.154 +0.04 Mag. corr.... +0.008	B. D. -22° 5484 $\alpha = 20^h 31^m$ $\delta = -22^\circ 47'$	1907 June 14 P. -0.25 0.0 E. 21 P. -0.26 -0.5 July 16 Hl. -0.08 +0.1 23 P. -0.10 +0.1 Sept. 15 Hl.P. -0.04 -0.2 E.	1906 July 7 Ei.Y. 48.36 22.6 W. Mean..... 48.375 22.02 Mag. corr.... -0.014
B. D. +37° 3978 $\alpha = 20^h 30^m$ $\delta = +37^\circ 30'$	1904 June 17 Ei.Y. 52.75 27.8 W. 22 Ei.Y. 52.71 28.2 W. Sept. 29 Ei.Y. 52.71 30.0 E. 1906 July 7 Ei.Y. 52.70 28.2 W. Mean..... 52.718 28.55 Mag. corr.... +0.010	73 Draconis s. p. $\alpha = 20^h 32^m 49^s.954$ $\delta = +74^\circ 36' 42''.89$	29 Vulpeculae $\alpha = 20^h 34^m$ $\delta = +20^\circ 51'$
1906 Aug. 31 Br. 36.42 26.9 W. Sept. 4 Br. 36.41 27.1 W. Mean..... 36.415 27.00 Mag. corr.... +0.006	C. P. D. -25° 7135 $\alpha = 20^h 31^m$ $\delta = -25^\circ 27'$	1907 June 28 Bs. -0.05 -0.7 W. Mar. 21 Bs. -0.12 -0.2 23 Br. +0.07 +0.4 W.	1903 Sept. 21 R. 3.35 1.0 W. 22 L. 3.36 0.1 23 R. 3.39 1.0 24 L. 3.44 0.8 25 R. 3.34 1.3 26 L. 3.40 0.6 28 L. 3.31 0.4
1906 Aug. 31 Br. 36.42 26.9 W. Sept. 4 Br. 36.41 27.1 W. Mean..... 36.415 27.00 Mag. corr.... +0.006	1904 Aug. 11 Ei.Y. 55.09 24.8 W. 12 Ei.Y. 55.06 24.5 W. Oct. 1 Ei.Y. 55.08 25.4 E. 1906 Sept. 19 Ei.Y. 55.11 26.0 W. Mean..... 55.085 25.18 Mag. corr.... +0.020	1907 Dec. 18 M. -0.04 -1.0 E. 20 P. -0.14 -1.4 1908 Jan. 16 P. 0.00 -0.2 Mar. 3 Hl. +0.04 -0.5 10 Hl. -0.05 -0.1 E. Nov. 11 M. -0.18 -1.4 W. 12 P. +0.03 +0.3 W. Mean..... -0.044 -0.48 Mag. corr.... -0.001	1904 June 15 R. 3.43 1.0 W. 1907 June 6 M. 3.42 1.1 E. 17 P. 3.34 0.9 19 P. 3.36 1.4 Sept. 25 P. 3.42 1.6 27 Hl. 3.31 1.0 E.
1903 Oct. 22 L. 38.05 45.5 W.	C. P. D. -24° 7037 $\alpha = 20^h 32^m$ $\delta = -24^\circ 34'$	1908 Jan. 16 P. 0.00 -0.2 Mar. 3 Hl. +0.04 -0.5 10 Hl. -0.05 -0.1 E. Nov. 11 M. -0.18 -1.4 W. 12 P. +0.03 +0.3 W. Mean..... -0.044 -0.48 Mag. corr.... -0.001	Mean..... 3.375 0.94 Mag. corr.... +0.001
1905 Aug. 26 Hl. 38.00 45.9 Sept. 25 Bs. 38.03 45.3 Oct. 7 Bs. 38.08 45.8 W.	1904 June 18 Ei.Y. 9.88 37.0 W. 23 Ei.Y. 9.96 36.5 W. Sept. 7 Ei.Y. 10.02 37.5 E. 1906 Sept. 24 Ei.Y. 9.92 37.0 W. Mean..... 9.945 37.00 Mag. corr.... +0.015	β Delphini $\alpha = 20^h 32^m 51^s.672$ $\delta = +14^\circ 14' 49''.53$	13 G. Microscopii $\alpha = 20^h 34^m$ $\delta = -33^\circ 47'$
1907 June 16 M. 38.01 45.9 E. 30 P. 38.04 45.7 July 3 P. 38.01 45.5 Aug. 6 Hl. 38.09 45.5 Sept. 13 Hl.M. 38.04 46.5 E.	1904 June 18 Ei.Y. 9.88 37.0 W. 23 Ei.Y. 9.96 36.5 W. Sept. 7 Ei.Y. 10.02 37.5 E. 1906 Sept. 24 Ei.Y. 9.92 37.0 W. Mean..... 9.945 37.00 Mag. corr.... +0.015	1908 Jan. 16 P. 0.00 -0.2 Mar. 3 Hl. +0.04 -0.5 10 Hl. -0.05 -0.1 E. Nov. 11 M. -0.18 -1.4 W. 12 P. +0.03 +0.3 W. Mean..... -0.044 -0.48 Mag. corr.... -0.001	1903 Sept. 29 R. 3.58 7.1 W. 30 L. 3.50 7.0 Oct. 7 R. 3.53 7.4 12 L. 3.56 7.6 15 L. 3.56 7.4 19 L. 3.59 7.0 20 Br. 3.47 7.4 21 R. 3.59 7.0 W.
1908 June 15 P. 38.02 46.0 W. 16 Fk. 38.03 45.3 W. Mean..... 38.036 45.72 Mag. corr.... +0.002	1904 June 18 Ei.Y. 9.88 37.0 W. 23 Ei.Y. 9.96 36.5 W. Sept. 7 Ei.Y. 10.02 37.5 E. 1906 Sept. 24 Ei.Y. 9.92 37.0 W. Mean..... 9.945 37.00 Mag. corr.... +0.015	1905 Sept. 14 Bs. +0.07 +0.7 W. 19 Bs. -0.03 +0.3 21 Bs. -0.02 +0.6 W.	1907 July 5 M. 3.59 7.5 E. 8 M. 3.60 7.5 E.

1907			1906			1906			1906		
Sept. 16 M.	s	"	Sept. 24 Ei.Y.	s	"	June 29 Ei.Y.	s	"	July 7 Ei.Y.	s	"
21 M.	3.56	6.9 E.		55.43	46.8 W.		40.41	17.8 W.		11.72	9.6 W.
23 M.	3.59	6.8									
	3.59	7.1 E.									
Mean.....	3.562	7.21	Mean.....	55.452	46.72	Mean.....	40.442	17.60	Mean.....	11.738	9.55
Mag. corr....	-0.003		Mag. corr....	-0.009		Mag. corr....	+0.005		Mag. corr....	+0.008	
C. P. D. -24° 7050			α Delphini			B. D. -21° 5802			δ Delphini		
$\alpha = 20^h 34^m$			$\alpha = 20^h 34^m 59^s.646$			$\alpha = 20^h 36^m$			$\alpha = 20^h 38^m$		
$\delta = -24^\circ 8'$			$\delta = +15^\circ 33' 33''.69$			$\delta = -21^\circ 37'$			$\delta = +14^\circ 42'$		
1904			1903			1903			1903		
June 17 Ei.Y.	s	"	Sept. 15 R.	s	"	Sept. 3 Ei.Y.	s	"	Sept. 22 L.	s	"
22 Ei.Y.	14.98	19.1 W.	Oct. 6 Br.	+0.02	+0.2 W.	10 Ei.Y.	18.41	51.9 W.	23 R.	47.45	56.3 W.
Oct. 10 Ei.Y.	14.94	18.8 W.	22 L.	+0.05	-0.9		18.35	52.8 W.	24 L.	47.46	57.4
	14.95	20.2 E.		+0.04	-0.3				25 R.	47.47	57.1
1906			1904			1904			26 L.	47.45	57.4
June 25 Ei.Y.	14.99	18.6 W.	June 3 Br.	+0.03	+0.3	Sept. 10 Ei.Y.	18.34	50.8 E.	28 L.	47.45	57.4
			July 10 R.	+0.08	...	1906			29 R.	47.49	56.8
Mean.....	14.965	19.18	25 Ei.Y.	+0.05	-0.2 W.	June 25 Ei.Y.	18.30	51.6 W.	30 L.	47.47	56.8
Mag. corr....	+0.020		Oct. 5 Ei.Y.	+0.03	-0.2 E.	Mean.....	18.350	51.78	Oct. 22 L.	47.44	56.6
κ Delphini			1905			Mag. corr....	-0.012			47.47	56.7
$\alpha = 20^h 34^m$			June 21 Hl.	+0.01	+0.2 E.	B. D. -13° 5736			1905		
$\delta = +9^\circ 44'$			Aug. 29 Br.	+0.04	-0.7 W.	$\alpha = 20^h 37^m$			Aug. 26 Hl.	47.45	56.9 W.
1906			30 Hl.	+0.02	+0.1	$\delta = -13^\circ 26'$			1907		
Oct. 11 Br.	s	"	Sept. 6 Hl.	+0.03	+0.5	1904			June 16 M.	47.42	56.5 E.
1907			7 Bs.	-0.02	-0.2	July 30 Ei.Y.	s	"	17 P.	47.41	56.9
June 30 P.	16.53	2.8 E.	8 Hl.	+0.05	+0.1	Aug. 15 Ei.Y.	6.71	54.0 W.	30 P.	47.44	56.9
Sept. 13 Hl.M.	16.49	2.7	22 Hl.	+0.04	+0.3	Oct. 5 Ei.Y.	6.73	53.3 W.	July 3 P.	47.45	57.7
14 P.M.	16.54	2.8	25 Bs.	+0.05	-0.2	1906			4 Hl.	47.48	57.4 E.
20 P.	16.50	2.3	Oct. 7 Bs.	+0.03	0.0	Sept. 7 Ei.Y.	6.66	54.1 W.	Mean.....	47.454	56.90
26 M.	16.54	3.2	1906			Mean.....	6.710	53.72	Mag. corr....	+0.002	
29 M.	16.52	2.6 E.	June 27 Hl.	+0.06	...	α Cygni			B. D. -14° 5839		
1908			July 6 Bs.	+0.02	-0.2	$\alpha = 20^h 38^m 1^s.363$			$\alpha = 20^h 38^m$		
June 22 Fk.	16.54	2.8 W.	Aug. 31 Br.	+0.03	+0.6	$\delta = +44^\circ 55' 22''.30$			$\delta = -14^\circ 32'$		
23 M.	16.65	2.2	Sept. 4 Br.	+0.03	-0.5	1904			1904		
July 15 M.	16.60	2.5	7 Ei.Y.	+0.06	-0.4	June 15 R.	+0.12	+1.4 W.	Aug. 3 Ei.Y.	59.72	47.1 W.
16 P.	16.61	2.5 W.	20 Ei.Y.	+0.11	+0.2	20 Br.	+0.05	+0.2	6 Ei.Y.	59.70	47.2 W.
Mean.....	16.548	2.68	21 Hl.	-0.05	+0.1 W.	July 7 Br.	+0.10	+0.2	Sept. 15 Ei.Y.	59.78	46.8 E.
Mag. corr....	-0.001		1907			17 M.	+0.01	+0.6	1906		
ν Capricorni			June 16 M.	+0.06	+0.4 E.	α Cygni			Sept. 19 Ei.Y.	59.77	47.3 W.
$\alpha = 20^h 34^m 21^s.473$			24 Hl.	+0.01	-0.1	$\delta = +44^\circ 55' 22''.30$			Mean.....	59.742	47.10
$\delta = -13^\circ 29' 26''.50$			25 P.	+0.05	+0.2	1904			Mag. corr....	+0.012	
1904			July 7 Hl.	-0.06	-0.1	June 15 P.	-0.02	+0.9 W.	B. D. -11° 5408		
Aug. 3 Ei.Y.	+0.02	-0.1 W.	Sept. 12 M.P.	+0.04	+0.3	16 Fk.	+0.02	-0.2	$\alpha = 20^h 39^m$		
6 Ei.Y.	-0.02	-0.3 W.	30 M.	+0.04	+0.4	18 P.	0.00	-0.2	$\delta = -10^\circ 51'$		
Sept. 15 Ei.Y.	+0.02	+0.5 E.	Oct. 17 M.	+0.01	... E.	July 6 P.	0.00	+0.4	1904		
21 M.	+0.06	-0.5	1908			8 M.	+0.07	-0.4	July 6 Ei.Y.	9.86	10.4 W.
26 M.	0.00	+0.4	June 15 P.	-0.02	+0.9 W.	Oct. 17 P.	+0.04	-0.6	19 Ei.Y.	9.88	9.6 W.
28 M.	+0.05	-0.4	16 Fk.	+0.02	-0.2	20 P.	+0.03	+0.9	Sept. 7 Ei.Y.	9.86	9.9 E.
Oct. 3 M.	+0.02	+1.3	18 P.	0.00	-0.2	26 M.	+0.07	-0.2	1906		
7 Br.	+0.03	-0.9 E.	July 6 P.	0.00	+0.4	27 P.	+0.01	-0.4	Sept. 24 Ei.Y.	9.86	10.1 W.
1906			Oct. 17 P.	+0.04	-0.6	30 P.	+0.02	-0.2	Mean.....	9.865	10.00
Sept. 19 Ei.Y.	+0.04	-0.3 W.	20 P.	+0.03	+0.9	31 L.	+0.04	+0.2	Mag. corr....	0.000	
1908			26 M.	+0.07	-0.2	Nov. 1 P.	+0.02	+0.5	B. D. -16° 5690		
June 26 Fk.	+0.04	+0.9	27 P.	+0.01	-0.4	2 M.	+0.03	-0.5	$\alpha = 20^h 39^m$		
28 M.	+0.06	+0.1	30 P.	+0.02	-0.2	3 P.	+0.01	-0.2	$\delta = -16^\circ 9'$		
July 1 Fk.	+0.04	+0.2	Oct. 17 M.	+0.01	... E.	5 M.	+0.05	-0.1 W.	1904		
10 Fk.	+0.06	0.0	1909			1909			June 18 Ei.Y.	38.09	39.0 W.
13 P.	+0.03	-0.3 W.	Sept. 8 L.	+0.03	+0.4 E.	13 L.	+0.03	-0.1	23 Ei.Y.	38.17	38.1 W.
1909			14 P.	0.00	-0.1	14 P.	0.00	-0.1	Sept. 16 Ei.Y.	38.06	38.9 E.
June 6 M.	....	0.0 E.	25 P.	0.00	+0.1	28 P.	+0.07	+0.3	1906		
Aug. 1 P.	....	-0.8	28 P.	+0.07	+0.3	Oct. 22 M.	+0.08	+0.4 E.	June 29 Ei.Y.	38.09	38.9 W.
1910			Mean.....	+0.031	+0.02	Mean.....	6.032	1.60	Mean.....	38.102	38.72
June 24 M.	+0.11	-0.2 E.	Mag. corr....	-0.005		Mag. corr....	+0.014		Mag. corr....	+0.013	
Mean.....	+0.037	-0.02	B. D. -14° 5815			B. D. -19° 5905			B. D. -16° 5690		
Mag. corr....	-0.002		$\alpha = 20^h 35^m$			$\alpha = 20^h 38^m$			$\alpha = 20^h 39^m$		
B. D. -16° 5663			$\delta = -13^\circ 51'$			$\delta = -19^\circ 42'$			$\delta = -16^\circ 9'$		
$\alpha = 20^h 34^m$			$\delta = -16^\circ 28'$			$\delta = -19^\circ 42'$			$\delta = -16^\circ 9'$		
1904			1904			1904			1904		
July 6 Ei.Y.	s	"	June 18 Ei.Y.	s	"	Aug. 11 Ei.Y.	s	"	June 18 Ei.Y.	s	"
19 Ei.Y.	55.45	47.2 W.	23 Ei.Y.	40.45	17.7 W.	12 Ei.Y.	6.02	1.6 W.	23 Ei.Y.	38.17	38.1 W.
Sept. 7 Ei.Y.	55.45	46.7 W.	Sept. 16 Ei.Y.	40.47	17.1 W.	Oct. 1 Ei.Y.	6.04	1.4 W.	Sept. 16 Ei.Y.	38.06	38.9 E.
	55.48	46.2 E.		40.44	17.8 E.	1906			1906		
						Sept. 6 Ei.Y.	6.06	1.2 E.	June 29 Ei.Y.	38.09	38.9 W.
						Mean.....	6.01	2.2 W.	Mean.....	38.102	38.72
						Mag. corr....	6.032	1.60	Mag. corr....	+0.013	

B. D. +38° 4208			γ Delphini (<i>fol.</i>)			1906			1906		
$\alpha = 20^h 40^m$			$\alpha = 20^h 42^m$			s			s		
$\delta = +39^\circ 5'$			$\delta = +15^\circ 45'$								
1906			1903			June 27 Hl.			June 29 Ei.Y.		
Aug. 31 Br.			Sept. 15 R.			19 Ei.Y.			35.73		
Sept. 4 Br.			Oct. 12 L.			21 Hl.			15.4 W.		
Mean.....			1906			24 Ei.Y.			Mean.....		
Mag. corr....			Oct. 8 Hl.			29 Hl.			35.752		
ψ Capricorni			1907			Oct. 11 Br.			+0.012		
$\alpha = 20^h 40^m 10^s.548$			July 7 Hl.			23 Hl.			6 H. Cephei		
$\delta = -25^\circ 37' 49''.32$			8 M.			+0.09			$\alpha = 20^h 42^m$		
1903			16 Hl.			1907			$\delta = +57^\circ 13'$		
Oct. 7 R.			Sept. 12 M.P.			June 17 P.			1903		
13 Br.			15 Hl.P.			19 P.			Sept. 23 R.		
15 L.			1908			24 Hl.			52.11		
19 L.			June 22 Fk.			25 P.			13.7 W.		
21 R.			July 5 M.			26 Hl.			52.23		
Mean.....			Mean.....			27 P.			14.5		
Mag. corr....			Mag. corr....			July 4 Hl.			52.11		
1904			ϵ Cygni			12 Hl.			13.9		
July 30 Ei.Y.			$\alpha = 20^h 42^m 10^s.099$			Aug. 30 Hl.			30 L.		
Aug. 15 Ei.Y.			$\delta = +33^\circ 35' 46''.20$			Sept. 13 Hl.M.			52.18		
Sept. 10 Ei.Y.			1904			14 P.M.			14.1 W.		
June 25 Ei.Y.			July 2 R.			1908			1907		
1907			1905			July 13 P.			June 30 P.		
July 5 M.			Sept. 14 Bs.			Oct. 26 M.			Oct. 1 Hl.		
23 P.			19 Bs.			27 P.			52.13		
Aug. 6 Hl.			21 Bs.			30 P.			13.6		
Sept. 13 Hl.M.			1906			31 L.			52.15		
14 P.M.			July 6 Bs.			Nov. 1 P.			13.4		
Mean.....			1907			2 M.			3 P.		
Mag. corr....			June 14 P.			3 P.			5 P.		
B. D. -22° 5523			Sept. 16 M.			5 M.			1908		
$\alpha = 20^h 40^m$			20 P.			7 L.			July 1 Fk.		
$\delta = -21^\circ 52'$			21 M.			1910			Sept. 6 P.		
1903			Mean.....			June 25 L.			Mean.....		
Sept. 3 Ei.Y.			Mag. corr....			Oct. 28 P.			52.169		
5 Ei.Y.			ϵ Aquarii			Mean.....			13.52		
1904			$\alpha = 20^h 42^m 15^s.817$			+0.052			Mag. corr....		
Oct. 5 Ei.Y.			$\delta = -9^\circ 51' 42''.98$			-0.004			+0.001		
1906			1903			3 Aquarii			1908		
Sept. 7 Ei.Y.			Sept. 10 Ei.Y.			$\alpha = 20^h 42^m 27^s.696$			η Cephei		
Mean.....			11 Ei.Y.			$\delta = -5^\circ 23' 38''.44$			$\alpha = 20^h 43^m 15^s.488$		
Mag. corr....			Oct. 20 Br.			1905			$\delta = +61^\circ 27' 6''.99$		
C. P. D. -24° 7074			22 L.			Aug. 29 Br.			Sept. 25 Bs.		
$\alpha = 20^h 40^m$			1904			30 Hl.			29 Bs.		
$\delta = -24^\circ 5'$			June 17 Ei.Y.			Sept. 7 Bs.			Oct. 7 Bs.		
1904			20 Br.			8 Hl.			1906		
Aug. 11 Ei.Y.			22 Ei.Y.			18 Hl.			Oct. 12 Hl.		
12 Ei.Y.			26 R.			1907			1907		
Oct. 1 Ei.Y.			July 7 Br.			Sept. 23 M.			July 3 P.		
1906			10 R.			25 P.			Oct. 8 P.		
Sept. 6 Ei.Y.			11 Br.			26 M.			9 M.		
Mean.....			13 R.			27 Hl.			12 M.		
Mag. corr....			14 Ei.Y.			30 M.			17 M.		
B. D. -17° 6081			16 Ei.Y.			Mean.....			1908		
$\alpha = 20^h 40^m$			17 M.			+0.034			July 8 M.		
$\delta = -17^\circ 31'$			25 Ei.Y.			+0.40			Mean.....		
1904			Aug. 3 Ei.Y.			Mag. corr....			+0.058		
June 17 Ei.Y.			6 Ei.Y.			+0.002			+0.22		
22 Ei.Y.			Sept. 15 Ei.Y.			C. P. D. -23° 7859			Mag. corr....		
Sept. 29 Ei.Y.			21 M.			$\alpha = 20^h 42^m$			C. P. D. -26° 7110		
1906			28 M.			$\delta = -23^\circ 6'$			$\alpha = 20^h 43^m$		
Sept. 20 Ei.Y.			Oct. 3 M.			1904			$\delta = -26^\circ 9'$		
Mean.....			7 Br.			July 6 Ei.Y.			1904		
Mag. corr....			10 Ei.Y.			19 Ei.Y.			July 30 Ei.Y.		
B. D. -17° 6089			16 Br.			Sept. 7 Ei.Y.			Aug. 15 Ei.Y.		
$\alpha = 20^h 42^m$			19 M.			1906			Sept. 10 Ei.Y.		
$\delta = -16^\circ 53'$			25 Br.			June 25 Ei.Y.			21.46		
1904			Nov. 7 M.			Mean.....			1906		
June 18 Ei.Y.			1905			31.708			Sept. 19 Ei.Y.		
Aug. 15 Ei.Y.			Aug. 23 Hl.			+0.008			21.49		
Sept. 16 Ei.Y.			Mean.....			B. D. +52° 2799			0.8 W.		
1908			1908			14.25			Mean.....		
June 18 Ei.Y.			1908			B. D. -17° 6089			21.512		
Aug. 15 Ei.Y.			1908			$\alpha = 20^h 42^m$			0.75		
Sept. 16 Ei.Y.			1908			$\delta = -16^\circ 53'$			Mag. corr....		
1908			1908			1904			B. D. +52° 2799		
June 18 Ei.Y.			1908			July 6 Ei.Y.			$\alpha = 20^h 43^m$		
Aug. 15 Ei.Y.			1908			19 Ei.Y.			$\delta = +52^\circ 37'$		
Sept. 16 Ei.Y.			1908			Sept. 7 Ei.Y.			1908		
1908			1908			1906			June 15 P.		
June 18 Ei.Y.			1908			June 25 Ei.Y.			16 Fk.		
Aug. 15 Ei.Y.			1908			Mean.....			27.10		
Sept. 16 Ei.Y.			1908			Mag. corr....			51.4 W.		
1908			1908			B. D. -17° 6089			27.07		
June 18 Ei.Y.			1908			$\alpha = 20^h 42^m$			51.7		
Aug. 15 Ei.Y.			1908			$\delta = -16^\circ 53'$			27.10		
Sept. 16 Ei.Y.			1908			1904			51.4		
1908			1908			July 6 Ei.Y.			27.07		
June 18 Ei.Y.			1908			19 Ei.Y.			51.5		
Aug. 15 Ei.Y.			1908			Sept. 7 Ei.Y.			51.2 W.		
Sept. 16 Ei.Y.			1908			1906			Mean.....		
1908			1908			June 25 Ei.Y.			27.116		
June 18 Ei.Y.			1908			Mean.....			51.44		
Aug. 15 Ei.Y.			1908			Mag. corr....			+0.009		
Sept. 16 Ei.Y.			1908			B. D. +52° 2799			1908		
1908			1908			$\alpha = 20^h 43^m$			June 15 P.		
June 18 Ei.Y.			1908			$\delta = +52^\circ 37'$			16 Fk.		
Aug. 15 Ei.Y.			1908			1904			27.07		
Sept. 16 Ei.Y.			1908			July 6 Ei.Y.			51.4		
1908			1908			19 Ei.Y.			27.10		
June 18 Ei.Y.			1908			Sept. 7 Ei.Y.			51.5		
Aug. 15 Ei.Y.			1908			1906			51.2 W.		
Sept. 16 Ei.Y.			1908			June 25 Ei.Y.			Mean.....		
1908			1908			Mean.....			27.116		
June 18 Ei.Y.			1908			Mag. corr....			51.44		
Aug. 15 Ei.Y.			1908			B. D. +52° 2799			+0.009		
Sept. 16 Ei.Y.			1908			$\alpha = 20^h 43^m$			1908		
1908			1908			$\delta = +52^\circ 37'$			June 15 P.		
June 18 Ei.Y.			1908			1904			16 Fk.		
Aug. 15 Ei.Y.			1908			July 6 Ei.Y.			27.07		
Sept. 16 Ei.Y.			1908			19 Ei.Y.			51.4		
1908			1908			Sept. 7 Ei.Y.			27.10		
June 18 Ei.Y.			1908			1906			51.5		
Aug. 15 Ei.Y.			1908			June 25 Ei.Y.			51.2 W.		
Sept. 16 Ei.Y.			1908			Mean.....			Mean.....		
1908			1908			Mag. corr....			27.116		
June 18 Ei.Y.			1908			B. D. +52° 2799			51.44		
Aug. 15 Ei.Y.			1908			$\alpha = 20^h 43^m$			+0.009		
Sept. 16 Ei.Y.			1908			$\delta = +52^\circ 37'$			1908		
1908			1908			1904			June 15 P.		
June 18 Ei.Y.			1908			July 6 Ei.Y.			16 Fk.		
Aug. 15 Ei.Y.			1908			19 Ei.Y.			27.07		
Sept. 16 Ei.Y.			1908			1906			51.4		
1908			1908			June 25 Ei.Y.			27.10		
June 18 Ei.Y.			1908			Mean.....			51.5		
Aug. 15 Ei.Y.			1908			Mag. corr....			51.2 W.		
Sept. 16 Ei.Y.			1908			B. D. +52° 2799			Mean.....		
1908			1908			$\alpha = 20^h 43^m$			27.116		
June 18 Ei.Y.			1908			$\delta = +52^\circ 37'$			51.44		
Aug. 15 Ei.Y.			1908			1904			+0.009		
Sept. 16 Ei.Y.			1908			July 6 Ei.Y.			1908		
1908			1908			19 Ei.Y.			June 15 P.		
June 18 Ei.Y.			1908			Sept. 7 Ei.Y.			16 Fk.		
Aug. 15 Ei.Y.			1908			1906			27.07		
Sept. 16 Ei.Y.			1908			June 25 Ei.Y.			51.4		
1908			1908			Mean.....			27.10		
June 18 Ei.Y.			1908			Mag. corr....			51.5		
Aug. 15 Ei.Y.			1908			B. D. +52° 2799			51.2 W.		
Sept. 16 Ei.Y.			1908			$\alpha = 20^h 43^m$			Mean.....		
1908			1908			$\delta = +52^\circ 37'$			27.116		
June 18 Ei.Y.			1908			1904			51.44		
Aug. 15 Ei.Y.			1908			July 6 Ei.Y.			+0.009		
Sept. 16 Ei.Y.			1908			19 Ei.Y.			1908		
1908			1908			1906			June 15 P.		
June 18 Ei.Y.			1908			June 25 Ei.Y.			16 Fk.		
Aug. 15 Ei.Y.			1908			Mean.....			27.07		
Sept. 16 Ei.Y.			1908			Mag. corr....			51.4		
1908			1908			B. D. +52° 2799			27.10		
June 18 Ei.Y.			1908			$\alpha = 20^h 43^m$			51.5		
Aug. 15 Ei.Y.			1908			$\delta = +52^\circ 37'$			51.2 W.		
Sept. 16 Ei.Y.			1908			1904			Mean.....		
1908			1908			July 6 Ei.Y.			27.116		
June 18 Ei.Y.			1908			19 Ei.Y.			51.44		
Aug. 15 Ei.Y.			1908			1906			+0.009		
Sept. 16 Ei.Y.			1908			June 25 Ei.Y.			1908		
1908			1908			Mean.....			June 15 P.		
June 18 Ei.Y.			1908			Mag. corr....			16 Fk.		
Aug. 15 Ei.Y.			1908			B. D. +52° 2799			27.07		
Sept. 16 Ei.Y.			1908			$\alpha = 20^h 43^m$			51.4		
1908			1908			$\delta = +52^\circ 37'$			27.10		
June 18 Ei.Y.			1908			1904			51.5		
Aug. 15 Ei.Y.			1908			July 6 Ei.Y.			51.2 W.		
Sept. 16 Ei.Y.			1908			19 Ei.Y.			Mean.....		
1908			1908			1906			27.116		
June 18 Ei.Y.			1908			June 25 Ei.Y.			51.44		
Aug. 15 Ei.Y.			1908			Mean.....			+0.009		
Sept. 16 Ei.Y.			1908			Mag. corr....			1908		
1908			1908			B. D. +52° 2799			June 15 P.		
June 18 Ei.Y.			1908			$\alpha = 20^h 43^m$			16 Fk.		
Aug. 15 Ei.Y.			1908			$\delta = +52^\circ 37'$			27.07		
Sept. 16 Ei.Y.			1908			1904			51.4		
1908			1908			July 6 Ei.Y.			27.10		
June 18 Ei.Y.			1908			19 Ei.Y.			51.5		
Aug. 15 Ei.Y.			1908			1906			51.2 W.		
Sept. 16 Ei.Y.			1908			June 25 Ei.Y.			Mean.....		
1908			1908			Mean.....			27.116		
June 18 Ei.Y.			1908			Mag. corr....			51.44		
Aug. 15 Ei.Y.			1908			B. D. +52° 2799			+0.009		
Sept. 16 Ei.Y.			1908			$\alpha = 20^h 43^m$			1908		
1908			1908			$\delta = +52^\circ 37'$			June 15 P.		
June 18 Ei.Y.			1908			1904			16 Fk.		
Aug. 15 Ei.Y.			1908			July 6 Ei.Y.			27.07		
Sept. 16 Ei.Y.			1908			19 Ei.Y.			51.4		
1908			1908			1906			27.10		
June 18 Ei.Y.			1908			June 25 Ei.Y.			51.5		
Aug. 15 Ei.Y.			1908			Mean.....			51.2 W.		
Sept. 16 Ei.Y.			1908			Mag. corr....			Mean.....		
1908			1908			B. D. +52° 2799			27.116		
June 18 Ei.Y.			1908			$\alpha = 20^h 43^m$			51.44		
Aug. 15 Ei.Y.			1908			$\delta = +52^\circ 37'$			+0.009		
Sept. 16 Ei.Y.			1908			1904			1908		
1908			1908			July 6 Ei.Y.			June 15 P.		
June 18 Ei.Y.			1908			19 Ei.Y.			16 Fk.		
Aug. 15 Ei.Y.			1908			1906			27.07		
Sept. 16 Ei.Y.			1908			June 25 Ei.Y.			51.4		
1908			1908			Mean.....			27.10		
June 18 Ei.Y.			1908			Mag. corr....			51.5		
Aug. 15 Ei.Y.			1908			B. D. +52° 2799			51.2 W.		
Sept. 16 Ei.Y.			1908			$\alpha = 20^h 43^m$			Mean.....		
1908			1908			$\delta = +52^\circ 37'$			27.116		
June 18 Ei.Y.			1908			1904			51.44		
Aug. 15 Ei.Y.			1908			July 6 Ei.Y.			+0.009		
Sept. 16 Ei.Y.			1908			19 Ei.Y.			1908		
1908			1908			1906			June 15 P.		
June 18 Ei.Y.			1908			June 25 Ei.Y.			16 Fk.		
Aug. 15 Ei.Y.			1908			Mean.....			27.07		
Sept. 16 Ei.Y.			1908			Mag. corr....			51.4		
1908			1908			B. D. +52° 2799			27.10		
June 18 Ei.Y.			1908			$\alpha = 20^h 43^m$			51.5		
Aug.											

B. D. -21° 5840 $\alpha = 20^h 43^m$ $\delta = -20^\circ 59'$			B. D. +51° 2954 $\alpha = 20^h 44^m$ $\delta = +52^\circ 2'$			ω Capricorni $\alpha = 20^h 45^m$ $\delta = -27^\circ 17'$			B. D. -20° 6055 $\alpha = 20^h 46^m$ $\delta = -20^\circ 1'$		
1904	s	"	1907	s	"	1903	s	"	1904	s	"
Aug. 11 Ei.Y.	28.34	42.9 W.	Sept. 15 Hl.P.	53.77	30.7 E.	Oct. 7 R.	51.34	35.1 W.	July 19 Ei.Y.	33.06	5.9 W.
12 Ei.Y.	28.39	41.9 W.	20 P.	53.68	31.4	22 L.	51.35	34.8	Sept. 15 Ei.Y.	33.09	5.8 E.
Oct. 5 Ei.Y.	28.38	43.2 E.	29 M.	53.86	29.7	1906			1906		
1906			30 M.	53.84	30.6 E.	July 6 Bs.	51.26	35.4	Sept. 6 Ei.Y.	33.06	6.4 W.
Sept. 7 Ei.Y.	28.38	43.4 W.	Mean.....	53.788	30.60	Oct. 8 Hl.	51.33	34.6 W.	20 Ei.Y.	33.10	5.6 W.
Mean.....	28.372	42.85	Mag. corr....	-0.006		1907			Mean.....	33.078	5.92
Mag. corr....	0.000					June 14 P.	51.31	36.0 E.	Mag. corr....	+0.009	
λ Cygni $\alpha = 20^h 43^m 30^s.814$ $\delta = +36^\circ 7' 23''.07$			B. D. -16° 5709 $\alpha = 20^h 45^m$ $\delta = -15^\circ 52'$			21 P.	51.33	35.2	B. D. -21° 5852 $\alpha = 20^h 46^m$ $\delta = -21^\circ 36'$		
1903	s	"	1904	s	"	July 23 P.	51.34	35.2	1903	s	"
Sept. 25 R.	+0.02	+0.6 W.	July 6 Ei.Y.	0.35	58.2 W.	Sept. 16 M.	51.38	34.5	Sept. 3 Ei.Y.	35.63	23.7 W.
29 R.	+0.06	+0.2	30 Ei.Y.	0.30	58.3 W.	23 M.	51.26	34.9	10 Ei.Y.	35.57	24.2 W.
Oct. 19 L.	0.00	-0.2 W.	Sept. 7 Ei.Y.	0.28	58.1 E.	27 Hl.	51.29	35.4 E.	1904		
1907			1906			1908			Sept. 29 Ei.Y.	35.56	23.8 E.
July 5 M.	+0.01	0.0 E.	June 29 Ei.Y.	0.28	58.2 W.	June 22 Fk.	51.39	35.6 W.	1906		
Aug. 6 Hl.	+0.03	+0.5	Mean.....	0.302	58.20	July 13 P.	51.26	35.0 W.	Sept. 24 Ei.Y.	35.59	22.8 W.
Oct. 13 Hl.	+0.02	+0.5	Mag. corr....	0.000		Mean.....	51.320	35.14	Mean.....	35.588	23.62
14 M.	0.00	-0.2				Mag. corr....	+0.004		Mag. corr....	+0.008	
15 Hl.	-0.07	+1.3 E.	B. D. -13° 5773 $\alpha = 20^h 45^m$ $\delta = -12^\circ 54'$			B. D. -10° 5526 $\alpha = 20^h 46^m$ $\delta = -10^\circ 41'$			B. D. -13° 5779 $\alpha = 20^h 47^m$ $\delta = -13^\circ 34'$		
1908			1904	s	"	1904	s	"	1904	s	"
June 26 Fk.	-0.08	+0.3 W.	June 18 Ei.Y.	11.20	55.1 W.	Aug. 3 Ei.Y.	21.58	29.8 W.	July 30 Ei.Y.	0.03	43.5 W.
28 M.	-0.03	0.0 W.	July 14 Ei.Y.	11.15	55.6 W.	6 Ei.Y.	21.58	30.3 W.	Aug. 15 Ei.Y.	0.05	43.5 W.
Mean.....	-0.004	+0.30	Sept. 16 Ei.Y.	11.15	55.9 E.	Oct. 1 Ei.Y.	21.57	29.1 E.	Oct. 5 Ei.Y.	0.04	43.1 E.
Mag. corr....	+0.003		1906			1906			1906		
B. D. -18° 5783 $\alpha = 20^h 43^m$ $\delta = -18^\circ 24'$			June 25 Ei.Y.	11.21	56.1 W.	Mean.....	21.578	29.80	June 29 Ei.Y.	0.02	43.1 W.
1903	s	"	Mean.....	11.178	55.68	Mag. corr....	+0.007		Mean.....	0.035	43.30
Sept. 3 Ei.Y.	40.32	17.6 W.	Mag. corr....	+0.023		B. D. +50° 3209 $\alpha = 20^h 46^m$ $\delta = +50^\circ 24'$			Mag. corr....	+0.012	
5 Ei.Y.	40.33	17.5 W.	B. D. +38° 4239 $\alpha = 20^h 45^m$ $\delta = +38^\circ 29'$			1907	s	"	C. P. D. -24° 7105 $\alpha = 20^h 47^m$ $\delta = -24^\circ 9'$		
1904			1906	s	"	Sept. 15 Hl.P.	26.76	40.4 E.	1904	s	"
Oct. 1 Ei.Y.	40.26	17.2 E.	Aug. 31 Br.	12.90	39.0 W.	20 P.	26.63	40.6	July 6 Ei.Y.	9.44	29.2 W.
1906			Sept. 4 Br.	12.91	39.4 W.	29 M.	26.72	40.1	14 Ei.Y.	9.38	28.6 W.
Sept. 6 Ei.Y.	40.25	16.9 W.	Mean.....	12.905	39.20	30 M.	26.72	40.3 E.	Sept. 7 Ei.Y.	9.44	28.4 E.
Mean.....	40.290	17.30	Mag. corr....	+0.003		Mean.....	26.708	40.35	1906		
Mag. corr....	+0.019					Mag. corr....	+0.002		Sept. 19 Ei.Y.	9.41	28.1 W.
B. D. -11° 5434 $\alpha = 20^h 43^m$ $\delta = -11^\circ 49'$			B. D. +51° 2957 $\alpha = 20^h 45^m$ $\delta = +51^\circ 32'$			B. D. +49° 3386 $\alpha = 20^h 46^m$ $\delta = +49^\circ 45'$			μ Aquarii $\alpha = 20^h 47^m 15^s.671$ $\delta = -9^\circ 21' 31''.49$		
1904	s	"	1907	s	"	1907	s	"	1903	s	"
Aug. 3 Ei.Y.	57.12	30.4 W.	Sept. 13 Hl.M.	41.55	21.9 E.	Sept. 13 Hl.M.	28.56	15.9 E.	Sept. 11 Ei.Y.	+0.02	-0.3 W.
6 Ei.Y.	57.10	30.9 W.	14 P.M.	41.60	21.4	14 P.M.	28.56	15.7	21 R.	-0.02	0.0
Sept. 29 Ei.Y.	57.12	31.3 E.	25 P.	41.48	21.8	25 P.	28.45	15.8	26 L.	+0.05	+0.6
1906			26 M.	41.44	21.4 E.	26 M.	28.37	16.2 E.	28 L.	+0.08	+0.2
Sept. 20 Ei.Y.	57.15	29.7 W.	Mean.....	41.518	21.62	Mean.....	28.485	15.90	30 L.	+0.01	+0.8
Mean.....	57.122	30.58	Mag. corr....	-0.003		Mag. corr....	+0.003		Oct. 12 L.	+0.02	+0.7
Mag. corr....	+0.002					B. D. +50° 3211 $\alpha = 20^h 46^m$ $\delta = +50^\circ 56'$			13 Br.	+0.07	0.0
C. P. D. -25° 7197 $\alpha = 20^h 44^m$ $\delta = -25^\circ 21'$			B. D. -14° 5866 $\alpha = 20^h 45^m$ $\delta = -14^\circ 17'$			1908	s	"	15 L.	+0.06	+0.4
1904	s	"	1904	s	"	June 15 P.	32.36	33.6 W.	19 L.	+0.09	+0.4
July 19 Ei.Y.	36.56	5.4 W.	Aug. 11 Ei.Y.	46.70	46.3 W.	16 Fk.	32.35	33.8	20 Br.	+0.04	-0.2
29 Ei.Y.	36.60	6.7 W.	12 Ei.Y.	46.66	45.9 W.	18 P.	32.36	33.5	21 R.	+0.03	+1.4
Sept. 15 Ei.Y.	36.60	5.1 E.	Sept. 10 Ei.Y.	46.66	46.3 E.	20 P.	32.48	33.6	1904		
1906			1906			23 M.	32.44	34.0 W.	June 15 R.	+0.05	+0.8
Sept. 24 Ei.Y.	36.53	5.9 W.	Sept. 19 Ei.Y.	46.74	46.7 W.	Mean.....	32.398	33.70	17 Ei.Y.	+0.05	+1.6
Mean.....	36.572	5.78	Mean.....	46.690	46.30	Mag. corr....	+0.008		22 Ei.Y.	+0.05	+1.4
Mag. corr....	+0.016		Mag. corr....	0.000					11 Br.	+0.03	+0.4
									13 R.	+0.07	+0.5
									17 M.	+0.03	+1.3
									26 T.	+0.06	+0.7 W.

1905			1906			B. D. -15° 5833			1909		
June 19 Hl.	+0.04	+2.0 E.	Sept. 20 Ei.Y.	50.34	27.5 W.	$\alpha = 20^h 49^m$			Nov. 22 M.	[+0.05]	[+0.6] E.
Sept. 19 Bs.	0.00	+1.1 W.	Mean.....	50.342	28.18	$\delta = -15^\circ 39'$			26 P.	[+0.18]	[-0.1]
28 Hl.	+0.05	+1.3	Mag. corr....	+0.010					27 L.	[-0.19]	[+0.4]
Oct. 6 Br.	+0.02	+1.4							29 M.	[+0.11]	[+0.2] E.
1906			C. P. D. -24° 7109			1903			Mean.....		
June 25 Ei.Y.	0.00	+1.0	$\alpha = 20^h 48^m$			Sept. 10 Ei.Y.	21.78	47.0 W.	Mag. corr....	-0.024	+0.13
27 Hl.	+0.04		$\delta = -24^\circ 39'$			11 Ei.Y.	21.71	46.2 W.		-0.004	
Sept. 5 P.	+0.04	+1.0				1904			[+0.129][+0.29]		
Oct. 12 Hl.	+0.11	+1.1 W.				Sept. 10 Ei.Y.	21.75	45.0 E.	76 Draconis s. p.		
1907						1906			$\alpha = 20^h 49^m 50^s.672$		
June 16 M.	+0.04	+0.6 E.	1904			Sept. 7 Ei.Y.	21.71	45.2 W.	$\delta = +82^\circ 9' 40''.20$		
19 P.	+0.08	+0.6	July 19 Ei.Y.	8.92	28.0 W.	Mean.....	21.738	45.85			
24 Hl.	+0.01	+1.3	29 Ei.Y.	8.92	28.2 W.	Mag. corr....	+0.003				
26 Hl.	+0.03	+1.4	Oct. 1 Ei.Y.	8.92	29.0 E.						
July 5 M.	+0.02	+0.7	1906			76 Draconis					
8 M.	+0.05	+0.5	Sept. 24 Ei.Y.	8.92	28.7 W.	$\alpha = 20^h 49^m 50^s.660$					
12 Hl.	+0.03	+1.1	Mean.....	8.920	28.48	$\delta = +82^\circ 9' 40''.19$					
16 Hl.	-0.01	+0.5	Mag. corr....	+0.009		1904					
Sept. 11 Hl.	0.00					June 20 Br.	-0.21	+0.7 W.			
Oct. 12 M.	+0.02	+1.3				26 R.	-0.07	+0.8			
15 Hl.	-0.05					July 10 R.	+0.12	... W.			
16 P.	+0.06	... E.				Sept. 21 M.	+0.29	-0.2 E.			
1908			B. D. -19° 5960			28 M.	-0.02	-0.2			
July 6 P.	+0.08	+0.6 W.	$\alpha = 20^h 49^m$			Oct. 3 M.	+0.10	+0.5			
Oct. 20 P.	+0.04	+2.0	$\delta = -19^\circ 10'$			7 Br.	-0.05	0.0			
26 M.	+0.01	+0.3				16 Br.	-0.18	-0.1			
27 P.	+0.08	+1.2 W.				19 M.	-0.02	+0.9			
1909			1904			31 M.	+0.11	-0.2			
Sept. 8 L.	+0.09	+0.9 E.	July 30 Ei.Y.	5.43	22.1 W.	Nov. 1 Br.	-0.12	+0.3			
13 L.	+0.06	+1.2	Aug. 15 Ei.Y.	5.50	21.8 W.	7 M.	-0.15	+0.1 E.			
14 P.	+0.04	+0.4	Oct. 5 Ei.Y.	5.41	22.1 E.	1905					
25 P.	+0.05	+0.7	1906			Sept. 6 Hl.	-0.05	+0.2 W.			
28 P.	+0.05	+1.4	June 29 Ei.Y.	5.44	22.3 W.	7 Bs.	+0.13	+0.3			
Oct. 22 M.	+0.08	+1.4	Mean.....	5.445	22.08	14 Bs.	+0.08	+0.6			
1910			Mag. corr....	+0.015		18 Hl.	-0.10	+0.3			
Oct. 12 L.	+0.03	+1.6 E.				22 Hl.	-0.15	...			
Mean.....	+0.041	+0.87				25 Bs.	+0.04	+0.3			
Mag. corr....	+0.001					29 Bs.	+0.10	+0.3			
B. D. -17° 6112			19 Capricorni			30 Hl.	-0.06	-0.3			
$\alpha = 20^h 47^m$			$\alpha = 20^h 49^m$			Oct. 7 Bs.	0.00	+0.3			
$\delta = -17^\circ 22'$			$\delta = -18^\circ 18'$			1906					
1904			1903			July 2 Br.	....	0.0			
June 18 Ei.Y.	18.34	53.3 W.	Sept. 3 Ei.Y.	8.96	8.3 W.	6 Bs.	-0.15	-0.1			
July 16 Ei.Y.	18.29	53.4 W.	5 Ei.Y.	8.80	8.5	9 Hl.	+0.08	...			
Sept. 16 Ei.Y.	18.26	54.0 E.	Oct. 22 L.	8.92	7.4	Aug. 4 Hl.	+0.04	...			
1906			26 L.	8.94	7.6 W.	11 Hl.	+0.02	...			
Sept. 7 Ei.Y.	18.29	53.6 W.	1904			15 Hl.	0.00	...			
Mean.....	18.295	53.58	Sept. 15 Ei.Y.	8.95	7.1 E.	Sept. 3 Hl.	+0.03	-0.3			
Mag. corr....	-0.009		1906			Oct. 11 Br.	-0.33	-0.4			
B. D. -12° 5854			June 25 Ei.Y.	8.88	7.2 W.	15 Hl.	-0.18	-0.1			
$\alpha = 20^h 47^m$			1907			23 Hl.	+0.19	... W.			
$\delta = -11^\circ 57'$			June 25 P.	8.88	7.4 E.	1907					
1904			30 P.	8.89	8.2	June 17 P.	-0.27	-0.2 E.			
Aug. 11 Ei.Y.	37.44	5.1 W.	July 3 P.	8.89	7.3	Sept. 20 P.	-0.28	+0.5			
12 Ei.Y.	37.44	5.1 W.	Aug. 6 Hl.	8.92	8.3	Oct. 8 P.	-0.36	+0.6 E.			
Sept. 10 Ei.Y.	37.46	5.4 E.	Sept. 13 Hl.M.	8.86	7.7 E.	1908					
1906			1908			Sept. 6 P.	-0.16	-0.2 W.			
Sept. 6 Ei.Y.	37.51	5.6 W.	July 1 Fk.	8.92	7.1 W.	Oct. 30 P.	+0.27	-0.1			
Mean.....	37.462	5.30	5 M.	8.88	7.2	31 L.	+0.09	+1.0			
Mag. corr....	+0.019		8 M.	8.85	7.7 W.	Nov. 1 P.	-0.20	+0.4			
B. D. -19° 5950			Mean.....	8.896	7.64	2 M.	-0.20	-0.5			
$\alpha = 20^h 47^m$			Mag. corr....	-0.005		3 P.	-0.07	+0.5			
$\delta = -19^\circ 29'$						5 M.	-0.03	-0.2			
1904			C. P. D. -23° 7879			7 L.	+0.16	+0.7			
Aug. 3 Ei.Y.	50.37	27.7 W.	1904			12 M.	-0.23	0.0			
6 Ei.Y.	50.34	28.4 W.	July 14 Ei.Y.	15.36	52.8 W.	16 M.	+0.33	+0.3			
Sept. 29 Ei.Y.	50.32	29.1 E.	16 Ei.Y.	15.40	53.4 W.	17 P.	+0.04	-0.5			
			Sept. 7 Ei.Y.	15.41	53.5 E.	18 L.	[+0.33]	[+0.6]			
			1906			20 P.	[+0.34]	[-0.3] W.			
			Sept. 19 Ei.Y.	15.38	53.2 W.	1909					
			Mean.....	15.388	53.22	Oct. 28 M.	+0.19	-1.2 E.			
			Mag. corr....	-0.006		Nov. 2 P.	....	+0.5			
						4 M.	+0.15	-0.2			
						11 M.	-0.07	+0.6			
						12 L.	-0.15	0.0			
						13 M.	+0.11	0.0			
						20 L.	[+0.08]	[+0.6] E.			

1909			1910			1907			1908		
Nov. 12 M.	-0.30	-0.8 E.	Sept. 15 M.	0.00	+0.2 E.	Sept. 14 P.M.	-0.12	-0.8 E.	June 15 P.	0.00	+0.1 W.
25 P.	+0.04	-0.2	16 P.	-0.03	+0.7	16 M.	-0.24	-0.3	16 Fk.	-0.05	... W.
26 L.	+0.13	+0.6	17 L.	+0.01	+0.6 E.	21 M.	....	-0.3	Mean.....	+0.007	+0.69
30 L.	-0.35	+1.1	Mean.....	-0.002	+0.33	29 M.	+0.22	-0.3 E.	Mag. corr....	-0.003	
Dec. 1 M.	-0.29	+0.5 E.	Mag. corr....	0.000		1908			B. D. -20° 6090		
Mean.....	+0.002	+0.13	B. D. +40° 4354			June 18 P.	-0.32	-0.7 W.	$\alpha = 20^h 53^m$		
Mag. corr....	-0.004		$\delta = +40^\circ 19'$			20 P.	-0.16	-0.3	$\delta = -20^\circ 49'$		
B. D. -13° 5791			1906			22 Fk.	+0.06	+0.3	1904		
$\alpha = 20^h 50^m$			Aug. 31 Br.	38.20	20.8 W.	23 M.	+0.03	-0.5	June 18 Ei.Y.	40.74	53.3 W.
$\delta = -13^\circ 14'$			Sept. 4 Br.	38.22	20.8 W.	26 Fk.	-0.03	-0.3 W.	23 Ei.Y.	40.74	52.5 W.
1904			Mean.....	38.210	20.80	Mean.....	-0.047	-0.36	Sept. 16 Ei.Y.	40.74	53.8 E.
June 18 Ei.Y.	9.71	55.5 W.	Mag. corr....	+0.014		Mag. corr....	-0.005		1906		
23 Ei.Y.	9.71	54.9 W.	B. D. -22° 5572			220 H ¹ . Draconis s. p.			Sept. 6 Ei.Y.	40.70	53.8 W.
Sept. 16 Ei.Y.	9.67	55.9 E.	$\alpha = 20^h 51^m$			$\delta = +80^\circ 10' 38''.41$			Mean.....	40.730	53.35
1906			$\delta = -22^\circ 23'$			1906			Mag. corr....	+0.002	
Sept. 6 Ei.Y.	9.65	55.9 W.	1904			Mar. 21 Bs.	+0.01	-0.3 W.	B. D. -11° 5484		
Mean.....	9.685	55.55	July 6 Ei.Y.	5.80	20.4 W.	23 Br.	+0.04	-0.1 W.	$\alpha = 20^h 53^m$		
Mag. corr....	0.000		29 Ei.Y.	5.77	20.5 W.	1907			$\delta = -11^\circ 6'$		
32 Vulpeculae			Oct. 1 Ei.Y.	5.80	19.9 E.	Dec. 18 M.	-0.14	-0.8 E.	1903		
$\alpha = 20^h 50^m 17''.882$			Sept. 20 Ei.Y.	5.77	19.2 W.	1908			Sept. 10 Ei.Y.	48.48	4.2 W.
$\delta = +27^\circ 40' 37''.92$			Mean.....	5.785	20.00	Feb. 7 P.	-0.36	-0.1	11 Ei.Y.	48.41	4.0 W.
1903			Mag. corr....	+0.006		20 M.	-0.15	+1.2	1904		
Sept. 23 R.	+0.01	+0.1 W.	7 Aquarii			9 M.	-0.07	-0.6	Oct. 1 Ei.Y.	48.36	2.7 E.
24 L.	+0.07	+0.4	$\alpha = 20^h 51^m$			12 Hl.	+0.14	-0.9 E.	Sept. 20 Ei.Y.	48.52	2.9 W.
25 R.	-0.02	...	$\delta = -10^\circ 4'$			Dec. 8 L.	+0.02	-0.6 W.	Mean.....	48.442	3.45
26 L.	-0.03	+0.2	1904			9 M.	-0.15	-0.1	Mag. corr....	-0.009	
29 R.	+0.05	+0.4	June 15 R.	29.84	50.9 W.	27 M.	+0.10	-0.2 W.	B. D. -19° 5982		
30 L.	+0.01	+0.2	Aug. 11 Ei.Y.	29.77	50.7	Mean.....	-0.056	-0.25	$\alpha = 20^h 53^m$		
Oct. 7 R.	+0.02	-0.1	12 Ei.Y.	29.79	50.7 W.	Mag. corr....	-0.004		$\delta = -19^\circ 25'$		
14 R.	+0.02	-0.4	Sept. 29 Ei.Y.	29.78	52.5 E.	B. D. -12° 5876			1904		
1904			1905			$\alpha = 20^h 52^m$			July 14 Ei.Y.	55.33	22.3 W.
July 2 R.	+0.03	+0.1	June 21 Hl.	29.89	51.6 E.	$\delta = -12^\circ 20'$			16 Ei.Y.	55.30	21.9 W.
1905			Sept. 19 Bs.	29.84	50.9 W.	1904			Oct. 5 Ei.Y.	55.28	22.3 E.
Aug. 23 Hl.	-0.03	+0.4	21 Bs.	29.86	50.5	July 6 Ei.Y.	33.92	24.5 W.	1906		
30 Hl.	-0.01	-0.3	28 Hl.	29.86	50.8	19 Ei.Y.	33.93	24.4 W.	Sept. 24 Ei.Y.	55.27	22.0 W.
1906			Oct. 6 Br.	29.80	49.8	Sept. 15 Ei.Y.	33.92	24.0 E.	Mean.....	55.295	22.12
June 27 Hl.	0.00	... W.	1906			June 25 Ei.Y.	33.86	24.1 W.	Mag. corr....	+0.021	
1907			Sept. 24 Ei.Y.	29.86	50.8 W.	Mean.....	33.908	24.25	B. D. -13° 5813		
June 14 P.	+0.01	+0.5 E.	1907			Mag. corr....	+0.006		$\alpha = 20^h 54^m$		
July 4 Hl.	-0.04	+0.4	June 19 P.	29.86	51.1 E.	B. D. -15° 5848			$\delta = -13^\circ 26'$		
5 M.	+0.03	+0.2	21 P.	29.84	51.2	$\alpha = 20^h 53^m$			1904		
Sept. 11 Hl.	-0.02	+0.2	July 7 Hl.	29.79	50.8	$\delta = -14^\circ 52'$			Aug. 11 Ei.Y.	25.21	25.4 W.
12 M.P.	+0.03	+0.3	23 P.	29.87	51.0 E.	1903			12 Ei.Y.	25.17	25.0 W.
15 Hl.P.	+0.01	+0.6	Mean.....	29.832	50.95	Sept. 3 Ei.Y.	9.71	10.0 W.	Sept. 29 Ei.Y.	25.13	25.8 E.
Oct. 12 M.	0.00	... E.	Mag. corr....	-0.004		5 Ei.Y.	9.64	10.5 W.	1906		
1908			B. D. -16° 5741			1904			June 29 Ei.Y.	25.13	25.3 W.
June 16 Fk.	-0.06	... W.	$\alpha = 20^h 52^m$			Sept. 7 Ei.Y.	9.70	9.4 E.	Mean.....	25.160	25.38
28 M.	0.00	+0.1	$\delta = -16^\circ 24'$			1906	Sept. 7 Ei.Y.	9.68	Mag. corr....	+0.016	
July 13 P.	0.00	+0.4	1904			Mean.....	9.682	9.78	γ Microscopii		
Oct. 17 P.	-0.04	+0.3	July 30 Ei.Y.	4.89	58.8 W.	Mag. corr....	-0.010		$\alpha = 20^h 55^m 9''.560$		
20 P.	0.00	+1.2	Sept. 10 Ei.Y.	4.88	58.2 E.	$\delta = -32^\circ 38' 54''.90$			1904		
26 M.	+0.02	0.0	1906			ν Cygni			June 15 R.	+0.02	+0.2 W.
27 P.	+0.01	+0.9 W.	June 29 Ei.Y.	4.84	58.9 W.	$\alpha = 20^h 53^m 26''.694$			July 11 Br.	+0.06	-0.6
1909			Sept. 7 Ei.Y.	4.85	58.5 W.	$\delta = +40^\circ 46' 55''.04$			13 R.	+0.02	+0.2
Sept. 8 L.	+0.02	+0.8 E.	Mean.....	4.865	58.60	1903			17 M.	-0.04	+0.5
13 L.	0.00	+0.1	Mag. corr....	-0.010		Oct. 12 L.	+0.03	+0.6 W.	26 T.	+0.02	+0.8
14 P.	-0.02	+0.3	220 H ¹ . Draconis			22 L.	+0.06	+0.4	1905		
25 P.	-0.03	+0.4	$\alpha = 20^h 52^m 7''.964$			26 L.	+0.05	+0.6 W.	Aug. 23 Hl.	-0.04	+0.6 W.
28 P.	-0.01	+0.8	$\delta = +80^\circ 10' 38''.41$			1907			1907		
Oct. 22 M.	+0.03	+0.4	1907			June 24 Hl.	+0.03	+1.1 E.	July 4 Hl.	+0.01	0.0 E.
26 P.	-0.04	+0.9	June 16 M.	-0.08	-0.3 E.	30 P.	-0.02	+0.8	7 Hl.	+0.06	+1.0
29 P.	+0.02	-0.1	July 8 M.	+0.17	-0.5 E.	Sept. 20 P.	-0.04	+1.1	8 M.	+0.06	-0.6 E.
Nov. 5 L.	+0.01	+0.6				26 M.	+0.01	+0.8 E.			
1910											
June 24 M.	-0.02	-0.2									
25 L.	+0.02	+0.6									
26 M.	0.00	-0.3									
July 22 M.	-0.06	+0.4									
Aug. 19 L.	-0.02	+0.4									
20 P.	-0.04	+0.4 E.									

1907			1903			1908			1908		
Aug. 6 Hl.	+0.06	+0.6 E.	Sept. 29 R.	25.52	49.6 W.	June 20 P.	42.94	1.0 W.	Oct. 31 L.	+0.10	+1.5 W.
Sept. 25 P.	+0.03	+0.2 E.	30 L.	25.50	49.7	Sept. 6 P.	42.90	1.8 W.	Nov. 1 P.	+0.02	+2.1
Mean.....	+0.024	+0.26	Oct. 6 Br.	25.48	49.6	Mean.....	42.921	1.38	5 M.	+0.13	+1.2
Mag. corr.....	+0.001		1904			Mag. corr.....	+0.001		7 L.	+0.07	+0.6 W.
B. D. -18° 5831			July 2 R.	25.54	50.1 W.	θ Capricorni			1909		
$\alpha = 20^h 55^m$			June 14 P.	25.44	49.9 E.	$\alpha = 21^h 0^m 19^s.639$			May 12 M.	[+0.04]	[+0.3] E.
$\delta = -17^\circ 55'$			16 M.	25.45	50.0	$\delta = -17^\circ 37' 49''.66$			June 6 M.	.....	[+0.5]
1904			21 P.	25.50	50.4	1903			Aug. 1 P.	.....	+0.2
July 30 Ei.Y.	14.15	14.6 W.	24 Hl.	25.45	50.1	Sept. 24 L.	+0.07	+0.8 W.	Nov. 19 P.	+0.04	-0.3
Aug. 15 Ei.Y.	14.18	14.0 W.	25 P.	25.46	50.5 E.	26 L.	+0.06	+0.8	26 P.	[+0.08]	[+0.6]
Oct. 1 Ei.Y.	14.10	13.8 E.	Mean.....	25.480	49.97	29 R.	+0.02	+0.7	1910		
1906			Mag. corr.....	+0.001		30 L.	+0.07	+0.7	June 25 L.	+0.07	+1.0
Sept. 19 Ei.Y.	14.21	14.9 W.	B. D. -12° 5890			Oct. 12 L.	+0.01	+1.2	26 M.	+0.09	+0.8
Mean.....	14.160	14.32	$\alpha = 20^h 56^m$			13 Br.	+0.05	+0.6	July 23 P.	+0.04	+0.5
Mag. corr.....	+0.017		$\delta = -12^\circ 5'$			15 L.	0.00	+0.6	Aug. 19 L.	+0.16	+1.4
C. P. D. -23° 7896			1904			19 L.	+0.04	+0.7	Sept. 15 M.	+0.04	+1.1
$\alpha = 20^h 55^m$			July 14 Ei.Y.	32.63	16.2 W.	20 Br.	+0.11	-0.3	16 P.	+0.08	+0.4
$\delta = -23^\circ 28'$			16 Ei.Y.	32.66	15.8 W.	21 R.	+0.08	+1.0	Oct. 11 P.	+0.09	-0.1
1904			Sept. 10 Ei.Y.	32.63	16.0 E.	1904			12 L.	+0.04	+1.7
July 6 Ei.Y.	36.80	9.6 W.	1906			June 20 Br.	+0.05	+0.7	Nov. 8 P.	+0.02	0.0 E.
19 Ei.Y.	36.81	9.5 W.	Sept. 20 Ei.Y.	32.64	16.1 W.	July 14 Ei.Y.	+0.02	+0.5	Mean.....	+0.056	+0.80
Sept. 15 Ei.Y.	36.79	9.8 E.	Mean.....	32.640	16.02	16 Ei.Y.	+0.09	+0.8	Mag. corr.....	+0.005	
1906			Mag. corr.....	+0.010		29 Ei.Y.	+0.08	+0.5	B. D. -11° 5524		
June 25 Ei.Y.	36.76	9.8 W.	B. D. -16° 5769			Aug. 3 Ei.Y.	+0.03	+0.8	$\alpha = 21^h 0^m$		
Mean.....	36.790	9.68	$\alpha = 20^h 57^m$			6 Ei.Y.	-0.02	+0.2 W.	$\delta = -11^\circ 0'$		
Mag. corr.....	+0.005		$\delta = -15^\circ 51'$			Sept. 15 Ei.Y.	+0.06	+1.3 E.	1904		
B. D. -14° 5903			1903			21 M.	+0.04	+1.6	July 6 Ei.Y.	26.36	38.2 W.
$\alpha = 20^h 55^m$			Sept. 10 Ei.Y.	0.55	57.3 W.	26 M.	+0.04	+0.4	19 Ei.Y.	26.39	38.0 W.
$\delta = -13^\circ 55'$			11 Ei.Y.	0.54	57.0 W.	29 Ei.Y.	+0.04	-0.7	Sept. 7 Ei.Y.	26.39	38.2 E.
1904			1904			Oct. 3 M.	+0.08	+0.5	1906		
June 18 Ei.Y.	37.75	15.5 W.	Oct. 5 Ei.Y.	0.56	56.6 E.	7 Br.	+0.06	+0.6	Sept. 7 Ei.Y.	26.33	38.6 W.
23 Ei.Y.	37.80	14.6 W.	1906			10 Ei.Y.	+0.05	0.0	Mean.....	26.368	38.25
Sept. 7 Ei.Y.	37.71	15.9 E.	Sept. 24 Ei.Y.	0.63	56.6 W.	13 Ei.Y.	+0.05	+0.6	Mag. corr.....	-0.002	
1906			Mean.....	0.570	56.88	16 Br.	+0.06	+0.6	B. D. -20° 6127		
Sept. 7 Ei.Y.	37.73	16.0 W.	Mag. corr.....	+0.002		19 M.	+0.06	+1.5	$\alpha = 21^h 0^m$		
Mean.....	37.748	15.50	B. D. -10° 5578			25 Br.	+0.08	+1.4	$\delta = -20^\circ 34'$		
Mag. corr.....	+0.016		$\alpha = 20^h 57^m$			31 M.	+0.05	+0.8	1904		
B. D. +38° 4306			$\delta = -10^\circ 23'$			Nov. 1 Br.	+0.07	+0.4	June 18 Ei.Y.	59.95	47.6 W.
$\alpha = 20^h 55^m$			1904			7 M.	+0.06	+1.6	23 Ei.Y.	59.93	47.1 W.
$\delta = +38^\circ 25'$			July 30 Ei.Y.	10.92	21.9 W.	14 M.	+0.06	+0.4	Sept. 16 Ei.Y.	59.98	48.3 E.
1906			Aug. 15 Ei.Y.	10.99	22.1 W.	1905			1906		
Aug. 31 Br.	51.70	59.3 W.	Sept. 29 Ei.Y.	10.94	23.4 E.	June 19 Hl.	+0.07	+0.9 E.	Sept. 6 Ei.Y.	59.92	48.6 W.
Sept. 4 Br.	51.71	59.2 W.	1906			Aug. 30 Hl.	+0.06	+1.1 W.	Mean.....	59.945	47.90
Mean.....	51.705	59.25	June 29 Ei.Y.	10.89	22.3 W.	Sept. 12 Bs.	+0.06	+1.7	Mag. corr.....	+0.015	
Mag. corr.....	+0.012		Mean.....	10.935	22.42	18 Hl.	+0.07	+0.7	C. P. D. -23° 7916		
B. D. -21° 5901			η Capricorni			22 Hl.	+0.09	+0.3	$\alpha = 21^h 1^m$		
$\alpha = 20^h 56^m$			$\alpha = 20^h 58^m$			25 Bs.	+0.08	+1.1	$\delta = -23^\circ 33'$		
$\delta = -21^\circ 43'$			$\delta = -20^\circ 15'$			26 Hl.	+0.09	+0.3	1903		
1903			1903			30 Hl.	+0.04	+0.6	Sept. 3 Ei.Y.	15.50	1.8 W.
Sept. 3 Ei.Y.	22.85	28.1 W.	Oct. 7 R.	42.96	1.8 W.	1906			5 Ei.Y.	15.38	1.4 W.
5 Ei.Y.	22.80	27.6 W.	22 L.	42.94	1.7	June 25 Ei.Y.	+0.05	+0.6	1904		
1904			26 L.	42.91	2.1	27 Hl.	-0.01	...	Sept. 10 Ei.Y.	15.44	0.6 E.
Sept. 16 Ei.Y.	22.80	27.9 E.	29 L.	42.91	2.5	29 Ei.Y.	+0.04	+0.4	1906		
1906			1904			5 P.	0.00	-0.2	Sept. 20 Ei.Y.	15.50	0.8 W.
Sept. 6 Ei.Y.	22.82	27.3 W.	Aug. 11 Ei.Y.	42.94	0.3	24 Ei.Y.	+0.05	+1.1	Mean.....	15.455	1.15
Mean.....	22.818	27.72	12 Ei.Y.	42.86	0.4 W.	25 Ei.Y.	+0.05	+1.8	Mag. corr.....	+0.012	
Mag. corr.....	-0.012		Oct. 1 Ei.Y.	42.94	1.3 E.	Oct. 11 Br.	+0.09	+1.2	A Capricorni		
f^1 Cygni			1906			15 Hl.	+0.05	+1.5	$\alpha = 21^h 1^m$		
$\alpha = 20^h 56^m$			Sept. 19 Ei.Y.	42.94	1.3 W.	23 P.	+0.08	+0.8	$\delta = -25^\circ 24'$		
$\delta = +47^\circ 7'$			1907			Aug. 6 Hl.	+0.08	+0.3	1906		
1903			June 25 P.	42.95	0.7 E.	Oct. 12 M.	+0.06	... E.	July 6 Bs.	16.84	19.3 W.
Sept. 23 R.	25.44	49.6 W.	July 3 P.	42.84	1.4	1908			Oct. 12 Hl.	16.92	19.2 W.
26 L.	25.50	50.2 W.	Sept. 16 M.	42.95	1.3	June 15 P.	+0.03	+1.0 W.	1907		
			20 P.	42.92	1.4	16 Fk.	+0.03	+1.6	July 5 M.	16.89	20.5 E.
			21 M.	42.91	1.7 E.	23 M.	+0.07	...	Sept. 23 M.	16.85	20.3
						Aug. 29 Fk.	+0.03	... W.	25 P.	16.85	19.6
									26 M.	16.85	20.0
									Oct. 14 M.	16.81	20.4 E.

1908			1907			B. D. -21° 5940			1909		
June 18 P.	16.78	21.4 W.	Oct. 9 M.	+0.05	+1.2 E.	$\alpha = 21^h 3^m$			May 12 M.	[+0.10]	[-0.4] E.
26 Fk.	16.84	18.8	12 M.	+0.11	+0.6	$\delta = -20^\circ 57'$			Sept. 8 L.	+0.04	+0.4
28 M.	16.79	20.5 W.	13 Hl.	+0.06	+0.4 E.				28 P.	+0.08	-0.2
Mean.....	16.842	20.00	1908			1904			Nov. 12 L.	+0.07	-0.2
Mag. corr.....	+0.004		June 22 Fk.	+0.10	+0.1 W.	July 30 Ei.Y.	50.06	29.3 W.	13 M.	+0.08	-0.3
ξ Cygni			July 1 Fk.	+0.09	+0.4	Aug. 15 Ei.Y.	50.13	28.9 W.	19 P.	+0.06	-0.3
$\alpha = 21^h 1^m$			5 M.	+0.04	+0.3	Sept. 10 Ei.Y.	50.04	28.5 E.	26 P.	[+0.07]	[-0.3]
$\delta = +43^\circ 31'$			8 M.	+0.09	0.0 W.	1906			1910		
1905			Mean.....	+0.076	+0.42	Sept. 20 Ei.Y.	50.10	29.1 W.	June 25 L.	+0.09	+1.1
June 21 Hl.	17.63	43.9 E.	Mag. corr.....	-0.004		Mean.....	50.082	28.95	Aug. 19 L.	+0.09	+0.6
Sept. 29 Bs.	17.60	44.6 W.				Mag. corr.....	+0.021		Nov. 9 L.	+0.10	-0.4
Oct. 4 Bs.	17.53	43.9	B. D. -13° 5857						19 L.	+0.15	... E.
6 Br.	17.55	44.5	$\alpha = 21^h 2^m$			γ Aquarii			Mean.....	+0.069	+0.08
8 Bs.	17.64	44.0	$\delta = -13^\circ 17'$			$\alpha = 21^h 4^m 8^s.883$			Mag. corr.....	+0.004	
21 Bs.	17.59	44.2 W.				$\delta = -11^\circ 46' 35''.73$			B. D. -16° 5810		
1907			1904			1903			$\alpha = 21^h 4^m$		
June 16 M.	17.55	43.6 E.	July 14 Ei.Y.	46.68	0.6 W.	Sept. 3 Ei.Y.	+0.05	-0.2 W.	$\delta = -16^\circ 6'$		
21 P.	17.53	43.7	16 Ei.Y.	46.66	0.2 W.	5 Ei.Y.	-0.03	-0.8	1904		
Sept. 29 M.	17.61	44.1	Sept. 15 Ei.Y.	46.66	0.6 E.	Oct. 12 L.	+0.11	0.0	Aug. 11 Ei.Y.	34.95	27.1 W.
30 M.	17.72	44.2 E.	1906			14 R.	+0.09	-1.2	12 Ei.Y.	34.92	27.3 W.
Mean.....	17.595	44.07	Sept. 24 Ei.Y.	46.67	0.8 W.	15 L.	+0.08	0.0	Oct. 1 Ei.Y.	34.96	25.9 E.
Mag. corr.....	-0.009		Mean.....	46.668	0.55	19 L.	+0.06	-0.1	1906		
			Mag. corr.....	-0.002		21 R.	+0.08	-0.1	June 29 Ei.Y.	34.94	27.9 W.
B. D. -14° 5936 (pr.)						22 L.	+0.08	+0.2	Mean.....	34.942	27.05
$\alpha = 21^h 1^m$			B. D. -21° 5933			26 L.	+0.05	+0.5	Mag. corr.....	+0.007	
$\delta = -14^\circ 19'$			$\alpha = 21^h 2^m$			27 Br.	+0.07	+0.4	B. D. -17° 6196		
1904			$\delta = -21^\circ 35'$			29 L.	+0.04	-0.1	$\alpha = 21^h 4^m$		
July 30 Ei.Y.	37.21	22.6 W.	1904			Nov. 3 Br.	+0.06	+0.2	$\delta = -17^\circ 21'$		
Aug. 15 Ei.Y.	37.32	21.7 W.	July 6 Ei.Y.	50.07	43.5 W.	7 R.	+0.08	-0.1	$\alpha = 21^h 4^m$		
Oct. 5 Ei.Y.	37.24	22.7 E.	19 Ei.Y.	50.02	43.5 W.	1904			$\delta = -17^\circ 21'$		
1906			Oct. 10 Ei.Y.	50.03	44.2 E.	June 20 Br.	+0.08	+0.3	1903		
Sept. 25 Ei.Y.	37.28	22.0 W.	1906			July 29 Ei.Y.	+0.04	+0.3 W.	Sept. 10 Ei.Y.	46.97	51.2 W.
Mean.....	37.262	22.25	Sept. 7 Ei.Y.	50.06	44.2 W.	Sept. 7 Ei.Y.	+0.10	+0.1 E.	11 Ei.Y.	46.96	51.1 W.
Mag. corr.....	+0.008		Mean.....	50.045	43.85	21 M.	+0.13	+0.3	1904		
			Mag. corr.....	-0.002		26 M.	+0.04	-0.3	Oct. 13 Ei.Y.	46.97	50.4 E.
B. D. -19° 6024						5 Ei.Y.	+0.02	0.0	1906		
$\alpha = 21^h 1^m$			γ^2 Cygni			7 Br.	+0.05	+0.2	Sept. 19 Ei.Y.	46.92	50.6 W.
$\delta = -19^\circ 29'$			$\alpha = 21^h 3^m$			16 Br.	+0.06	+0.5	Mean.....	46.955	50.82
1903			$\delta = +47^\circ 14'$			19 M.	+0.04	-0.2	Mag. corr.....	-0.005	
Sept. 10 Ei.Y.	49.92	18.8 W.	1907			25 Br.	+0.10	-0.1	C. P. D. -23° 7931		
11 Ei.Y.	49.93	18.2 W.	June 27 P.	9.34	47.4 E.	31 M.	+0.02	+0.3	$\alpha = 21^h 4^m$		
1904			30 P.	9.44	46.5	Nov. 1 Br.	+0.06	0.0	$\delta = -23^\circ 42'$		
Oct. 1 Ei.Y.	49.95	18.0 E.	July 4 Hl.	9.43	47.5	7 M.	+0.08	+0.2	1904		
1906			23 P.	9.48	47.5	14 M.	+0.09	+0.1 E.	July 14 Ei.Y.	52.96	55.9 W.
June 29 Ei.Y.	49.97	17.4 W.	Sept. 16 M.	9.43	47.5 E.	1905			16 Ei.Y.	52.89	55.4 W.
Mean.....	49.942	18.10	1908			Aug. 23 Hl.	+0.07	-0.1 W.	Sept. 15 Ei.Y.	52.94	56.0 E.
Mag. corr.....	+0.014		June 15 P.	9.40	47.3 W.	Sept. 6 Hl.	+0.11	+1.1	1906		
B. D. -22° 5612			20 P.	9.34	47.2	8 Hl.	+0.05	+0.6	Sept. 24 Ei.Y.	52.97	56.4 W.
$\alpha = 21^h 2^m$			23 M.	9.44	47.1	12 Bs.	+0.09	+1.2	Mean.....	52.940	55.92
$\delta = -22^\circ 44'$			July 10 Fk.	9.40	47.6	15 Hl.	+0.09	+0.4	Mag. corr.....	0.000	
1904			13 P.	9.44	47.2 W.	22 Hl.	+0.11	+0.9	B. D. -18° 5875		
Aug. 11 Ei.Y.	10.21	11.8 W.	Mean.....	9.414	47.28	25 Bs.	0.00	0.0	$\alpha = 21^h 4^m$		
12 Ei.Y.	10.20	12.1 W.	Mag. corr.....	0.000		26 Hl.	+0.11	+0.6	$\delta = -18^\circ 44'$		
Sept. 29 Ei.Y.	10.18	14.1 E.				1906			1904		
1906			B. D. -20° 6140			June 27 Hl.	+0.04	...	July 6 Ei.Y.	54.48	13.6 W.
Sept. 19 Ei.Y.	10.19	12.4 W.	$\alpha = 21^h 3^m$			Aug. 31 Br.	+0.02	-0.2	19 Ei.Y.	54.50	13.0 W.
Mean.....	10.195	12.60	$\delta = -20^\circ 35'$			Sept. 3 Hl.	+0.11	+0.1	Oct. 10 Ei.Y.	54.49	14.3 E.
Mag. corr.....	+0.003					4 Br.	+0.11	0.0	1906		
61 Cygni (pr.)			1904			25 Ei.Y.	+0.04	+0.6	Sept. 7 Ei.Y.	54.46	13.5 W.
$\alpha = 21^h 2^m 27^s.515$			June 18 Ei.Y.	33.71	51.1 W.	Oct. 12 Hl.	+0.09	+0.6	Mean.....	54.482	13.60
$\delta = +38^\circ 15' 52''.06$			23 Ei.Y.	33.68	50.1 W.	1908			Mag. corr.....	0.000	
1904			Sept. 16 Ei.Y.	33.71	52.0 E.	June 16 Fk.	+0.10	+0.3	B. D. -10° 5619		
July 2 R.	+0.10	+0.3 W.	1906			18 P.	+0.07	+0.2	$\alpha = 21^h 5^m$		
1907			Sept. 6 Ei.Y.	33.66	51.6 W.	28 M.	+0.12	-0.2	$\delta = -10^\circ 36'$		
July 8 M.	+0.09	+0.1 E.	Mean.....	33.690	51.20	Aug. 29 Fk.	+0.04	...	1904		
Sept. 20 P.	+0.03	+0.8 E.	Mag. corr.....	+0.013		Sept. 6 P.	+0.02	-0.3	June 18 Ei.Y.	20.25	58.9 W.
						Oct. 31 L.	+0.09	+0.6	23 Ei.Y.	20.24	58.1 W.
						Nov. 2 M.	+0.06	-0.1			
						3 P.	+0.03	-0.9			
						5 M.	+0.07	+0.5			
						7 L.	+0.02	-0.5			
						9 M.	+0.06	-1.0			
						10 P.	+0.04	-0.8			
						12 M.	+0.09	+0.8			
						16 M.	+0.05	-0.7 W.			

1904			98 B. Cephei			1906			1909		
Sept. 16 Ei.Y.	20.22	59.5 E.	$\alpha = 21^h 7^m 30^s.472$			Sept. 24 Ei.Y.	39.91	44.4 W.	Nov. 5 L.	+0.02	+0.8 E.
1906			$\delta = +77^\circ 43' 15''.22$			Mean.....	39.908	44.55	10 L.	+0.04	+0.6
Sept. 6 Ei.Y.	20.21	59.7 W.	1904			Mag. corr.....	+0.003		1910		
Mean.....	20.230	59.05	July 11 Br.	-0.27	+0.1 W.	ζ Cygni			June 26 M.	-0.02	+0.7 E.
Mag. corr.....	0.000		17 M.	-0.27	+1.2	$\alpha = 21^h 8^m 40^s.794$			Mean.....	+0.030	+0.55
B. D. -9° 5674			31 M.	-0.22	+0.6	$\delta = +29^\circ 48' 59''.37$			Mag. corr.....	-0.002	
$\alpha = 21^h 5^m$			1905			1903			B. D. -11° 5553		
$\delta = -9^\circ 45'$			Sept. 14 Bs.	-0.21	-0.7	Sept. 14 Ei.Y.	0.00	0.0 W.	$\alpha = 21^h 8^m$		
1904			29 Bs.	-0.03	+0.5	Oct. 12 L.	+0.04	+0.2	$\delta = -11^\circ 1'$		
July 30 Ei.Y.	23.54	35.4 W.	Oct. 4 Bs.	-0.31	-0.3 W.	13 Br.	+0.04	-0.3	1904		
Aug. 15 Ei.Y.	23.53	35.0 W.	1907			14 R.	+0.03	0.0	July 6 Ei.Y.	52.22	6.1 W.
Sept. 10 Ei.Y.	23.50	34.5 E.	June 16 M.	-0.27	+0.1 E.	15 L.	-0.01	0.0	19 Ei.Y.	52.19	6.0 W.
1906			26 Hl.	-0.40	+0.1	19 L.	+0.02	+0.3	Oct. 10 Ei.Y.	52.21	6.8 E.
Sept. 20 Ei.Y.	23.51	35.6 W.	July 8 M.	-0.16	-0.5	20 Br.	+0.02	-0.2	1906		
Mean.....	23.520	35.12	Sept. 29 M.	-0.02	+0.1	21 R.	+0.02	+0.7	Sept. 7 Ei.Y.	52.14	6.2 W.
Mag. corr.....	+0.017		30 M.	-0.01	-0.6 E.	22 L.	+0.03	+0.3	Mean.....	52.190	6.28
γ Equulei			Mean.....	-0.197	+0.05	26 L.	+0.04	+0.1	Mag. corr.....	+0.017	
$\alpha = 21^h 5^m$			Mag. corr.....	-0.010		27 Br.	+0.07	+0.2	G Cephei		
$\delta = +9^\circ 43'$			98 B. Cephei s. p.			29 L.	0.00	+0.2	$\alpha = 21^h 9^m$		
1903			$\alpha = 21^h 7^m 30^s.470$			1904			$\delta = +59^\circ 34'$		
Sept. 24 L.	28.76	43.5 W.	$\delta = +77^\circ 43' 15''.22$			June 20 Br.	+0.07	+1.2	1904		
26 L.	28.84	43.2	1904			July 2 R.	+0.01	+0.4	Oct. 27 Y.	15.46	30.6 E.
29 R.	28.78	43.0	Nov. 11 Y.	-0.24	+0.2 E.	1905			31 M.	15.51	30.9
30 L.	28.72	43.3	21 Br.	-0.18	+1.0	Aug. 30 Hl.	+0.03	+0.3	Nov. 1 Br.	15.56	31.1
Oct. 6 Br.	28.81	42.1	Dec. 7 Br.	-0.36	+1.0 E.	Sept. 7 Bs.	+0.07	+0.1	7 M.	15.55	30.2
7 R.	28.80	43.0 W.	1905			8 Hl.	+0.06	+0.9	14 M.	15.54	31.0 E.
1907			Dec. 5 Bs.	+0.26	-0.5 W.	12 Bs.	+0.06	+0.7	1908		
June 19 P.	28.76	42.3 E.	7 Br.	-0.15	+1.0	15 Hl.	+0.03	+0.6	June 18 P.	15.44	31.1 W.
21 P.	28.76	42.7	1906			18 Hl.	+0.03	+0.7	20 P.	15.46	30.9
25 P.	28.81	43.0	Mar. 21 Bs.	-0.01	+0.1	25 Bs.	+0.04	+0.3	22 Fk.	15.64	31.7
July 7 Hl.	28.84	42.8	23 Br.	-0.07	+0.4 W.	30 Hl.	+0.03	+1.5	23 M.	15.44	31.1
Sept. 21 M.	28.79	42.8 E.	1907			1906			26 Fk.	15.45	31.7 W.
Mean.....	28.788	42.88	Nov. 13 M.	+0.10	-1.1 E.	June 27 Hl.	+0.04	...	Mean.....	15.505	31.03
Mag. corr.....	+0.001		15 P.	+0.12	0.0 E.	Oct. 13 P.	+0.01	+0.6 W.	Mag. corr.....	-0.005	
B. D. -15° 5908			Mean.....	-0.059	+0.23	1907			B. D. -17° 6216		
$\alpha = 21^h 6^m$			Mag. corr.....	-0.009		June 27 P.	+0.01	+1.2 E.	$\alpha = 21^h 9^m$		
$\delta = -14^\circ 52'$			B. D. -20° 6159			30 P.	+0.03	+0.9	$\delta = -17^\circ 45'$		
1904			$\alpha = 21^h 8^m$			July 4 Hl.	+0.08	+1.0	1904		
Aug. 11 Ei.Y.	9.99	51.5 W.	$\delta = -20^\circ 30'$			16 Hl.	+0.02	...	June 18 Ei.Y.	31.02	31.1 W.
12 Ei.Y.	9.98	51.5 W.	1903			23 P.	+0.05	+0.4	23 Ei.Y.	31.02	30.2 W.
Oct. 5 Ei.Y.	9.93	51.4 E.	Sept. 3 Ei.Y.	16.84	1.9 W.	Aug. 6 Hl.	-0.01	+1.0	Sept. 16 Ei.Y.	31.01	31.4 E.
1906			5 Ei.Y.	16.76	2.2 W.	Sept. 21 M.	0.00	+0.5	1906		
Sept. 25 Ei.Y.	9.97	51.8 W.	1904			Oct. 1 Hl.	+0.02	+1.2	Sept. 6 Ei.Y.	30.98	31.4 W.
Mean.....	9.968	51.55	Oct. 1 Ei.Y.	16.84	1.6 E.	2 P.	+0.04	+0.7	Mean.....	31.008	31.02
Mag. corr.....	+0.019		1906			3 P.	-0.05	...	Mag. corr.....	+0.021	
3 Piscis Australis			June 29 Ei.Y.	16.78	1.6 W.	5 P.	-0.02	...	B. D. -21° 5974		
$\alpha = 21^h 7^m$			Mean.....	16.805	1.82	9 M.	+0.04	...	$\alpha = 21^h 9^m$		
$\delta = -28^\circ 1'$			Mag. corr.....	+0.001		12 M.	+0.06	...	$\delta = -21^\circ 3'$		
1905			B. D. -22° 5630			14 M.	+0.04	...	1904		
June 19 Hl.	21.74	38.4 E.	$\alpha = 21^h 8^m$			16 P.	+0.05	...	July 30 Ei.Y.	56.48	60.1 W.
Oct. 6 Br.	21.73	36.8 W.	$\delta = -22^\circ 37'$			17 M.	+0.04	... E.	Aug. 15 Ei.Y.	56.51	59.7 W.
8 Bs.	21.73	38.5	1904			1908			Sept. 10 Ei.Y.	56.50	59.8 E.
21 Bs.	21.78	37.7	July 14 Ei.Y.	17.15	27.3 W.	June 16 Fk.	-0.01	... W.	1906		
1906			16 Ei.Y.	17.10	26.8 W.	28 M.	+0.02	+0.7	Sept. 20 Ei.Y.	56.49	59.5 W.
July 6 Bs.	21.78	38.3	Sept. 29 Ei.Y.	17.14	28.9 E.	July 1 Fk.	+0.03	+0.8	Mean.....	56.495	59.78
Oct. 15 Hl.	21.77	37.1 W.	1906			5 M.	+0.03	...	Mag. corr.....	-0.003	
1907			Sept. 19 Ei.Y.	17.16	27.2 W.	8 M.	+0.04	0.0	B. D. -16° 5827		
July 5 M.	21.80	39.1 E.	Mean.....	17.138	27.55	10 Fk.	0.00	...	$\alpha = 21^h 10^m$		
Sept. 23 M.	21.70	38.8	Mag. corr.....	+0.013		13 P.	+0.15	-0.1	$\delta = -16^\circ 30'$		
25 P.	21.80	37.6	B. D. -13° 5881			15 M.	-0.02	...	1904		
26 M.	21.77	38.4 E.	$\alpha = 21^h 8^m$			Aug. 29 Fk.	-0.02	...	Aug. 11 Ei.Y.	1.60	20.3 W.
Mean.....	21.760	38.07	$\delta = -12^\circ 52'$			Nov. 2 M.	+0.01	+0.7	12 Ei.Y.	1.59	20.5 W.
Mag. corr.....	-0.005		1903			5 M.	+0.01	...	Oct. 5 Ei.Y.	1.62	21.4 E.
			Sept. 10 Ei.Y.	39.94	45.1 W.	7 L.	+0.08	+0.4			
			11 Ei.Y.	39.86	44.7 W.	9 M.	+0.05	...			
			1904			10 P.	+0.02	+0.5			
			Sept. 15 Ei.Y.	39.92	44.0 E.	12 M.	+0.02	+0.9			
						16 M.	+0.06	0.0 W.			
						1909					
						Sept. 8 L.	+0.05	+0.8 E.			
						28 P.	+0.06	+1.3			
						Oct. 22 M.	+0.08	+1.1			
						26 P.	-0.02	+0.9			
						29 P.	+0.04	+0.6 E.			

1906			1907			1904			1904		
Sept. 25	Ei.Y.	1.61 20.9 W.	June 19	P.	+0.05 +0.4 E.	Oct. 10	Ei.Y.	20.89 14.1 E.	July 26	T.	-0.02 -0.2 W.
Mean.....		1.605 20.78	July 7	Hl.	+0.03 +0.4	1906			31	M.	+0.01 +0.7 W.
Mag. corr....		-0.005	12	Hl.	+0.03 +1.0	Sept. 7	Ei.Y.	20.84 13.9 W.	1907		
B. D. -15° 5935			Oct. 2	P.	+0.08 +0.9 E.	Mean.....		20.870 14.45	June 25	P.	-0.06 0.0 E.
$\alpha = 21^h 10^m$			1908			Mag. corr....		-0.003	30	P.	-0.04 +0.2
$\delta = -15^\circ 35'$			June 16	Fk.	+0.04 +0.7 W.	B. D. -19° 6065			July 8	M.	+0.02 +0.3
1904			July 5	M.	+0.11 +0.9	$\alpha = 21^h 12^m$			23	P.	+0.01 -0.5
July 14	Ei.Y.	12.85 13.3 W.	15	M.	+0.05	$\delta = -19^\circ 6'$			Sept. 26	M.	-0.04 -0.3 E.
16	Ei.Y.	12.90 12.7 W.	16	P.	+0.03	1904			Mean.....		-0.009 -0.21
Oct. 1	Ei.Y.	12.91 12.9 E.	20	P.	+0.01	1904			Mag. corr....		+0.005
1906			Aug. 29	Fk.	+0.01	June 18	Ei.Y.	34.19 21.9 W.	B. D. -16° 5840		
June 29	Ei.Y.	12.85 13.5 W.	Sept. 6	P.	+0.02 +0.4	23	Ei.Y.	34.17 20.6 W.	$\alpha = 21^h 13^m$		
Mean.....		12.878 13.10	Oct. 30	P.	+0.05 +0.6	Sept. 16	Ei.Y.	34.14 21.9 E.	$\delta = -16^\circ 35'$		
Mag. corr....		-0.005	31	L.	0.00 +1.5	1906			1904		
B. D. -13° 5891			Nov. 3	P.	+0.01 +0.5	Sept. 6	Ei.Y.	34.14 21.7 W.	July 14	Ei.Y.	41.75 58.6 W.
$\alpha = 21^h 10^m$			5	M.	+0.06 +0.9	Mean.....		34.160 21.52	16	Ei.Y.	41.74 58.2 W.
$\delta = -13^\circ 37'$			6	P.	+0.03 -0.2	Mag. corr....		-0.005	Sept. 29	Ei.Y.	41.75 59.7 E.
1903			7	L.	+0.05 +0.2	B. D. -18° 5904			1906		
Sept. 3	Ei.Y.	31.00 0.6 W.	9	M.	+0.10 +0.1	$\alpha = 21^h 12^m$			Sept. 19	Ei.Y.	41.75 58.4 W.
5	Ei.Y.	30.97 2.4 W.	10	P.	+0.05 0.0	$\delta = -17^\circ 52'$			Mean.....		41.748 58.72
1904			12	M.	+0.04 +0.9	1904			Mag. corr....		+0.013
Sept. 29	Ei.Y.	31.00 1.6 E.	16	M.	+0.03 +0.1 W.	July 30	Ei.Y.	40.04 53.5 W.	v Cygni		
1906			Mean.....		+0.043 +0.52	Aug. 15	Ei.Y.	40.11 53.4 W.	$\alpha = 21^h 13^m$		
Sept. 19	Ei.Y.	31.04 0.4 W.	Mag. corr....		+0.007	Sept. 10	Ei.Y.	40.07 53.5 E.	$\delta = +34^\circ 28'$		
Mean.....		31.002 1.25	B. D. -9° 5700			1906			1903		
Mag. corr....		+0.017	$\alpha = 21^h 10^m$			Sept. 20	Ei.Y.	40.10 53.2 W.	Oct. 22	L.	48.36 36.9 W.
r Cygni			$\delta = -9^\circ 37'$			Mean.....		40.080 53.40	26	L.	48.34 36.7
$\alpha = 21^h 10^m 48^s.019$			1904			Mag. corr....		+0.020	27	Br.	48.41 37.3
$\delta = +37^\circ 37' 8''.67$			1904			B. D. -20° 6178			29	L.	48.32 36.4
1904			1904			$\alpha = 21^h 12^m$			Nov. 3	Br.	48.37 36.6
Oct. 3	M.	+0.03 +0.4 E.	July 6	Ei.Y.	55.73 51.9 W.	$\delta = -20^\circ 45'$			7	R.	48.37 35.8 W.
7	Br.	+0.02 +0.1	19	Ei.Y.	55.75 51.7 W.	1904			1905		
16	Br.	+0.06 +0.5	Sept. 15	Ei.Y.	55.76 51.7 E.	Aug. 11	Ei.Y.	46.06 15.2 W.	June 19	Hl.	48.38 38.0 E.
19	M.	+0.03 -0.1	1906			12	Ei.Y.	46.06 14.9 W.	1907		
25	Br.	+0.05 -0.3 E.	Sept. 24	Ei.Y.	55.76 52.1 W.	Oct. 5	Ei.Y.	45.98 15.8 E.	June 19	P.	48.27 37.1
1905			Mean.....		55.750 51.85	1906			July 16	Hl.	48.37 37.4
Sept. 28	Hl.	-0.01 +0.1 W.	Mag. corr....		+0.014	Sept. 25	Ei.Y.	46.02 15.4 W.	Aug. 6	Hl.	48.41 37.9
Oct. 6	Br.	+0.04 +0.6	4 Piscis Australis			Mean.....		46.030 15.32	Sept. 29	M.	48.36 37.2 E.
8	Bs.	0.00 -0.1	$\alpha = 21^h 11^m 52^s.523$			Mag. corr....		+0.015	Mean.....		48.360 37.03
21	Bs.	0.00 -0.2	$\delta = -32^\circ 35' 25''.34$			B. D. -13° 5901			Mag. corr....		+0.002
1906			1903			$\alpha = 21^h 13^m$			B. D. -14° 5997		
July 6	Bs.	0.00 +0.3 W.	Sept. 29	R.	+0.07 +1.4 W.	$\delta = -13^\circ 0'$			$\alpha = 21^h 14^m$		
Mean.....		+0.022 +0.13	1905			1904			$\delta = -14^\circ 26'$		
Mag. corr....		-0.008	Sept. 6	Hl.	+0.19 +1.4	July 18	Ei.Y.	5.87 54.4 W.	1903		
α Equulei			18	Hl.	+0.10 +0.6	Aug. 3	Ei.Y.	5.87 53.7 W.	Sept. 3	Ei.Y.	19.06 22.2 W.
$\alpha = 21^h 10^m 49^s.541$			29	Bs.	+0.02 0.0	Oct. 1	Ei.Y.	5.98 54.5 E.	5	Ei.Y.	19.02 22.2 W.
$\delta = +4^\circ 50' 2''.91$			1906			1906			1904		
1903			Oct. 15	Hl.	+0.12 +0.9 W.	June 29	Ei.Y.	5.88 54.6 W.	Sept. 15	Ei.Y.	19.07 21.3 E.
Sept. 12	Ei.Y.	+0.10 -0.3 W.	1907			Mean.....		5.900 54.30	1906		
14	Ei.Y.	+0.03 -0.2	June 21	P.	+0.14 +1.0 E.	Mag. corr....		-0.002	Sept. 24	Ei.Y.	19.03 21.8 W.
26	L.	+0.03 0.0	27	P.	+0.07 -0.2	σ Cygni			Mean.....		19.045 21.88
30	L.	-0.02 +0.3	Sept. 23	M.	+0.04 +0.7	$\alpha = 21^h 13^m 29^s.276$			Mag. corr....		+0.012
Oct. 6	Br.	+0.08 -0.7	25	P.	+0.06 +0.5	$\delta = +38^\circ 58' 32''.03$			B. D. -11° 5578		
7	R.	+0.06 -0.3	30	M.	+0.09 +0.8 E.	1903			$\alpha = 21^h 15^m$		
1904			Mean.....		+0.090 +0.71	Oct. 12	L.	+0.01 +0.3 W.	$\delta = -11^\circ 46'$		
July 27	Ei.Y.	+0.05 +0.5 W.	Mag. corr....		-0.001	13	Br.	-0.02 -1.1	1904		
Oct. 13	Ei.Y.	+0.04 +0.3 E.	B. D. -18° 5903			14	R.	+0.04 -0.6	July 6	Ei.Y.	23.91 22.9 W.
14	Ei.M.	+0.02 +0.2 E.	$\alpha = 21^h 12^m$			15	L.	-0.02 -0.7	19	Ei.Y.	23.95 23.5 W.
1905			$\delta = -18^\circ 24'$			19	L.	+0.02 0.0	Oct. 10	Ei.Y.	23.86 23.9 E.
Aug. 18	Hl.	+0.08 +0.9 W.	1903			20	Br.	-0.04 -0.9	1906		
Sept. 14	Bs.	+0.05 +0.6	Sept. 10	Ei.Y.	20.87 14.9 W.	21	R.	-0.01 -0.4	Sept. 7	Ei.Y.	23.85 23.4 W.
19	Bs.	+0.01 +0.1	11	Ei.Y.	20.88 14.9 W.	1904			Mean.....		23.892 23.42
21	Bs.	+0.08 +0.4	1904			July 11	Br.	0.00 -0.5	Mag. corr....		0.000
1906			1904			13	R.	-0.01 +0.5			
Sept. 8	Ei.Y.	+0.06 +0.7 W.	1904			17	M.	0.00 -0.3 W.			

B. D. -20° 6192			Capricorni			1903			B. D. -13° 5923		
$\alpha = 21^h 15^m$ $\delta = -19^\circ 57'$			$\alpha = 21^h 16^m 40^s.803$ $\delta = -17^\circ 15' 37''.66$			$\alpha = 21^h 18^m$ $\delta = -13^\circ 18'$			$\alpha = 21^h 18^m$ $\delta = -13^\circ 18'$		
1903			1903			1904			1904		
Sept. 10	Ei. Y.	44.77 8.0 W.	Oct. 7	R.	+0.05 +0.6 W.	Sept. 23	R.	+0.02 0.0 W.	July 30	Ei. Y.	43.75 25.3 W.
11	Ei. Y.	44.77 7.6 W.	1904			29	R.	+0.06 +0.4	Aug. 15	Ei. Y.	43.75 24.6 W.
1904			June 18	Ei. Y.	+0.09 +0.7	Oct. 6	Br.	+0.02 -0.9	Sept. 16	Ei. Y.	43.75 25.6 E.
Sept. 16	Ei. Y.	44.77 7.1 E.	23	Ei. Y.	+0.06 +1.8	14	R.	+0.02 -0.4	1906		
1906			July 14	Ei. Y.	+0.04 +1.0	July 2	R.	+0.01 +0.2	Sept. 8	Ei. Y.	43.72 25.8 W.
Sept. 25	Ei. Y.	44.82 7.3 W.	16	Ei. Y.	+0.04 +0.9	7	Br.	+0.07 +0.4	Mean.....		43.742 25.32
Mean.....		44.782 7.50	Aug. 3	Ei. Y.	+0.01 +0.8	11	Br.	+0.06 -0.2	Mag. corr.....		-0.005
Mag. corr.....		-0.007	6	Ei. Y.	0.00 +0.4 W.	13	R.	-0.01 +0.4	B. A. C. 7504		
B. D. -15° 5958			Sept. 7	Ei. Y.	+0.01 +0.4 E.	17	M.	-0.01 +0.5	$\alpha = 21^h 19^m 35^s.109$ $\delta = +86^\circ 37' 25''.00$		
$\alpha = 21^h 15^m$ $\delta = -15^\circ 34'$			10	Ei. Y.	-0.01 +0.5	20	M.	+0.03 -0.1	1903		
1904			29	Ei. Y.	+0.06 -0.2	Sept. 7	Bs.	-0.01 +0.1	Oct. 12	L.	+0.12 -0.1 W.
July 30	Ei. Y.	58.51 47.1 W.	Oct. 14	Ei. M.	-0.01 +0.9	Oct. 6	Br.	-0.02 +0.8	13	Br.	-0.05 -0.9
Aug. 15	Ei. Y.	58.54 46.7 W.	16	Br.	+0.05 +1.4	8	Bs.	0.00 +0.5	15	L.	-0.26 -0.1
Oct. 13	Ei. Y.	58.53 46.8 E.	19	M.	+0.03 +1.2	21	Bs.	-0.02 +0.3 W.	19	L.	-0.02 0.0
1906			27	Y.	-0.01 +1.1	1907			22	L.	-0.41 -0.5
Sept. 20	Ei. Y.	58.54 46.8 W.	31	M.	+0.04 +0.9	June 21	P.	-0.09 +0.9 E.	26	L.	+0.19 -1.0
Mean.....		58.530 46.85	Nov. 1	Br.	+0.06 +1.1	27	P.	0.00 +0.2	29	L.	-0.52 -0.4
Mag. corr.....		-0.003	2	M.	+0.07 ...	July 8	M.	-0.02 +0.4	Nov. 3	Br.	-0.48 -0.4
B. D. -15° 5958			3	Y.	+0.05 +0.7	16	Hi.	+0.01 -0.1	7	R.	+0.03 -1.1 W.
α Cephei			7	M.	+0.03 +0.6	Aug. 6	Hi.	+0.07 +0.8	1907		
$\alpha = 21^h 16^m 11^s.740$ $\delta = +62^\circ 9' 42''.77$			14	M.	+0.07 +0.1 E.	23	M.	0.00 +0.8	June 30	P.	-0.70 -0.3 E.
1904			Sept. 29	Bs.	+0.01 +0.2 W.	26	M.	-0.03 +0.8	July 7	Hi.	+0.40 +0.1
Sept. 21	M.	-0.04 0.0 E.	Oct. 7	Bs.	+0.06 +0.8	29	M.	-0.02 +1.0	12	Hi.	+0.20 +0.4
23	M.	+0.04 +0.5	1906			30	M.	-0.01 +0.6 E.	Oct. 1	Hi.	-0.06 +0.2
26	M.	-0.03 +0.4	July 6	Bs.	+0.06 +1.1	1908			2	P.	-0.26 0.0 E.
Oct. 3	M.	-0.01 -0.1	Sept. 5	P.	+0.03 -1.0	June 22	Fk.	-0.02 +0.3 W.	Mean.....		-0.130 -0.29
7	Br.	-0.05 -0.2 E.	6	Ei. Y.	+0.02 +0.2	23	M.	+0.07 +0.1	Mag. corr.....		+0.002
1905			8	Ei. Y.	+0.03 +0.6	26	Fk.	-0.05 +1.3	B. A. C. 7504 s. p.		
Sept. 12	Bs.	-0.04 +0.1 W.	25	Ei. Y.	+0.08 +1.4	July 10	Fk.	-0.03 ...	$\alpha = 21^h 19^m 35^s.132$ $\delta = +86^\circ 37' 25''.03$		
14	Bs.	-0.10 -0.2	Oct. 12	Hi.	+0.08 +0.8	16	P.	+0.02 ...	1905		
19	Bs.	-0.01 +0.6	13	P.	+0.05 +0.3	20	P.	-0.02 ...	Mar. 18	M.	-0.09 -0.7 E.
21	Bs.	-0.03 +0.1	15	Hi.	+0.04 +1.3	Aug. 29	Fk.	+0.03 ...	28	Br.	+0.54 -0.5
25	Bs.	-0.04 -0.1	1908			Oct. 30	P.	+0.05 +0.7	Apr. 13	Y.	+0.22 -0.6 E.
26	Hi.	-0.02 ...	July 1	Fk.	+0.07 +0.9	Nov. 1	P.	+0.04 +1.3	Dec. 7	Br.	+0.13 -0.5 W.
28	Hi.	-0.07 0.0 W.	5	M.	+0.03 +0.8	3	P.	-0.01 +0.7	1906		
Mean.....		-0.033 +0.10	8	M.	+0.07 +0.5	5	M.	-0.01 +0.6	Mar. 21	Bs.	-0.10 -0.3
Mag. corr.....		+0.006	13	P.	+0.02 +1.5	9	M.	+0.01 +0.2	23	Br.	+0.52 -0.4
B. D. -9° 5724			Aug. 29	Fk.	+0.04 ...	16	M.	+0.03 +0.3 W.	Apr. 12	Bs.	-0.12 0.0
$\alpha = 21^h 16^m$ $\delta = -9^\circ 45'$			Nov. 7	L.	+0.06 +0.9	1909			17	Br.	-0.03 -0.2 W.
1904			10	P.	+0.06 -0.1	Sept. 8	L.	+0.04 +0.5 E.	Dec. 8	M.	+0.43 -0.3 E.
July 18	Ei. Y.	36.73 8.0 W.	12	M.	+0.05 +1.2	13	L.	+0.01 +0.5	21	Hi.	+0.13 0.0 E.
27	Ei. Y.	36.80 7.8 W.	17	P.	+0.01 +0.6	14	P.	-0.01 +0.9	Mean.....		+0.163 -0.35
Oct. 1	Ei. Y.	36.75 7.7 E.	18	L.	+0.06 +0.9 W.	25	P.	-0.04 +0.3	Mag. corr.....		+0.006
1906			1909			28	P.	-0.02 +1.0 E.	B. D. -17° 6262		
Sept. 19	Ei. Y.	36.70 7.7 W.	May 12	M.	[+0.02] [+0.3] E.	Mean.....		+0.003 +0.40	$\alpha = 21^h 19^m$ $\delta = -16^\circ 49'$		
Mean.....		36.745 7.80	June 6	M.	... [0.0]	Mag. corr.....		+0.007	1903		
Mag. corr.....		+0.013	Oct. 22	M.	-0.02 +0.5	B. D. -9° 5728			Sept. 10	Ei. Y.	37.98 57.2 W.
B. D. -8° 5634			Nov. 10	L.	+0.08 +0.9	$\alpha = 21^h 17^m$ $\delta = -9^\circ 44'$			11	Ei. Y.	38.02 56.9 W.
$\alpha = 21^h 16^m$ $\delta = -7^\circ 56'$			11	M.	+0.04 +0.1	1904			1904		
1904			12	L.	+0.01 0.0	July 6	Ei. Y.	34.68 43.4 W.	Oct. 13	Ei. Y.	37.94 55.7 E.
Aug. 11	Ei. Y.	36.94 44.9 W.	13	M.	+0.06 +0.2	19	Ei. Y.	34.74 43.8 W.	1906		
12	Ei. Y.	36.90 44.7 W.	19	P.	+0.05 +0.2	Sept. 15	Ei. Y.	34.64 44.4 E.	Sept. 20	Ei. Y.	38.05 55.8 W.
Oct. 5	Ei. Y.	36.96 45.1 E.	26	P.	[+0.06] [+0.4]	1906			Mean.....		37.998 56.40
1906			June 26	M.	0.00 +0.1	Sept. 24	Ei. Y.	34.70 43.8 W.	Mag. corr.....		-0.012
June 29	Ei. Y.	36.92 44.8 W.	July 23	P.	+0.08 +0.4	Mean.....		34.690 43.85	B. D. -10° 5668		
Mean.....		36.930 44.88	24	M.	+0.02 +0.3	Mag. corr.....		+0.021	$\alpha = 21^h 19^m$ $\delta = -10^\circ 10'$		
Mag. corr.....		-0.002	Aug. 19	L.	+0.07 +1.8	B. D. -21° 6007			1903		
B. D. -8° 5634			Sept. 15	M.	-0.01 +0.4	$\alpha = 21^h 18^m$ $\delta = -21^\circ 16'$			Sept. 3	Ei. Y.	29.44 38.0 W.
$\alpha = 21^h 16^m$ $\delta = -7^\circ 56'$			16	P.	+0.07 +0.2	1903			5	Ei. Y.	29.39 37.9 W.
1904			Oct. 11	P.	+0.04 +0.4	1904			1904		
Aug. 11	Ei. Y.	36.94 44.9 W.	12	L.	+0.05 +1.6	Oct. 10	Ei. Y.	29.45 38.0 E.	1906		
12	Ei. Y.	36.90 44.7 W.	14	P.	+0.09 +0.2	Sept. 7	Ei. Y.	29.44 37.8 W.	Mean.....		29.430 37.92
Oct. 5	Ei. Y.	36.96 45.1 E.	Nov. 9	L.	+0.07 +0.4 E.	Mean.....		-0.005	Mag. corr.....		-0.005
1906			Mean.....		+0.042 +0.66	1 Pegasi			B. D. -10° 5668		
June 29	Ei. Y.	36.92 44.8 W.	Mag. corr.....		+0.007	$\alpha = 21^h 17^m 27^s.760$ $\delta = +19^\circ 22' 36''.06$			$\alpha = 21^h 19^m$ $\delta = -10^\circ 10'$		
Mean.....		36.930 44.88	1903			1903			1904		
Mag. corr.....		-0.002	Sept. 12	Ei. Y.	-0.02 -0.4 W.	Sept. 3	Ei. Y.	29.44 38.0 W.	Aug. 11	Ei. Y.	50.74 28.1 W.
B. D. -17° 6262			14	Ei. Y.	-0.02 -0.1 W.	5	Ei. Y.	29.39 37.9 W.	12	Ei. Y.	50.72 27.6 W.
$\alpha = 21^h 19^m$ $\delta = -16^\circ 49'$			Mean.....		+0.042 +0.66	1904			Mean.....		37.998 56.40
1903			Mag. corr.....		+0.007	Oct. 10	Ei. Y.	29.45 38.0 E.	Mag. corr.....		-0.012
Sept. 10	Ei. Y.	37.98 57.2 W.	1 Pegasi			Sept. 7	Ei. Y.	29.44 37.8 W.	B. D. -10° 5668		
11	Ei. Y.	38.02 56.9 W.	$\alpha = 21^h 17^m 27^s.760$ $\delta = +19^\circ 22' 36''.06$	Mean.....		29.430 37.92	$\alpha = 21^h 19^m$ $\delta = -10^\circ 10'$				
1904			1903			Mag. corr.....		-0.005	1904		
Oct. 13	Ei. Y.	37.94 55.7 E.	Sept. 12	Ei. Y.	-0.02 -0.4 W.	Sept. 3	Ei. Y.	29.44 38.0 W.	Aug. 11	Ei. Y.	50.74 28.1 W.
1906			14	Ei. Y.	-0.02 -0.1 W.	5	Ei. Y.	29.39 37.9 W.	12	Ei. Y.	50.72 27.6 W.
Sept. 20	Ei. Y.	38.05 55.8 W.	Mean.....		+0.042 +0.66	1904			Mean.....		37.998 56.40
Mean.....		37.998 56.40	Mag. corr.....		+0.007	Oct. 10	Ei. Y.	29.45 38.0 E.	Mag. corr.....		-0.012
Mag. corr.....		-0.012	1 Pegasi			Sept. 7	Ei. Y.	29.44 37.8 W.	B. D. -10° 5668		
B. D. -10° 5668			$\alpha = 21^h 17^m 27^s.760$ $\delta = +19^\circ 22' 36''.06$			Mean.....		29.430 37.92	$\alpha = 21^h 19^m$ $\delta = -10^\circ 10'$		
$\alpha = 21^h 19^m$ $\delta = -10^\circ 10'$			1903			Mag. corr.....		-0.005	1904		
1904			Sept. 12	Ei. Y.	-0.02 -0.4 W.	Sept. 3	Ei. Y.	29.44 38.0 W.	Aug. 11	Ei. Y.	50.74 28.1 W.
Aug. 11	Ei. Y.	50.74 28.1 W.	14	Ei. Y.	-0.02 -0.1 W.	5	Ei. Y.	29.39 37.9 W.	12	Ei. Y.	50.72 27.6 W.
12	Ei. Y.	50.72 27.6 W.	Mean.....		+0.042 +0.66	1904			Mean.....		37.998 56.40
Mean.....		50.730 27.85	Mag. corr.....		+0.007	Oct. 10	Ei. Y.	29.45 38.0 E.	Mag. corr.....		-0.012
Mag. corr.....		-0.002	1 Pegasi			Sept. 7	Ei. Y.	29.44 37.8 W.	B. D. -10° 5668		

1904			B. D. -11° 5598			B. D. -7° 5565			B. D. -14° 6039		
Oct. 5 Ei.Y.	50.75	28.1 E.	$\alpha = 21^h 21^m$			$\alpha = 21^h 22^m$			$\alpha = 21^h 24^m$		
1906			$\delta = -11^\circ 20'$			$\delta = -7^\circ 26'$			$\delta = -14^\circ 27'$		
Sept. 11 Ei.Y.	50.66	28.8 W.	1903	s	"	1904	s	"	1903	s	"
Mean.....	50.718	28.15	Sept. 5 Ei.Y.	2.63	58.2 W.	Aug. 3 Ei.Y.	5.26	49.4 W.	Sept. 12 Ei.Y.	11.72	45.1 W.
Mag. corr....	-0.008		12 Ei.Y.	2.66	58.3 W.	6 Ei.Y.	5.27	50.6 W.	14 Ei.Y.	11.73	43.9 W.
			1904			Sept. 29 Ei.Y.	5.28	51.2 E.	1904		
B. D. -14° 6020			Sept. 16 Ei.Y.	2.60	57.5 E.	1906			Oct. 5 Ei.Y.	11.74	43.9 E.
$\alpha = 21^h 19^m$			1906			Sept. 19 Ei.Y.	5.22	50.4 W.	1906		
$\delta = -14^\circ 42'$			Sept. 25 Ei.Y.	2.64	57.2 W.	Mean.....	5.258	50.40	Sept. 11 Ei.Y.	11.69	44.4 W.
1904	s	"	Mean.....	2.632	57.80	Mag. corr....	+0.006		Mean.....	11.720	44.32
July 18 Ei.Y.	55.57	29.4 W.	Mag. corr....	-0.002					Mag. corr....	+0.010	
27 Ei.Y.	55.65	28.1 W.				B. D. -12° 5998			B. D. -19° 6107		
Oct. 1 Ei.Y.	55.63	28.5 E.	B. D. -19° 6098			$\alpha = 21^h 22^m$			$\alpha = 21^h 24^m$		
1906			$\delta = -19^\circ 29'$			$\delta = -12^\circ 5'$			$\delta = -19^\circ 35'$		
June 29 Ei.Y.	55.57	28.6 W.	1904	s	"	1904	s	"	1903	s	"
Mean.....	55.605	28.65	Aug. 11 Ei.Y.	26.26	24.9 W.	July 14 Ei.Y.	13.41	57.4 W.	Sept. 10 Ei.Y.	22.91	3.6 W.
Mag. corr....	+0.013		12 Ei.Y.	26.24	23.9 W.	16 Ei.Y.	13.41	56.8 W.	11 Ei.Y.	22.96	3.8 W.
B. D. -18° 5935			Oct. 13 Ei.Y.	26.24	24.0 E.	1906			1904		
$\alpha = 21^h 20^m$			1906			Sept. 24 Ei.Y.	13.37	57.7 W.	Oct. 1 Ei.Y.	22.89	3.3 E.
$\delta = -18^\circ 34'$			Sept. 20 Ei.Y.	26.24	24.3 W.	Mean.....	13.405	57.28	1906		
1904	s	"	Mean.....	26.245	24.28	Mag. corr....	+0.014		June 29 Ei.Y.	22.91	3.3 W.
July 14 Ei.Y.	41.25	50.9 W.	Mag. corr....	+0.002					Mean.....	22.918	3.50
16 Ei.Y.	41.23	50.4 W.				B. D. -12° 6005			Mag. corr....	+0.017	
Sept. 29 Ei.Y.	41.25	52.9 E.	B. D. -21° 6020			$\alpha = 21^h 22^m$			B. D. -9° 5758		
1906			$\delta = -21^\circ 37'$			$\delta = -12^\circ 0'$			$\alpha = 21^h 24^m$		
Sept. 19 Ei.Y.	41.23	51.8 W.	1903	s	"	1904	s	"	$\delta = -9^\circ 2'$		
Mean.....	41.240	51.50	Sept. 10 Ei.Y.	34.74	43.7 W.	July 6 Ei.Y.	49.12	7.0 W.	1904	s	"
Mag. corr....	-0.012		11 Ei.Y.	34.71	44.1 W.	19 Ei.Y.	49.14	7.4 W.	Aug. 11 Ei.Y.	37.96	21.3 W.
B. D. -15° 5983			1904			Oct. 10 Ei.Y.	49.12	7.8 E.	12 Ei.Y.	38.04	20.3 W.
$\alpha = 21^h 20^m$			Oct. 5 Ei.Y.	34.74	43.4 E.	1906			Sept. 29 Ei.Y.	37.98	22.4 E.
$\delta = -15^\circ 40'$			1906			Sept. 7 Ei.Y.	49.06	7.8 W.	1906		
1904	s	"	Sept. 11 Ei.Y.	34.72	43.7 W.	Mean.....	49.110	7.50	Sept. 19 Ei.Y.	38.06	21.5 W.
July 30 Ei.Y.	56.58	39.9 W.	Mean.....	34.728	43.72	Mag. corr....	+0.017		Mean.....	38.010	21.38
Aug. 15 Ei.Y.	56.62	39.8 W.	Mag. corr....	-0.010					Mag. corr....	-0.012	
Sept. 15 Ei.Y.	56.62	39.4 E.				δ Capricorni			B. D. -14° 6047		
1906						$\alpha = 21^h 23^m$			$\alpha = 21^h 25^m$		
Sept. 24 Ei.Y.	56.60	39.7 W.	69 Cygni			$\delta = -22^\circ 14'$			$\delta = -14^\circ 43'$		
Mean.....	56.605	39.70	$\alpha = 21^h 21^m$			1904	s	"	1904	s	"
Mag. corr....	-0.002		$\delta = +36^\circ 14'$			July 30 Ei.Y.	1.47	33.2 W.	July 14 Ei.Y.	11.81	44.2 W.
δ Capricorni			1903	s	"	Aug. 15 Ei.Y.	1.43	32.7 W.	16 Ei.Y.	11.80	43.3 W.
$\alpha = 21^h 20^m 57^s.561$			Oct. 14 R.	41.88	7.0 W.	Sept. 16 Ei.Y.	1.44	33.6 E.	Oct. 14 Ei.M.	11.80	44.7 E.
$\delta = -22^\circ 50' 40''.04$			1904			1905			1906		
1903	s	"	July 2 R.	41.86	7.5	Sept. 8 Hl.	1.42	32.3 W.	Sept. 24 Ei.Y.	11.77	44.0 W.
Oct. 7 R.	+0.07	+0.2 W.	11 Br.	41.89	7.2	1906			Mean.....	11.795	44.05
1904			13 R.	41.85	7.2	Sept. 5 P.	1.43	33.7	Mag. corr....	+0.014	
July 6 Ei.Y.	+0.07	+0.5	17 M.	41.80	7.5 W.	25 Ei.Y.	1.47	32.9			
19 Ei.Y.	+0.03	+0.5 W.				Oct. 12 Hl.	1.54	33.3			
Oct. 10 Ei.Y.	+0.01	-0.3 E.	1907			13 P.	1.43	32.9 W.			
1905			June 19 P.	41.74	7.4 E.	1907			B. D. -17° 6302		
Aug. 18 Hl.	+0.06	+1.4 W.	21 P.	41.74	7.8	Sept. 25 P.	1.51	33.7 E.	$\alpha = 21^h 25^m$		
Sept. 7 Bs.	-0.02	+0.4	25 P.	41.87	7.0	26 M.	1.50	33.2	$\delta = -17^\circ 41'$		
12 Bs.	+0.01	+0.8	27 P.	41.79	7.2	29 M.	1.47	32.8	1904	s	"
14 Bs.	+0.11	+0.5	July 4 Hl.	41.87	7.7 E.	30 M.	1.50	33.2	July 6 Ei.Y.	41.81	55.1 W.
21 Bs.	+0.13	-0.4	Mean.....	41.829	7.35	Oct. 13 Hl.	1.49	33.3 E.	19 Ei.Y.	41.83	55.2 W.
1906			Mag. corr....	-0.002		Mean.....	1.469	33.14	Oct. 10 Ei.Y.	41.77	55.5 E.
Sept. 7 Ei.Y.	+0.02	+0.2 W.				Mag. corr....	+0.003		1906		
1907			B. D. -20° 6211						Sept. 7 Ei.Y.	41.79	55.5 W.
July 8 M.	+0.04	+1.3 E.	$\alpha = 21^h 21^m$			B. D. -13° 5941			Mean.....	41.800	55.32
23 P.	-0.01	+0.8	$\delta = -20^\circ 38'$			$\alpha = 21^h 23^m$			Mag. corr....	-0.005	
Oct. 14 M.	+0.10	+0.5	1904	s	"	$\delta = -13^\circ 12'$			δ Cygni		
15 Hl.	+0.06	+0.6	July 18 Ei.Y.	50.80	39.6 W.	1903	s	"	$\alpha = 21^h 25^m$		
16 P.	+0.04	+0.1	29 Ei.Y.	50.82	39.2 W.	Sept. 3 Ei.Y.	56.78	29.6 W.	$\delta = +46^\circ 5'$		
1909			Oct. 1 Ei.Y.	50.82	38.8 E.	5 Ei.Y.	56.72	29.4 W.	1907	s	"
May 11 L.	[+0.03] [+1.0]		1906			1904			June 27 P.	45.45	59.2 E.
Sept. 25 P.	+0.07	+0.9	June 29 Ei.Y.	50.80	39.7 W.	Oct. 13 Ei.Y.	56.74	28.8 E.	30 P.	45.58	59.1
1910			Mean.....	50.810	39.32	1906			Oct. 14 M.	45.57	59.4
Aug. 19 L.	+0.09	+1.0 E.	Mag. corr....	+0.006		Sept. 20 Ei.Y.	56.75	28.9 W.	15 Hl.	45.51	59.5
Mean.....	+0.052	+0.53				Mean.....	56.748	29.18	16 P.	45.60	60.0 E.
Mag. corr....	-0.007					Mag. corr....	-0.012				

1906			1904			1904			1904		
Sept. 25	Ei.Y.	48.18	19.9	W.		Sept. 21	M.	0.00	+0.4	E.	
Mean.....		48.170	20.10			23 M.	-0.05	+0.5			
Mag. corr....		+0.005				Oct. 16	Br.	-0.01	+0.7		
B. D. -14° 6080			1905			19 M.	-0.02	+0.1			
$\alpha = 21^h 31^m$			1906			25 Br.	0.00	+0.5	E.		
$\delta = -13^\circ 54'$			1907			1905			1905		
1904			1908			Sept. 18	Hl.	-0.08	+0.9	W.	
Aug. 11	Ei.Y.	16.86	21.5	W.		Oct. 7	Bs.	-0.04	+1.1		
12	Ei.Y.	16.86	21.6	W.		21	Bs.	+0.02	+0.7		
Oct. 13	Ei.Y.	16.82	21.1	E.		1906			1906		
1906			1909			July 6	Bs.	+0.04	+1.0		
Sept. 20	Ei.Y.	16.81	21.7	W.		Oct. 13	P.	-0.02	+1.1	W.	
Mean.....		16.838	21.48			Mean.....			Mean.....		
Mag. corr....		0.000				Mag. corr....			Mag. corr....		
B. D. -20° 6251			1904			B. D. -22° 5735			1904		
$\alpha = 21^h 31^m$			1905			$\alpha = 21^h 33^m$			1905		
$\delta = -19^\circ 54'$			1906			$\delta = -22^\circ 9'$			1906		
1904			1907			1904			1907		
July 14	Ei.Y.	29.02	49.9	W.		July 30	Ei.Y.	29.55	52.6	W.	
16	Ei.Y.	29.00	50.2	W.		Aug. 15	Ei.Y.	29.61	52.1	W.	
Oct. 5	Ei.Y.	29.01	50.8	E.		Oct. 17	Ei.Y.	29.56	52.9	E.	
1906			1908			1906			1908		
Sept. 8	Ei.Y.	29.04	50.9	W.		Sept. 25	Ei.Y.	29.64	52.1	W.	
Mean.....		29.018	50.45			Mean.....			Mean.....		
Mag. corr....		+0.005				Mag. corr....			Mag. corr....		
B. D. -10° 5714			1904			B. D. -11° 5640			1904		
$\alpha = 21^h 31^m$			1905			$\alpha = 21^h 34^m$			1905		
$\delta = -10^\circ 37'$			1906			$\delta = -11^\circ 1'$			1906		
1903			1907			1904			1907		
Sept. 3	Ei.Y.	32.90	20.5	W.		Aug. 11	Ei.Y.	5.79	37.6	W.	
5	Ei.Y.	32.96	21.2	W.		12	Ei.Y.	5.74	37.0	W.	
1904			1908			Oct. 13	Ei.Y.	5.74	37.3	E.	
Oct. 1	Ei.Y.	32.96	20.0	E.		1906			1908		
1906			1909			Sept. 20	Ei.Y.	5.68	37.8	W.	
June 29	Ei.Y.	32.95	19.7	W.		Mean.....			Mean.....		
Mean.....		32.942	20.35			Mag. corr....			Mag. corr....		
Mag. corr....		+0.008				B. D. -13° 5985			1904		
B. D. -12° 6044			1904			$\alpha = 21^h 34^m$			1905		
$\alpha = 21^h 31^m$			1905			$\delta = -13^\circ 4'$			1906		
$\delta = -11^\circ 54'$			1906			1904			1907		
1903			1907			July 14	Ei.Y.	13.24	29.5	W.	
Sept. 12	Ei.Y.	56.27	32.9	W.		16	Ei.Y.	13.29	28.9	W.	
14	Ei.Y.	56.31	32.6	W.		Oct. 5	Ei.Y.	13.26	29.8	E.	
1904			1908			1906			1908		
Sept. 29	Ei.Y.	56.34	33.1	E.		Sept. 8	Ei.Y.	13.25	29.8	W.	
1906			1909			Mean.....			Mean.....		
Sept. 19	Ei.Y.	56.29	32.1	W.		Mag. corr....			Mag. corr....		
Mean.....		56.302	32.68			B. D. -15° 6027			1904		
Mag. corr....		+0.005				$\alpha = 21^h 32^m$			1905		
ξ Aquarii			1904			$\delta = -15^\circ 21'$			1906		
$\alpha = 21^h 32^m 25^s.807$			1905			1904			1907		
$\delta = -8^\circ 18' 10''.00$			1906			July 6	Ei.Y.	45.12	37.0	W.	
1903			1907			19	Ei.Y.	45.13	37.4	W.	
Sept. 6	R.	0.00	+1.3	W.		Oct. 14	Ei.M.	45.12	37.0	E.	
10	Ei.Y.	+0.02	-0.1			1906			1908		
11	Ei.Y.	+0.01	-0.3			Sept. 7	Ei.Y.	45.10	37.6	W.	
15	Ei.Y.	+0.07	0.0			Mean.....			Mean.....		
18	Ei.Y.	+0.10	0.0			Mag. corr....			Mag. corr....		
22	Ei.Y.	+0.07	-0.4			74 Cygni			1904		
23	R.	+0.06	+0.6			$\alpha = 21^h 32^m 56^s.444$			1905		
29	L.	+0.06	-0.1			$\delta = +39^\circ 57' 51''.10$			1906		
1904			1907			1903			1907		
July 17	M.	+0.06	+0.6			s			1904		
18	Ei.Y.	+0.02	+0.2			1904			1905		
29	Ei.Y.	+0.06	...	W.		Oct. 28	L.	0.00	-0.6	W.	

13 H. Cephei			κ Capricorni			1906			1903		
$\alpha = 21^h 35^m$ $\delta = +57^\circ 2'$			$\alpha = 21^h 37^m$ $\delta = -19^\circ 19'$			s "			s "		
1903			1903			Sept. 19 Ei.Y.	0.76	37.8 W.	Oct. 22 L.	+0.07	+0.5 W.
Oct. 28 R.	51.43	11.5 W.	Sept. 15 Ei.Y.	4.60	18.9 W.	Mean.....	0.790	37.95	26 L.	+0.01	+0.2
1906			18 Ei.Y.	4.58	19.1	Mag. corr....	-0.002		27 Br.	+0.12	+0.7
Sept. 5 P.	51.36	11.0 W.	22 Ei.Y.	4.57	20.0	B. D. $-8^\circ 57'19$			Nov. 3 Br.	+0.05	+0.7
1907			1904			$\alpha = 21^h 38^m$ $\delta = -7^\circ 51'$			7 R.	+0.06	+0.1
June 30 P.	51.40	11.5 E.	July 11 Br.	4.62	18.5	1903			1904		
July 21 M.	51.38	12.3	12 M.	4.54	18.4	Sept. 3 Ei.Y.	7.33	56.0 W.	July 2 R.	+0.02	+0.3
Sept. 30 M.	51.45	12.5	17 M.	4.63	18.7	5 Ei.Y.	7.38	57.1 W.	13 R.	+0.05	+0.5
Oct. 1 Hl.	51.46	12.0	20 M.	4.60	19.1	1904			1905		
2 P.	51.50	12.2 E.	26 T.	4.63	19.2	Oct. 10 Ei.Y.	7.31	55.4 E.	Sept. 9 Bs.	+0.04	+0.8
1908			31 M.	4.61	18.9 W.	1906			12 Bs.	+0.04	+1.4
July 6 P.	51.38	11.9 W.	Oct. 15 Ei.M.	4.62	18.6 E.	Sept. 24 Ei.Y.	7.32	55.4 W.	5 Hl.	+0.05	...
8 M.	51.41	12.0	1905			Mean.....	7.335	55.98	6 Br.	+0.04	+1.3
13 P.	51.51	12.3 W.	Oct. 7 Bs.	4.65	19.2 W.	Mag. corr....	-0.002		8 Bs.	+0.02	+1.0
Mean.....	51.428	11.92	1906			B. D. $-15^\circ 60'52$			12 Bs.	-0.01	+0.5
Mag. corr....	-0.002		Sept. 25 Ei.Y.	4.63	18.6 W.	$\alpha = 21^h 38^m$ $\delta = -15^\circ 12'$			21 Bs.	+0.09	+1.9
B. D. $-14^\circ 61'02$			1907			1903			1906		
$\alpha = 21^h 36^m$ $\delta = -14^\circ 29'$			June 27 P.	4.62	18.7 E.	Sept. 12 Ei.Y.	33.41	27.6 W.	July 1 Hl.	+0.06	...
1903			July 4 Hl.	4.65	19.2	14 Ei.Y.	33.44	27.1 W.	Oct. 6 Ei.P.	+0.08	+0.9
Sept. 12 Ei.Y.	6.69	37.6 W.	5 M.	4.65	19.5	1904			23 Hl.	+0.02	... W.
14 Ei.Y.	6.69	38.1 W.	16 Hl.	4.73	19.0	Oct. 14 Ei.M.	33.43	26.7 E.	1907		
1904			Sept. 29 M.	4.64	19.0 E.	Sept. 7 Ei.Y.	33.40	27.0 W.	July 8 M.	+0.05	+0.2 E.
Oct. 10 Ei.Y.	6.72	38.2 E.	Mean.....	4.622	18.98	Mean.....	33.420	27.10	Sept. 21 P.	+0.06	+0.9
1906			Mag. corr....	+0.003		Mag. corr....	-0.009		25 P.	+0.05	+0.3 E.
Sept. 24 Ei.Y.	6.67	38.2 W.	B. D. $-21^\circ 60'76$ (pr.)			B. D. $-16^\circ 59'33$			1908		
Mean.....	6.692	38.02	$\alpha = 21^h 37^m$ $\delta = -20^\circ 52'$			$\alpha = 21^h 38^m$ $\delta = -16^\circ 25'$			Aug. 28 P.	+0.07	... W.
Mag. corr....	-0.002		1904			1903			Nov. 6 P.	+0.04	-0.4
41 Capricorni			July 30 Ei.Y.	23.28	4.6 W.	Sept. 10 Ei.Y.	49.32	43.5 W.	9 M.	+0.04	+0.8
$\alpha = 21^h 36^m$ $\delta = -23^\circ 42'$			Aug. 15 Ei.Y.	23.23	4.0 W.	11 Ei.Y.	49.31	43.6 W.	10 P.	+0.04	+0.8
1904			Oct. 13 Ei.Y.	23.20	4.0 E.	1904			12 M.	+0.02	+1.6
Oct. 19 M.	19.27	54.3 E.	Sept. 20 Ei.Y.	23.24	4.6 W.	Oct. 17 Ei.Y.	49.27	43.7 E.	13 P.	+0.04	+1.6
27 Y.	19.28	55.0	Mean.....	23.238	4.30	1906			17 P.	+0.08	+1.0
29 Y.	19.31	55.0	Mag. corr....	-0.007		Sept. 25 Ei.Y.	49.38	42.5 W.	18 L.	+0.02	+0.3
31 M.	19.27	54.8	B. D. $-15^\circ 60'46$			Mean.....	49.320	43.32	20 P.	+0.10	+0.7 W.
Nov. 1 Br.	19.23	54.2 E.	$\alpha = 21^h 37^m$ $\delta = -14^\circ 51'$			Piscis Australis			1909		
1905			1904			$\alpha = 21^h 38^m$ $\delta = -33^\circ 28'$			May 11 L.	[+0.10] [+0.8] E.	
Sept. 12 Bs.	19.23	55.1 W.	Aug. 11 Ei.Y.	37.15	24.7 W.	1903			Sept. 8 L.	+0.09	+1.2
1906			12 Ei.Y.	37.17	23.7 W.	Oct. 4 L.	59.53	54.8 W.	13 L.	+0.01	+0.9
July 6 Bs.	19.33	54.9	Oct. 5 Ei.Y.	37.14	24.5 E.	6 Br.	59.57	56.1	14 P.	+0.02	+1.0
Oct. 13 P.	19.26	55.0	1906			13 Br.	59.63	56.5	25 P.	+0.06	+0.8
15 Hl.	19.32	54.8	Sept. 8 Ei.Y.	37.16	24.8 W.	14 R.	59.59	55.7	28 P.	+0.07	+1.4
1908			Mean.....	37.155	24.42	15 L.	59.53	55.3	Oct. 22 M.	+0.10	+0.4
June 26 Fk.	19.22	....	Mag. corr....	-0.010		19 L.	59.60	55.3	26 P.	+0.05	+1.3
July 10 Fk.	19.29	54.5	B. D. $-20^\circ 62'70$			21 R.	59.57	54.3 W.	29 P.	+0.05	+1.2
Sept. 6 P.	19.29	56.3 W.	$\alpha = 21^h 37^m$ $\delta = -20^\circ 4'$			1904			Nov. 5 L.	+0.02	+0.2
Mean.....	19.275	54.90	1904			Nov. 3 Y.	59.56	55.1 E.	10 L.	+0.02	+0.4
Mag. corr....	-0.002		July 14 Ei.Y.	38.01	37.5 W.	7 M.	59.57	55.0	27 L.	0.00	+1.1
B. D. $-12^\circ 60'65$			16 Ei.Y.	38.05	38.1 W.	14 M.	59.62	55.1	1910		
$\alpha = 21^h 36^m$ $\delta = -12^\circ 42'$			Oct. 1 Ei.Y.	38.07	38.0 E.	23 M.	59.54	55.6	June 26 M.	+0.01	+0.6
1903			1906			1907			Nov. 19 L.	+0.07	... E.
Sept. 10 Ei.Y.	36.09	18.8 W.	June 29 Ei.Y.	38.00	38.6 W.	July 23 P.	59.63	57.7 E.	Mean.....	+0.047	+0.77
11 Ei.Y.	36.02	18.7 W.	Mean.....	38.032	38.05	Mean.....	59.578	55.54	Mag. corr....	+0.003	
1904			Mag. corr....	+0.021		ϵ Pegasi			B. D. $-10^\circ 57'55$		
Oct. 14 Ei.M.	36.01	18.1 E.	B. D. $-18^\circ 59'98$			$\alpha = 21^h 39^m 16^\circ 480$ $\delta = +9^\circ 24' 59'' 10$			$\alpha = 21^h 39^m$ $\delta = -10^\circ 40'$		
1906			1904			1903			1903		
Sept. 7 Ei.Y.	36.00	17.7 W.	July 6 Ei.Y.	0.80	37.5 W.	Oct. 4 L.	59.53	54.8 W.	Sept. 15 Ei.Y.	31.16	19.7 W.
Mean.....	36.030	18.32	19 Ei.Y.	0.79	37.7 W.	6 Br.	59.57	56.1	18 Ei.Y.	31.08	20.3
Mag. corr....	0.000		Sept. 29 Ei.Y.	0.81	38.8 E.	13 Br.	59.63	56.5	22 Ei.Y.	31.10	20.6 W.
						14 R.	59.59	55.7	1904		
						15 L.	59.53	55.3	Oct. 13 Ei.Y.	31.11	19.7 E.
						19 L.	59.60	55.3	1906		
						21 R.	59.57	54.3 W.	Sept. 20 Ei.Y.	31.12	20.2 W.
						1904			Mean.....	31.114	20.10
						Nov. 3 Y.	59.56	55.1 E.	Mag. corr....	-0.012	
						7 M.	59.57	55.0	B. D. $-9^\circ 58'27$		
						14 M.	59.62	55.1	$\alpha = 21^h 39^m$ $\delta = -9^\circ 29'$		
						23 M.	59.54	55.6	1904		
						1907			July 30 Ei.Y.	35.35	45.7 W.
						July 23 P.	59.63	57.7 E.	Aug. 15 Ei.Y.	35.32	44.9 W.
						Mean.....	59.578	55.54	Oct. 5 Ei.Y.	35.36	45.7 E.
						Mag. corr....	+0.005				
						ϵ Pegasi					
						$\alpha = 21^h 39^m 16^\circ 480$ $\delta = +9^\circ 24' 59'' 10$					
						1903					
						Sept. 23 R.	+0.05	+0.7 W.			
						Oct. 12 L.	+0.01	+0.3 W.			

1906			B. D. -9° 5833			1906			1904		
Sept. 8	Ei.Y.	35.37 45.0 W.	$\alpha = 21^h 40^m$			July 1	HI.	+0.06	Oct. 5	Ei.Y.	22.48 48.8 E.
Mean.....		35.350 45.32	$\delta = -9^\circ 44'$			Sept. 25	Ei.Y.	+0.07 +1.1	1906		
Mag. corr....		+0.010				Oct. 6	Ei.P.	+0.10 +1.7	Sept. 8	Ei.Y.	22.48 48.1 W.
B. D. -9° 5829			1904			13 P.		+0.05 +0.9	Mean.....		22.466 48.58
$\alpha = 21^h 39^m$			July 14	Ei.Y.	56.26 14.1 W.	23 HI.		+0.05	Mag. corr....		+0.021
$\delta = -9^\circ 32'$			16	Ei.Y.	56.24 13.2 W.	1907			v Cephei		
1904			Sept. 29	Ei.Y.	56.21 14.7 E.	July 7	HI.	+0.03 +0.5 E.	$\alpha = 21^h 42^m$		
Aug. 11	Ei.Y.	40.45 29.8 W.	1906			June 26	Fk.	+0.14 +1.6 W.	$\delta = +60^\circ 39'$		
12	Ei.Y.	40.44 29.1 W.	Mean.....		56.235 13.92	July 10	Fk.	-0.03	1905		
Oct. 1	Ei.Y.	40.45 29.3 E.	Mag. corr....		+0.021	13 P.		+0.08 0.0	Sept. 4	HI.	33.72 33.4 W.
1906			λ Capricorni			15 M.		+0.04	8	HI.	33.75 33.2
June 29	Ei.Y.	40.40 29.8 W.	$\alpha = 21^h 41^m$			16 P.		+0.03	Oct. 7	Bs.	33.74 33.7
Mean.....		40.435 29.50	$\delta = -11^\circ 49'$			20 P.		+0.04	8	Bs.	33.76 34.1
Mag. corr....		-0.002	1904			Aug. 23	P.	+0.05	1906		
κ Pegasi			July 6	Ei.Y.	9.25 37.1 W.	Nov. 12	M.	+0.05 +1.4	July 6	Bs.	33.94 33.1 W.
$\alpha = 21^h 40^m$			18	Ei.Y.	9.22 37.3 W.	13 P.		+0.04 +1.6	1907		
$\delta = +25^\circ 11'$			Oct. 10	Ei.Y.	9.26 38.1 E.	17 P.		+0.04 +1.1	July 5	M.	33.77 33.3 E.
1904			1905			18 L.		+0.09 +0.6	8	M.	33.77 33.8
Oct. 19	M.	7.00 7.7 E.	Sept. 18	HI.	9.20 37.1 W.	20 P.		+0.09 +0.6 W.	Aug. 6	HI.	33.86 34.0
25	Br.	7.01 7.6	22	HI.	9.27 37.1	1909			Sept. 21	P.	33.87 34.2
27	Y.	7.04 7.9	25	Bs.	9.17 37.3	May 11	L.	[+0.10] [+0.6] E.	25	P.	33.78 33.7 E.
29	Y.	7.01 8.7	26	HI.	9.24 37.2	12	M.	[+0.06] [+0.1]	Mean.....		33.796 33.65
31	M.	7.00 7.8 E.	29	Bs.	9.23 36.9	Aug. 2	L.	+0.11 +1.4	Mag. corr....		+0.004
1906			1906			Sept. 8	L.	+0.09 +0.6	π ² Cygni		
Sept. 5	P.	6.96 6.8 W.	Sept. 24	Ei.Y.	9.24 37.2 W.	13	L.	+0.06 +0.5	$\alpha = 21^h 43^m 5^s.907$		
Oct. 12	HI.	7.00 7.7	1907			14	P.	+0.09 +0.2	$\delta = +48^\circ 50' 48''.42$		
15	HI.	7.09 8.0	June 27	P.	9.20 37.4 E.	25	P.	+0.10 +0.7	1903		
1908			30	P.	9.20 38.0	26	P.	+0.10 +0.9	Oct. 22	L.	+0.05 +0.4 W.
July 6	P.	6.97 8.3	July 21	M.	9.22 37.0	28	P.	+0.14 -0.1	26	L.	+0.01 -0.6
8	M.	7.05 7.4 W.	Sept. 29	M.	9.23 36.9	Oct. 22	M.	+0.03 +0.3	29	L.	-0.09 -0.6
Mean.....		7.013 7.79	30	M.	9.27 37.1 E.	Nov. 10	L.	+0.11 +0.3	Nov. 9	L.	+0.07 +0.2 W.
Mag. corr....		+0.005	Mean.....		9.229 37.26	11	M.	+0.07 +0.2	1904		
11 Cephei			Mag. corr....		-0.002	12	L.	+0.05 -0.2	Nov. 3	Y.	+0.06 +0.6 E.
$\alpha = 21^h 40^m 27^s.596$			B. D. -12° 6088			13	M.	+0.08 +0.1	7	M.	-0.04 0.0
$\delta = +70^\circ 51' 3''.76$			$\alpha = 21^h 41^m$			19	P.	+0.07 +0.1	14	M.	-0.06 -0.2
1904			$\delta = -12^\circ 9'$			20	L.	+0.09 -0.7	23	M.	+0.02 +0.1 E.
Sept. 21	M.	+0.01 +0.1 E.	1903			26	P.	+0.04 -0.2	1905		
23	M.	+0.10 +0.5	Sept. 3	Ei.Y.	18.73 21.6 W.	Dec. 1	L.	+0.06 +1.2	Oct. 6	Br.	-0.10 +1.0 W.
26	M.	-0.04 +0.8	5	Ei.Y.	18.69 22.5 W.	1910			1907		
Oct. 7	Br.	+0.05 0.0	1904			June 25	L.	+0.04 +0.9	July 16	HI.	-0.04 +0.7 E.
16	Br.	+0.08 +0.3 E.	Oct. 14	Ei.M.	18.75 21.1 E.	July 23	P.	+0.04 -0.1	Mean.....		-0.012 +0.16
1905			1906			24	M.	+0.06 0.0	Mag. corr....		+0.005
Sept. 19	Bs.	+0.12 +0.7 W.	Sept. 7	Ei.Y.	18.72 22.0 W.	Aug. 20	P.	+0.09 +0.1	B. D. -14° 6128		
21	Bs.	+0.13 +0.8	Mean.....		18.722 21.80	Sept. 16	P.	+0.11 +0.8	$\alpha = 21^h 43^m$		
27	Bs.	-0.06 +0.1	Mag. corr....		+0.012	Oct. 14	P.	+0.10 +0.1	$\delta = -14^\circ 37'$		
28	HI.	-0.01 +0.4	δ Capricorni			Nov. 8	P.	+0.10 +0.7	1904		
Oct. 4	Bs.	-0.12 +0.9 W.	$\alpha = 21^h 41^m 31^s.483$			9	L.	+0.09 +0.2	Aug. 3	Ei.Y.	6.74 45.8 W.
Mean.....		+0.026 +0.46	$\delta = -16^\circ 34' 54''.40$			11	P.	+0.03 +0.9	15	Ei.Y.	6.76 44.8 W.
Mag. corr....		+0.004	1903			19 L.		+0.10	Oct. 1	Ei.Y.	6.79 44.7 E.
11 Cephei s. p.			Sept. 12	Ei.Y.	+0.04 -0.1 W.	26	L.	+0.12 +1.7	1906		
$\alpha = 21^h 40^m 27^s.621$			14	Ei.Y.	0.00 +0.1	Dec. 2	P.	+0.08 +0.3 E.	June 29	Ei.Y.	6.78 45.3 W.
$\delta = +70^\circ 51' 3''.86$			Oct. 20	Br.	+0.08 -0.6	Mean.....		+0.068 +0.62	Mean.....		6.768 45.15
1903			28	R.	+0.05 +0.8	Mag. corr....		0.000	Mag. corr....		-0.016
Nov. 8	L.	[+0.11] [-0.6] W.	Nov. 4	R.	+0.09 -0.3	B. D. -18° 6013			B. D. -15° 6075		
9	Br.	[+0.04] [0.0]	6	Br.	+0.06	$\alpha = 21^h 42^m$			$\alpha = 21^h 43^m$		
12	Br.	+0.04 -0.3	1904			$\delta = -18^\circ 40'$			$\delta = -15^\circ 35'$		
22	L.	-0.09 +0.4	July 11	Br.	+0.09 +0.8	1903			1904		
Dec. 7	Br.	+0.27 +0.2 W.	17	M.	+0.05 +0.9	Sept. 10	Ei.Y.	12.52 34.2 W.	Aug. 11	Ei.Y.	45.09 7.3 W.
1907			19	Ei.Y.	+0.07 +1.1	11	Ei.Y.	12.48 34.7 W.	12	Ei.Y.	45.04 7.0 W.
Apr. 18	M.	-0.13 +0.1 E.	20	M.	+0.01 +1.1	Oct. 13	Ei.Y.	12.48 33.0 E.	Sept. 29	Ei.Y.	45.10 8.8 E.
21	HI.	+0.21 +1.0	26	T.	+0.08 +0.3	1906			1906		
1908			30	Ei.Y.	+0.09 +0.8	Sept. 20	Ei.Y.	12.53 33.8 W.	Sept. 19	Ei.Y.	45.09 7.7 W.
Mar. 9	M.	+0.06 +0.2	July 31	M.	+0.03 +1.7	Mean.....		12.502 33.92	Mean.....		45.080 7.70
12	HI.	+0.25 -0.4	Aug. 11	Ei.Y.	+0.03 +1.2	Mag. corr....		+0.005	Mag. corr....		+0.003
13	M.	-0.08 -0.2 E.	12	Ei.Y.	+0.07 +1.5	B. D. -6° 5827					
Mean.....		+0.066 +0.12	15	Ei.Y.	+0.07 +1.8 W.	$\alpha = 21^h 42^m$					
Mag. corr....		+0.002	Oct. 17	Ei.Y.	+0.03 +0.6	$\delta = -6^\circ 22'$					
			18	Ei.Y.	+0.08 +0.2 E.	1903					
						Sept. 15	Ei.Y.	22.52 48.4 W.			
						18	Ei.Y.	22.42 48.3			
						22	Ei.Y.	22.43 49.3 W.			

B. D. -13° 6027				1903				B. D. -11° 5690				1910			
$\alpha = 21^h 44^m$				$\alpha = 21^h 47^m$				$\alpha = 21^h 47^m$				$\alpha = 21^h 47^m$			
$\delta = -13^\circ 11'$				$\delta = -11^\circ 1'$				$\delta = -14^\circ 39'$				$\delta = -14^\circ 39'$			
1904				1904				1904				1904			
July 14	Ei. Y.	16.87	19.8 W.	Oct. 12 L.	25.18	30.1 W.	July 6 Ei. Y.	39.74	53.6 W.	Nov. 26 L.	+0.13	+2.6 E.			
16	Ei. Y.	16.87	19.3 W.	13 Br.	25.28	29.5	18 Ei. Y.	39.73	53.7 W.	Dec. 2 P.	+0.05	+0.5			
Oct. 10	Ei. Y.	16.88	20.4 E.	15 L.	25.27	30.2	15 Ei. M.	39.72	53.1 E.	7 L.	[+0.08]	[+1.0] E.			
1906				1906				1906				1906			
Sept. 24	Ei. Y.	16.84	20.2 W.	19 L.	25.24	30.4	Sept. 25	Ei. Y.	39.78	53.1 W.	Mean.....	+0.073	+0.91		
Mean.....		16.865	19.92	21 R.	25.25	30.3	Mean.....	39.742	53.38	Mag. corr....	0.000				
Mag. corr....		+0.022		1904				1904				B. D. -14° 6150			
B. D. -17° 6389				1905				1904				$\alpha = 21^h 47^m$			
$\alpha = 21^h 44^m$				Aug. 18 Hl.				1906				$\delta = -14^\circ 39'$			
$\delta = -17^\circ 18'$				25.21 31.3 W.				1906							
1904				Mean.....				1906				1903			
July 6	Ei. Y.	43.12	39.5 W.	25.254 30.65				1906				Sept. 12 Ei. Y.			
18	Ei. Y.	43.00	40.0 W.	Mag. corr....				1906				14 Ei. Y.			
Oct. 14	Ei. M.	43.06	39.7 E.	0.000				1906				55.89 36.8 W.			
1906				B. D. -8° 5753				1906				14 Ei. Y.			
Sept. 7	Ei. Y.	43.02	39.7 W.	$\alpha = 21^h 45^m$				1906				55.92 36.4 W.			
Mean.....		43.050	39.72	$\delta = -8^\circ 22'$				1906				1904			
Mag. corr....		+0.017		1903				1906				Oct. 5 Ei. Y.			
B. D. -12° 6104				1904				1906				55.94 36.4 E.			
$\alpha = 21^h 44^m$				Sept. 15 Ei. Y.				1906				1906			
$\delta = -11^\circ 48'$				45.19 31.2 W.				1906				Sept. 8 Ei. Y.			
1903				18 Ei. Y.				1906				55.99 36.1 W.			
Sept. 3	Ei. Y.	49.21	33.4 W.	22 Ei. Y.				1906				Mean.....			
5	Ei. Y.	49.21	33.3 W.	45.09 31.8				1906				55.935 36.42			
1904				45.14 31.5 W.				1906				Mag. corr....			
Oct. 15	Ei. M.	49.20	32.9 E.	1904				1906				0.000			
1906				Oct. 1 Ei. Y.				1906				B. D. -10° 5785			
Sept. 25	Ei. Y.	49.24	32.5 W.	45.18 31.0 E.				1906				$\alpha = 21^h 48^m$			
Mean.....		49.215	33.02	June 29 Ei. Y.				1906				$\delta = -10^\circ 46'$			
Mag. corr....		-0.002		45.14 31.0 W.				1906							
B. D. -21° 6102				Mean.....				1906				1903			
$\alpha = 21^h 45^m$				45.148 31.30				1906				Sept. 10 Ei. Y.			
$\delta = -21^\circ 0'$				Mag. corr....				1906				11 Ei. Y.			
1903				+0.002				1906				15.28 57.5 W.			
Sept. 12	Ei. Y.	15.68	29.0 W.	B. D. -19° 6176				1906				15.28 57.7 W.			
14	Ei. Y.	15.71	28.4 W.	$\alpha = 21^h 46^m$				1906				1904			
1904				$\delta = -19^\circ 5'$				1906				Oct. 1 Ei. Y.			
Oct. 13	Ei. Y.	15.74	27.3 E.	1904				1906				1906			
1906				Aug. 3 Ei. Y.				1906				June 29 Ei. Y.			
Sept. 20	Ei. Y.	15.70	27.9 W.	15 Ei. Y.				1906				15.28 56.4 W.			
Mean.....		15.708	28.15	Oct. 18 Ei. Y.				1906				Mean.....			
Mag. corr....		0.000		8.73 21.1 E.				1906				15.290 56.98			
B. D. -9° 5854				Sept. 19 Ei. Y.				1906				Mag. corr....			
$\alpha = 21^h 45^m$				8.74 20.5 W.				1906				+0.017			
$\delta = -9^\circ 26'$				Mean.....				1906							
1903				8.738 20.58				1906							
Sept. 10	Ei. Y.	15.87	54.7 W.	Mag. corr....				1906							
11	Ei. Y.	15.87	54.5 W.	+0.022				1906							
1904				B. D. -16° 5961				1906							
Oct. 5	Ei. Y.	15.94	53.7 E.	$\alpha = 21^h 47^m$				1906							
1906				$\delta = -16^\circ 43'$				1906							
Sept. 8	Ei. Y.	15.97	52.9 W.	1904				1906							
Mean.....		15.912	53.95	Aug. 11 Ei. Y.				1906							
Mag. corr....		+0.014		5.55 40.0 W.				1906							
14 Pegasi				12 Ei. Y.				1906							
$\alpha = 21^h 45^m$				5.53 39.0 W.				1906							
$\delta = +29^\circ 42'$				Oct. 10 Ei. Y.				1906							
1903				5.52 40.5 E.				1906							
Oct. 4	L.	25.25	30.8 W.	1906				1906							
6	Br.	25.25	30.0	Sept. 24 Ei. Y.				1906							
7	R.	25.28	29.9 W.	5.52 39.6 W.				1906							
Mean.....				5.530 39.78				1906							
Mag. corr....				-0.012				1906							
B. D. -17° 6397				1904				1906							
$\alpha = 21^h 47^m$				July 14 Ei. Y.				1906							
$\delta = -17^\circ 32'$				11.80 8.9 W.				1906							
1904				16 Ei. Y.				1906							
Oct. 4	L.	25.25	30.8 W.	11.81 8.2 W.				1906							
6	Br.	25.25	30.0	Oct. 14 Ei. M.				1906							
7	R.	25.28	29.9 W.	11.78 8.5 E.				1906							
Mean.....				11.75 8.1 W.				1906							
Mag. corr....				0.000				1906							
B. D. -11° 5690				1904				1906							
$\alpha = 21^h 47^m$				July 14 Ei. Y.				1906							
$\delta = -11^\circ 1'$				11.80 8.9 W.				1906							
1904				16 Ei. Y.				1906							
July 6	Ei. Y.	39.74	53.6 W.	11.81 8.2 W.				1906							
18	Ei. Y.	39.73	53.7 W.	Oct. 14 Ei. M.				1906							
Oct. 15	Ei. M.	39.72	53.1 E.	11.78 8.5 E.				1906							
1906				Oct. 6 Ei. P.				1906							
Sept. 25	Ei. Y.	39.78	53.1 W.	11.75 8.1 W.				1906							
Mean.....		39.742	53.38	Mean.....				1906							
Mag. corr....		+0.014		11.785 8.42				1906							
1904				Mag. corr....				1906							
1904				0.000				1906							
1904				B. D. -14° 6150				1906							
1904				$\alpha = 21^h 47^m$				1906							
1904				$\delta = -14^\circ 39'$				1906							
1904				1903				1906							
1904				Sept. 12 Ei. Y.				1906							
1904				55.89 36.8 W.				1906							
1904				14 Ei. Y.				1906							
1904				55.92 36.4 W.				1906							
1904				1904				1906							
1904				Oct. 5 Ei. Y.				1906							
1904				55.94 36.4 E.				1906							
1904				1906				1906							
1904				Sept. 8 Ei. Y.				1906							
1904				55.99 36.1 W.				1906							
1904				Mean.....				1906							
1904				55.935 36.42				1906							
1904				Mag. corr....				1906							
1904				0.000				1906							
1904				B. D. -10° 5785				1906							
1904				$\alpha = 21^h 48^m$				1906							
1904				$\delta = -10^\circ 46'$				1906							
1904				1903				1906							
1904				Sept. 10 Ei. Y.				1906							
1904				15.28 57.5 W.				1906							
1904				11 Ei. Y.				1906							
1904				15.28 57.7 W.				1906							
1904				1904				1906							
1904				Oct. 1 Ei. Y.				1906							
1904				15.32 56.3 E.				1906							
1904				1906				1906							
1904				June 29 Ei. Y.				1906							
1904				15.28 56.4 W.				1906							
1904				Mean.....				1906							
1904				15.290 56.98				1906							
1904				Mag. corr....				1906							
1904				+0.017				1906							
1904				B. D. -16° 5785				1906							
1904				$\alpha = 21^h 48^m$				1906							
1904				$\delta = +25^\circ 27'$				1906							
1904				1903				1906							
1904				Sept. 19 Ei. Y.				1906							
1904				-0.06 -0.7 W.				1906							
1904				21 Ei. Y.				1906							
1904				0.00 -0.4				1906							
1904				23 R.				1906							
1904				+0.03 +0.1				1906							
1904				1904				1906							
1904				July 11 Br.				1906							
1904				-0.03 +0.1				1906							
1904				12 M.				1906							
1904				-0.04 +0.2				1906							
1904				17 M.				1906							
1904				+0.05 -0.1				1906							
1904				20 M.				1906							
1904				+0.05 -0.4				1906							
1904				26 T.				1906							
1904				-0.01 +0.2				1906							
1904				31 M.				1906							
1904				+0.02 +0.2				1906							
1904				1905				1906							
1904				Sept. 14 Bs.				1906							
1904				-0.01 +0.2				1906							
1904				19 Bs.				1906							
1904				+0.03 -0.4				1906							
1904				21 Bs.				1906							
1904				-0.04 -0.2				1906							
1904				27 Bs.				1906							
1904				-0.02 +0.4				1906							
1904				28 Hl.				1906							
1904				0.00 +0.4				1906							
1904				Oct. 4 Bs.				1906							
1904				-0.02 -0.4				1906							
1904				6 Br.				1906							
1904				-0.02 +0.8				1906							
1904				8 Bs.				1906							
1904				+0.01 -0.4				1906							
1904				12 Bs.				1906							
1904				-0.01 0.0				1906							
1904				1906				1906							
1904				Aug. 19 Hl.				1906							
1904				+0.06 ... W.				1906							
1904				1907				1906							
1904				July 4 Hl.				1906							
1904				-0.05 +0.4 E.				1906							
1904				16 Hl.				1906							
1904				0.00 -0.6				1906							
1904				21 M.				1906							
1904				+0.03 +0.3				1906							
1904				23 P.				1906							
1904				+0.04 +0.1				1906							
1904				Sept. 21 P.				1906							
1904				+0.05 +0.2				1906							
1904				29 M.				1906							
1904				+0.01 +0.8				1906							
1904				30 M.				1906							
1904				+0.04 +0.3				1906							
1904				Oct. 16 P.				1906							
1904				-0.01 +0.5 E.				1906							
1904				1908				1906							
1904				Aug. 28 P.				1906							
1904				+0.04 ... W.				1906							
1904				Nov. 6 P.				1906							
1904				-0.03 -0.4				1906							
1904				10 P.				1906							
1904				-0.01 0.0				1906							
1904				13 P.				1906							
1904				-0.01 +1.0				1906							
1904				17 P.				1906							
1904				+0.01 +0.8 W.				1906							

1908			1906			1904			B. D. -12° 6134		
Nov. 18 L.	-0.01	-0.2 W.	Oct. 12 Hl.	44.86	27.6 W.	Oct. 1 Ei.Y.	32.73	54.2 E.	$\alpha = 21^h 52^m$		
20 P.	+0.02	+0.3				1906			$\delta = -12^\circ 34'$		
27 P.	-0.02	+0.7 W.	Mean.....	44.818	27.66	June 29 Ei.Y.	32.69	54.2 W.			
1909			Mag. corr....	+0.007		Mean.....	32.720	54.60	1904		
Sept. 28 P.	-0.01	+1.2 E.	B. D. -7° 5669			Mag. corr....	+0.003		July 30 Ei.Y.	55.10	42.6 W.
Oct. 26 P.	-0.02	+0.5	$\alpha = 21^h 50^m$						Aug. 15 Ei.Y.	55.14	41.6 W.
29 P.	-0.02	+0.7	$\delta = -7^\circ 27'$			158 B. Cephei			Oct. 14 Ei.M.	55.09	42.7 E.
Nov. 5 L.	+0.03	+0.7	1904			$\alpha = 21^h 51^m 37^s .029$			1906		
12 L.	-0.05	+0.2	July 14 Ei.Y.	57.56	15.0 W.	$\delta = +73^\circ 13' 45'' .04$			Oct. 8 Ei.P.	55.06	43.6 W.
13 M.	+0.02	+0.2	16 Ei.Y.	57.50	14.2 W.	1904			Mean.....	55.098	42.62
19 P.	-0.01	0.0	Oct. 15 Ei.M.	57.50	15.1 E.	Nov. 3 Y.	-0.05	+0.6 E.	Mag. corr....	-0.005	
27 L.	+0.02	+0.4	1906			7 M.	-0.09	+0.6	B. D. -6° 5878		
June 26 M.	0.00	+0.3 E.	Sept. 25 Ei.Y.	57.51	14.7 W.	14 M.	-0.18	+0.7	$\alpha = 21^h 52^m$		
Mean.....	+0.001	+0.19	Mean.....	57.518	14.75	23 M.	+0.01	+0.6	$\delta = -5^\circ 53'$		
Mag. corr....	+0.001		Mag. corr....	+0.007		28 M.	-0.05	+0.8 E.	1904		
B. D. -4° 5568			B. D. -10° 5795			1905			Aug. 11 Ei.Y.	58.90	56.0 W.
$\alpha = 21^h 48^m$			$\alpha = 21^h 51^m$			Sept. 12 Bs.	+0.14	+0.8 W.	12 Ei.Y.	58.89	55.0 W.
$\delta = -4^\circ 44'$			$\delta = -10^\circ 3'$			Oct. 4 Bs.	-0.26	+0.6	Oct. 15 Ei.M.	58.86	55.6 E.
1903			1904			12 Bs.	-0.30	+0.4	1906		
Sept. 15 Ei.Y.	57.10	42.6 W.	July 6 Ei.Y.	5.35	36.8 W.	1906			Sept. 25 Ei.Y.	58.86	55.6 W.
18 Ei.Y.	57.04	43.1	18 Ei.Y.	5.29	37.2 W.	July 6 Bs.	+0.10	+0.4	Mean.....	58.878	55.55
22 Ei.Y.	57.08	43.6 W.	Oct. 13 Ei.Y.	5.32	36.7 E.	Oct. 13 P.	-0.36	-0.5 W.	Mag. corr....	+0.021	
1904			1906			Mean.....	-0.121	+0.51	134 G. Capricorni		
Oct. 17 Ei.Y.	57.08	42.7 E.	Sept. 20 Ei.Y.	5.30	37.1 W.	Mag. corr....	+0.019		$\alpha = 21^h 53^m$		
1906			Mean.....	5.315	36.95	158 B. Cephei s. p.			$\delta = -21^\circ 39'$		
Sept. 19 Ei.Y.	57.09	42.6 W.	Mag. corr....	-0.005		$\alpha = 21^h 51^m 37^s .042$			1903		
Mean.....	57.078	42.92	B. D. -18° 6037			$\delta = +73^\circ 13' 45'' .05$			Oct. 22 L.	9.27	36.2 W.
Mag. corr....	-0.009		$\alpha = 21^h 51^m$			1905			26 L.	9.33	36.7
B. D. -15° 6092			$\delta = -18^\circ 22'$			Mar. 28 Br.	-0.03	+0.4 E.	27 Br.	9.41	35.4
$\alpha = 21^h 49^m$			1903			Apr. 13 Y.	+0.02	-0.4 E.	28 R.	9.33	36.4
$\delta = -15^\circ 43'$			Sept. 3 Ei.Y.	15.65	18.6 W.	Nov. 22 Hl.	+0.18	+1.1 W.	29 L.	9.26	36.8
1904			5 Ei.Y.	15.57	18.6 W.	23 Br.	+0.04	-1.1	Nov. 3 Br.	9.29	36.8
July 30 Ei.Y.	33.47	47.1 W.	1904			1906			6 Br.	9.31	....
Aug. 15 Ei.Y.	33.43	46.6 W.	Oct. 5 Ei.Y.	15.71	18.5 E.	Apr. 12 Bs.	+0.06	-0.2	7 R.	9.29	35.4
Oct. 10 Ei.Y.	33.46	47.4 E.	1906			17 Br.	+0.02	+1.1 W.	9 L.	9.28	36.1
Sept. 24 Ei.Y.	33.47	46.8 W.	Sept. 8 Ei.Y.	15.67	17.7 W.	1907			10 Br.	9.26	36.6
Mean.....	33.458	46.98	Mean.....	15.650	18.35	Nov. 24 M.	-0.06	+0.2 E.	12 L.	9.27	35.8
Mag. corr....	+0.012		Mag. corr....	+0.016		Dec. 8 M.	-0.09	+0.1	1904		
B. D. -12° 6126			13 Cephei			12 M.	-0.24	-0.5 E.	July 31 M.	9.26	35.7
$\alpha = 21^h 49^m$			$\alpha = 21^h 51^m$			1908			1905		
$\delta = -12^\circ 26'$			$\delta = +56^\circ 8'$			Nov. 16 P.	-0.01	+0.3 W.	Sept. 4 Hl.	9.33	35.5 W.
1904			1903			Mean.....	-0.011	+0.10	1907		
Aug. 11 Ei.Y.	39.00	34.2 W.	Oct. 4 L.	31.44	15.4 W.	Mag. corr....	+0.012		June 27 P.	9.24	37.2 E.
12 Ei.Y.	39.00	33.3 W.	6 Br.	31.42	15.2	B. D. -15° 6103			30 P.	9.26	35.9
Oct. 14 Ei.M.	39.01	33.9 E.	14 R.	31.38	15.5	$\alpha = 21^h 52^m$			July 8 M.	9.30	36.7
1906			15 L.	31.46	15.4	$\delta = -15^\circ 35'$			21 M.	....	36.1
Oct. 8 Ei.P.	38.96	34.7 W.	19 L.	31.43	15.8	1903			23 P.	9.30	36.8 E.
Mean.....	38.992	34.02	20 Br.	31.35	15.4	Sept. 10 Ei.Y.	20.98	56.0 W.	Mean.....	9.294	36.24
Mag. corr....	0.000		21 R.	31.47	15.3	11 Ei.Y.	20.95	56.3 W.	Mag. corr....	+0.009	
Bradley 2868			1904			1904			B. D. -11° 5726		
$\alpha = 21^h 49^m$			July 2 R.	31.41	15.7 W.	Oct. 17 Ei.Y.	21.01	55.3 E.	$\alpha = 21^h 54^m$		
$\delta = +55^\circ 44'$			1907			1906			$\delta = -10^\circ 47'$		
1904			June 27 P.	31.29	15.4 E.	Sept. 24 Ei.Y.	20.97	55.3 W.	1904		
Oct. 19 M.	44.82	27.9 E.	July 4 Hl.	31.38	15.5	Mean.....	20.978	55.72	July 14 Ei.Y.	25.14	24.5 W.
27 Y.	44.78	27.2	5 M.	31.38	15.3	Mag. corr....	+0.009		16 Ei.Y.	25.11	23.9 W.
29 Y.	44.88	28.2	7 Hl.	31.48	15.4	B. D. -9° 5876			Oct. 13 Ei.Y.	25.16	24.2 E.
31 M.	44.86	27.5	16 Hl.	31.43	15.6 E.	$\alpha = 21^h 52^m$			1906		
Nov. 1 Br.	44.80	28.1 E.	Mean.....	31.409	15.45	$\delta = -9^\circ 2'$			Sept. 20 Ei.Y.	25.16	25.0 W.
1905			Mag. corr....	+0.006		1903			Mean.....	25.142	24.40
Sept. 8 Hl.	44.78	27.2 W.	B. D. -19° 6190			Sept. 15 Ei.Y.	21.22	24.7 W.	Mag. corr....	+0.005	
Oct. 7 Bs.	44.84	28.1	$\alpha = 21^h 51^m$			18 Ei.Y.	21.18	25.3	η Piscis Australis (mean)		
1906			$\delta = -19^\circ 39'$			22 Ei.Y.	21.25	26.0 W.	$\alpha = 21^h 55^m$		
Sept. 3 Hl.	44.85	27.7	1903			1904			$\delta = -28^\circ 55'$		
5 P.	44.71	27.1 W.	Sept. 12 Ei.Y.	32.72	55.5 W.	Oct. 10 Ei.Y.	21.20	25.8 E.	1904		
			14 Ei.Y.	32.74	54.5 W.	1906			Sept. 21 M.	5.65	59.7 E.
						Sept. 19 Ei.Y.	21.24	25.4 W.	23 M.	5.55	60.2
						Mean.....	21.218	25.44	26 M.	5.54	60.7
						Mag. corr....	+0.016		Oct. 7 Br.	5.69	60.9 E.

1905	s	"	B. D. -16° 5998		B. D. -17° 6422 (fol.)		o Aquarii				
Aug. 15 Hl.	5.69	59.1 W.	$\alpha = 21^h 56^m$		$\alpha = 21^h 56^m$		$\alpha = 21^h 58^m$				
Sept. 9 Bs.	5.70	60.1	$\delta = -16^\circ 5'$		$\delta = -17^\circ 26'$		$\delta = -2^\circ 38'$				
18 Hl.	5.64	59.6	1903	s	1904	s	1905	s	"		
25 Bs.	5.66	59.6	Sept. 10 Ei.Y.	6.08	34.2 W.	Aug. 11 Ei.Y.	58.48	45.8 W.	Oct. 21 Bs.	8.63	16.5 W.
26 Hl.	5.65	59.8	11 Ei.Y.	6.06	34.3 W.	12 Ei.Y.	58.42	45.1 W.	1906		
Oct. 7 Bs.	5.66	61.2 W.	Oct. 10 Ei.Y.	6.09	34.1 E.	Oct. 13 Ei.Y.	58.40	46.3 E.	Sept. 3 Hl.	8.57	17.6
Mean.....	5.643	60.09	1906			1906			5 P.	8.58	17.5
Mag. corr....	-0.003		Sept. 24 Ei.Y.	6.15	33.6 W.	Sept. 20 Ei.Y.	58.41	46.1 W.	21 P.	8.58	16.2
η Piscis Australis (brighter)			Mean.....	6.095	34.05	Mean.....	58.428	45.82	Oct. 12 Hl.	8.58	16.9 W.
$\alpha = 21^h 55^m$			Mag. corr....	+0.010		Mag. corr....	+0.009		1907		
$\delta = -28^\circ 56'$			20 Pegasi			16 Cephei			June 30 P.	8.58	16.8 E.
1904	s	"	$\alpha = 21^h 56^m$		$\alpha = 21^h 57^m$				July 21 M.	8.57	16.5
Oct. 16 Br.	5.74	0.4 E.	$\delta = +12^\circ 38'$		$\delta = +72^\circ 42'$				23 P.	8.50	16.5
Mag. corr....	-0.01		1904	s	1903	s			25 Hl.	8.56	17.3
B. D. -13° 6074			July 2 R.	13.11	27.2 W.	Oct. 22 L.	49.30	13.7 W.	Sept. 21 P.	8.50	17.1 E.
$\alpha = 21^h 55^m$			11 Br.	13.12	27.4	26 L.	49.36	13.0	Mean.....	8.565	16.89
$\delta = -13^\circ 30'$			12 M.	13.04	28.0	29 L.	49.25	13.3	Mag. corr....	+0.001	
1904	s	"	17 M.	13.07	27.6	Nov. 3 Br.	49.23	13.3	B. D. -8° 5789		
July 6 Ei.Y.	41.87	16.2 W.	26 T.	13.10	26.6	4 R.	49.39	13.6	$\alpha = 21^h 58^m$		
18 Ei.Y.	41.83	16.8 W.	31 M.	13.09	27.6 W.	6 Br.	49.31	.....	$\delta = -7^\circ 56'$		
Oct. 5 Ei.Y.	41.83	16.2 E.	Nov. 7 M.	13.04	27.3 E.	9 L.	49.36	13.2	1904	s	"
1906			14 M.	13.04	27.0	10 Br.	49.25	13.6	July 6 Ei.Y.	15.85	32.6 W.
Sept. 8 Ei.Y.	41.84	15.8 W.	23 M.	13.07	27.4	12 L.	49.26	13.4 W.	18 Ei.Y.	15.80	33.1 W.
Mean.....	41.842	16.25	28 M.	13.08	27.1	1907			Oct. 1 Ei.Y.	15.90	32.9 E.
Mag. corr....	+0.010		30 M.	13.09	26.8 E.	July 5 M.	49.17	12.8 E.	1906		
B. D. -12° 6150			Mean.....	13.077	27.27	8 M.	49.20	13.4	June 29 Ei.Y.	15.85	32.7 W.
$\alpha = 21^h 55^m$			Mag. corr....	-0.006		16 Hl.	49.17	13.2	Mean.....	15.850	32.82
$\delta = -11^\circ 49'$			B. D. -10° 5812			Aug. 6 Hl.	49.35	13.0	Mag. corr....	-0.005	
1903	s	"	$\alpha = 21^h 56^m$		$\delta = -10^\circ 21'$	Sept. 20 P.	49.08	13.1 E.	B. D. -13° 6085		
Sept. 3 Ei.Y.	50.80	24.2 W.	$\delta = -10^\circ 21'$			Mean.....	49.263	13.28	$\alpha = 21^h 58^m$		
5 Ei.Y.	50.72	24.5 W.	1903	s	"	Mag. corr....	0.000		$\delta = -13^\circ 30'$		
1904			Sept. 15 Ei.Y.	31.01	21.7 W.	16 Cephei s. p.			1903	s	"
Oct. 1 Ei.Y.	50.80	24.2 E.	18 Ei.Y.	31.02	22.1	$\alpha = 21^h 57^m$			Sept. 3 Ei.Y.	43.12	12.0 W.
1906			22 Ei.Y.	31.05	22.9 W.	$\delta = +72^\circ 42'$			5 Ei.Y.	43.05	12.7 W.
June 29 Ei.Y.	50.81	23.9 W.	1904			1903	s	"	1904		
Mean.....	50.782	24.20	Oct. 14 Ei.M.	31.03	22.0 E.	Nov. 10 R.	[49.42] [13.9] W.		Oct. 17 Ei.Y.	43.06	11.4 E.
Mag. corr....	-0.008.		1906			1904			1906		
28 Aquarii			Oct. 8 Ei.P.	30.99	22.6 W.	Mar. 27 Br.	49.18	14.7	Sept. 19 Ei.Y.	43.12	11.7 W.
$\alpha = 21^h 55^m$			Mean.....	31.020	22.26	Apr. 13 M.	49.16	14.5	Mean.....	43.088	11.95
$\delta = +0^\circ 7'$			Mag. corr....	0.000		18 R.	49.42	13.1	Mag. corr....	+0.007	
1903	s	"	B. D. -18° 6056			19 Br.	49.20	15.2	B. D. -16° 6012		
Oct. 4 L.	58.08	28.2 W.	$\alpha = 21^h 56^m$		$\delta = -18^\circ 22'$	22 Br.	49.36	14.1 W.	$\alpha = 21^h 58^m$		
15 L.	58.05	28.1	$\delta = -18^\circ 22'$			Dec. 7 Br.	49.27	12.9 E.	$\delta = -16^\circ 38'$		
19 L.	58.04	28.7	1904	s	"	1907			1903	s	"
20 Br.	58.09	28.3	July 30 Ei.Y.	41.76	60.3 W.	Apr. 18 M.	49.20	12.8	Sept. 12 Ei.Y.	45.41	48.1 W.
21 R.	58.06	28.7 W.	Aug. 15 Ei.Y.	41.66	59.7 W.	Dec. 20 P.	49.44	12.6	14 Ei.Y.	45.44	47.5 W.
1904			Oct. 15 Ei.M.	41.71	59.8 E.	1908			1904		
Oct. 19 M.	58.06	30.1 E.	1906			Jan. 16 P.	49.20	13.0	Oct. 10 Ei.Y.	45.40	47.6 E.
27 Y.	58.04	29.2	Sept. 25 Ei.Y.	41.70	59.9 W.	Mar. 4 P.	49.42	12.4 E.	1906		
29 Y.	58.07	30.0	Mean.....	41.708	59.92	Mean.....	49.285	13.53	Sept. 24 Ei.Y.	45.40	47.7 W.
31 M.	58.12	29.2	Mag. corr....	+0.019		Mag. corr....	-0.001		Mean.....	45.412	47.72
Nov. 3 Y.	58.08	29.2 E.	B. D. -17° 6422 (pr.)			B. D. -7° 5688			Mag. corr....	0.000	
Mean.....	58.069	28.97	$\alpha = 21^h 56^m$		$\alpha = 21^h 58^m$				B. D. -9° 5908		
Mag. corr....	-0.006		$\delta = -17^\circ 26'$		$\delta = -7^\circ 0'$				$\alpha = 21^h 59^m$		
B. D. -15° 6119			$\delta = -17^\circ 26'$						$\delta = -9^\circ 11'$		
$\alpha = 21^h 56^m$			1904	s	"	1904	s	"	1903	s	"
$\delta = -14^\circ 48'$			Aug. 11 Ei.Y.	58.09	48.6 W.	July 14 Ei.Y.	0.98	20.0 W.	Sept. 10 Ei.Y.	13.72	61.0 W.
1903	s	"	12 Ei.Y.	58.15	48.1 W.	16 Ei.Y.	0.97	19.6 W.	11 Ei.Y.	13.67	60.4 W.
Sept. 12 Ei.Y.	2.13	23.4 W.	Oct. 13 Ei.Y.	58.01	47.4 E.	Oct. 5 Ei.Y.	1.00	19.9 E.	1904		
14 Ei.Y.	2.10	22.7 W.	1906			1906			Oct. 13 Ei.Y.	13.72	59.7 E.
Oct. 17 Ei.Y.	2.11	22.3 E.	Sept. 20 Ei.Y.	58.11	47.9 W.	Sept. 8 Ei.Y.	0.98	19.9 W.	1906		
1906			Mean.....	58.090	48.00	Mean.....	0.982	19.85	Oct. 8 Ei.P.	13.72	60.8 W.
Sept. 19 Ei.Y.	2.16	22.2 W.	Mag. corr....	+0.009		Mag. corr....	-0.006		Mean.....	13.708	60.48
Mean.....	2.125	22.65	B. D. -17° 6422 (pr.)			B. D. -7° 5688			Mag. corr....	+0.009	
Mag. corr....	0.000		$\alpha = 21^h 56^m$		$\alpha = 21^h 58^m$				B. D. -9° 5908		
B. D. -15° 6119			$\delta = -17^\circ 26'$		$\delta = -7^\circ 0'$				$\alpha = 21^h 59^m$		
$\alpha = 21^h 56^m$			1904	s	"	1904	s	"	$\delta = -9^\circ 11'$		
$\delta = -14^\circ 48'$			Aug. 11 Ei.Y.	58.09	48.6 W.	July 14 Ei.Y.	0.98	20.0 W.	1903	s	"
1903	s	"	12 Ei.Y.	58.15	48.1 W.	16 Ei.Y.	0.97	19.6 W.	Sept. 10 Ei.Y.	13.72	61.0 W.
Sept. 12 Ei.Y.	2.13	23.4 W.	Oct. 13 Ei.Y.	58.01	47.4 E.	Oct. 5 Ei.Y.	1.00	19.9 E.	11 Ei.Y.	13.67	60.4 W.
14 Ei.Y.	2.10	22.7 W.	1906			1906			1904		
Oct. 17 Ei.Y.	2.11	22.3 E.	Sept. 20 Ei.Y.	58.11	47.9 W.	Sept. 8 Ei.Y.	0.98	19.9 W.	Oct. 13 Ei.Y.	13.72	59.7 E.
1906			Mean.....	58.090	48.00	Mean.....	0.982	19.85	1906		
Sept. 19 Ei.Y.	2.16	22.2 W.	Mag. corr....	+0.009		Mag. corr....	-0.006		Oct. 8 Ei.P.	13.72	60.8 W.
Mean.....	2.125	22.65	B. D. -17° 6422 (pr.)			B. D. -7° 5688			Mean.....	13.708	60.48
Mag. corr....	0.000		$\alpha = 21^h 56^m$		$\alpha = 21^h 58^m$				Mag. corr....	+0.009	
B. D. -15° 6119			$\delta = -17^\circ 26'$		$\delta = -7^\circ 0'$				B. D. -9° 5908		
$\alpha = 21^h 56^m$			1904	s	"	1904	s	"	$\alpha = 21^h 59^m$		
$\delta = -14^\circ 48'$			Aug. 11 Ei.Y.	58.09	48.6 W.	July 14 Ei.Y.	0.98	20.0 W.	$\delta = -9^\circ 11'$		
1903	s	"	12 Ei.Y.	58.15	48.1 W.	16 Ei.Y.	0.97	19.6 W.	1903	s	"
Sept. 12 Ei.Y.	2.13	23.4 W.	Oct. 13 Ei.Y.	58.01	47.4 E.	Oct. 5 Ei.Y.	1.00	19.9 E.	Sept. 10 Ei.Y.	13.72	61.0 W.
14 Ei.Y.	2.10	22.7 W.	1906			1906			11 Ei.Y.	13.67	60.4 W.
Oct. 17 Ei.Y.	2.11	22.3 E.	Sept. 20 Ei.Y.	58.11	47.9 W.	Sept. 8 Ei.Y.	0.98	19.9 W.	Oct. 13 Ei.Y.	13.72	59.7 E.
1906			Mean.....	58.090	48.00	Mean.....	0.982	19.85	1906		
Sept. 19 Ei.Y.	2.16	22.2 W.	Mag. corr....	+0.009		Mag. corr....	-0.006		Oct. 8 Ei.P.	13.72	60.8 W.
Mean.....	2.125	22.65	B. D. -17° 6422 (pr.)			B. D. -7° 5688			Mean.....	13.708	60.48
Mag. corr....	0.000		$\alpha = 21^h 56^m$		$\alpha = 21^h 58^m$				Mag. corr....	+0.009	
B. D. -15° 6119			$\delta = -17^\circ 26'$		$\delta = -7^\circ 0'$				B. D. -9° 5908		
$\alpha = 21^h 56^m$			1904	s	"	1904	s	"	$\alpha = 21^h 59^m$		
$\delta = -14^\circ 48'$			Aug. 11 Ei.Y.	58.09	48.6 W.	July 14 Ei.Y.	0.98	20.0 W.	$\delta = -9^\circ 11'$		
1903	s	"	12 Ei.Y.	58.15	48.1 W.	16 Ei.Y.	0.97	19.6 W.	1903	s	"
Sept. 12 Ei.Y.	2.13	23.4 W.	Oct. 13 Ei.Y.	58.01	47.4 E.	Oct. 5 Ei.Y.	1.00	19.9 E.	Sept. 10 Ei.Y.	13.72	61.0 W.
14 Ei.Y.	2.10	22.7 W.	1906			1906			11 Ei.Y.	13.67	60.4 W.
Oct. 17 Ei.Y.	2.11	22.3 E.	Sept. 20 Ei.Y.	58.11	47.9 W.	Sept. 8 Ei.Y.	0.98	19.9 W.	Oct. 13 Ei.Y.	13.72	59.7 E.
1906			Mean.....	58.090	48.00	Mean.....	0.982	19.85	1906		
Sept. 19 Ei.Y.	2.16	22.2 W.	Mag. corr....	+0.009		Mag. corr....	-0.006		Oct. 8 Ei.P.	13.72	60.8 W.
Mean.....	2.125	22.65	B. D. -17° 6422 (pr.)			B. D. -7° 5688			Mean.....	13.708	60.48
Mag. corr....	0.000		$\alpha = 21^h 56^m$		$\alpha = 21^h 58^m$				Mag. corr....	+0.	

B. D. -5° 5697			1905			1908			1904		
$\alpha = 21^h 59^m$			s			s			s		
$\delta = -5^\circ 19'$			Sept. 29 Bs. +0.06 +0.3 W.			Nov. 6 P. +0.06 ... W.			Oct. 10 Ei.Y. 58.52 5.1 E.		
1903			Oct. 4 Bs. +0.03 0.0			20 P. +0.11 +1.0			1906		
Sept. 15 Ei.Y. 21.70 28.0 W.			6 Br. 0.00 +0.9			27 P. +0.05 -0.2			Sept. 24 Ei.Y. 58.49 4.8 W.		
18 Ei.Y. 21.67 28.0			7 Bs. +0.03 +1.1			30 M. +0.06 +0.1 W.			Mean..... 58.515 4.98		
22 Ei.Y. 21.85 29.3 W.			12 Bs. +0.04 +0.6			1909			Mag. corr.... +0.012		
1904			1906			July 6 L. +0.08 +0.3 E.			Pegasi		
Oct. 15 Ei.M. 21.76 28.1 E.			Sept. 6 Ei.Y. +0.07 -0.2			Aug. 2 L. +0.12 +1.4			$\alpha = 22^h 2^m 21^s.514$		
1906			1908			Sept. 8 L. +0.05 +0.5			$\delta = +24^\circ 51' 23''.87$		
Sept. 25 Ei.Y. 21.78 28.4 W.			July 6 P. +0.04 +1.1			13 L. +0.10 +0.6			1903		
Mean..... 21.752 28.36			10 Fk. -0.04 ...			14 P. +0.09 +0.4			Sept. 19 Ei.Y. -0.01 -0.3 W.		
Mag. corr.... 0.000			Aug. 28 P. +0.08 ... W.			25 P. +0.12 +0.1			21 Ei.Y. -0.04 -0.4		
v Pegasi			Mean..... +0.042 +0.44			26 P. +0.10 +0.6			24 Ei.Y. +0.02 +1.7		
$\alpha = 22^h 0^m$			Mag. corr.... -0.001			28 P. +0.12 +0.5			25 Ei.Y. -0.05 +0.8		
$\delta = +4^\circ 34'$			B. D. -15° 6139			Oct. 22 M. +0.05 +1.6			1904		
1903			$\alpha = 22^h 0^m$			Nov. 10 L. +0.07 +0.5			July 2 R. +0.02 ...		
Nov. 7 R. 38.29 11.3 W.			$\delta = -15^\circ 22'$			11 M. +0.08 +0.2			1905		
1905			1904			12 L. +0.05 +0.1			Sept. 9 Bs. +0.02 -0.2		
Aug. 18 Hl. 38.28 12.7			s			13 M. +0.09 0.0			Oct. 21 Bs. +0.05 +0.7		
1906			July 30 Ei.Y. 46.75 56.8 W.			19 P. +0.03 -0.2			1906		
July 6 Bs. 38.33 11.8			Aug. 15 Ei.Y. 46.74 56.5 W.			20 L. +0.09 -0.4			Aug. 19 Hl. -0.02 ...		
Oct. 13 P. 38.28 11.1			Oct. 13 Ei.Y. 46.78 56.4 E.			26 P. +0.07 +0.3			Sept. 21 P. +0.04 +0.9		
15 Hl. 38.27 12.1 W.			1906			Dec. 1 L. +0.12 +0.8			Oct. 12 Hl. -0.04 +0.8 W.		
1907			Sept. 20 Ei.Y. 46.80 57.0 W.			1910			1907		
July 7 Hl. 38.24 12.0 E.			Mean..... 46.768 56.68			June 26 M. +0.06 +0.1			June 30 P. -0.01 +1.1 E.		
8 M. 38.26 12.0			Mag. corr.... +0.010			July 24 M. +0.06 +0.3			Aug. 6 Hl. -0.07 +1.2		
Sept. 29 M. 38.30 12.4			B. D. -6° 5908			Aug. 20 P. +0.09 +0.2			Sept. 20 P. -0.03 ...		
30 M. 38.29 13.1			$\alpha = 22^h 0^m$			Nov. 8 P. +0.10 +1.6			Oct. 14 M. +0.03 +0.6		
Oct. 13 Hl. 38.30 12.6 E.			$\delta = -5^\circ 50'$			11 P. +0.05 +1.3			15 Hl. -0.06 +2.1		
Mean..... 38.284 12.11			1904			19 L. +0.11 ...			17 M. +0.04 +0.1		
Mag. corr.... +0.001			s			26 L. +0.03 +2.0			19 P. +0.05 +1.1		
α Aquarii			Aug. 11 Ei.Y. 50.61 33.3 W.			Dec. 2 P. +0.09 0.0			23 P. +0.05 +0.4 E.		
$\alpha = 22^h 0^m 38^s.901$			12 Ei.Y. 50.65 33.1 W.			7 L. +0.09 +0.3 E.			1908		
$\delta = -0^\circ 48' 20''.52$			Oct. 14 Ei.M. 50.63 33.9 E.			Mean..... +0.072 +0.55			Aug. 28 P. +0.03 ... W.		
1903			1906			Mag. corr.... +0.004			Nov. 6 P. -0.06 -0.3		
Sept. 6 R. +0.10 +1.0 W.			Sept. 8 Ei.Y. 50.66 33.5 W.			B. D. -20° 6362			13 P. -0.04 +1.6		
19 Ei.Y. +0.05 -0.1			Mean..... 50.638 33.45			$\alpha = 22^h 1^m$			17 P. -0.02 +0.6		
21 Ei.Y. +0.03 -0.5			Mag. corr.... +0.006			$\delta = -20^\circ 3'$			18 L. +0.03 0.0		
23 R. +0.05 +0.7			α Aquarii			1904			20 P. -0.04 +1.0		
24 Ei.Y. +0.01 +0.6			$\alpha = 22^h 1^m 2^s.244$			s			27 P. +0.02 +0.6		
25 Ei.Y. +0.05 +0.7			$\delta = -14^\circ 21' 18''.06$			July 6 Ei.Y. 54.83 23.9 W.			30 M. -0.03 -0.1 W.		
Oct. 27 Br. +0.09 +0.9			1903			18 Ei.Y. 54.80 24.5 W.			1909		
Nov. 26 L. +0.05 +0.9			s			Oct. 17 Ei.Y. 54.83 25.0 E.			Sept. 28 P. +0.05 +0.8 E.		
1904			Oct. 4 L. -0.01 +0.8 W.			1906			Oct. 22 M. -0.01 +0.9		
July 7 Br. +0.09 +0.6			6 Br. +0.05 +0.1			Sept. 6 Ei.Y. 54.81 24.9 W.			26 P. -0.02 +0.8		
10 R. +0.06 +0.6 W.			14 R. +0.05 0.0			Mean..... 54.818 24.58			29 P. -0.06 +1.0		
Sept. 21 M. 0.00 +0.2 E.			15 L. +0.02 +0.6			20 Cephei			Nov. 5 L. +0.02 +0.7		
23 M. 0.00 0.0			19 L. +0.09 +0.9			$\alpha = 22^h 1^m 58^s.160$			11 M. +0.03 +0.1		
26 M. -0.01 -0.4			20 Br. +0.08 -0.3			$\delta = +62^\circ 17' 51''.85$			12 L. -0.03 +0.1		
Oct. 7 Br. +0.03 +0.3			21 R. +0.07 +1.2			1904			13 M. -0.04 +0.4		
16 Br. +0.03 +1.2			28 R. +0.11 +0.9			s			1910		
19 Ei.M. +0.05 +0.4			1904			July 11 Br. 0.00 +0.4 W.			June 26 M. -0.05 +0.5		
25 Br. +0.01 +0.5			July 14 Ei.Y. +0.07 +1.2			12 M. -0.14 +0.5			Oct. 14 P. -0.05 +0.2		
27 Y. +0.06 +0.4			16 Ei.Y. +0.10 +1.4			17 M. -0.10 +0.8			15 M. +0.05 +0.3		
29 Y. +0.07 +0.8			Aug. 3 Ei.Y. +0.04 +0.4			20 M. -0.03 +0.2			22 L. -0.01 +0.3		
31 M. +0.05 +0.8			6 Ei.Y. +0.04 +0.3 W.			25 Br. -0.03 -0.1			28 P. -0.02 +0.8		
Nov. 1 Br. +0.02 +0.3			Sept. 7 Ei.Y. +0.04 +0.3 E.			26 T. -0.09 +0.9			Nov. 9 L. -0.02 +0.5		
3 Y. +0.05 +0.6			29 Ei.Y. +0.10 -0.4			31 M. -0.08 +0.9 W.			11 P. -0.01 +0.7		
7 M. +0.07 +0.1			Oct. 1 Ei.Y. +0.10 +1.3			1907			17 M. 0.00 +0.4 E.		
14 M. +0.04 -0.1			18 Ei.Y. +0.10 +0.6 E.			July 21 M. -0.01 +0.3 E.			Mean..... -0.007 +0.59		
16 M. -0.02 -0.2			1906			Oct. 1 Hl. +0.01 +0.4			Mag. corr.... -0.005		
23 M. +0.09 +0.4			June 29 Ei.Y. +0.06 +0.8 W.			2 P. -0.01 +0.4			B. D. -6° 5912		
28 M. +0.10 +0.6			Sept. 19 Ei.Y. +0.05 +0.8			3 P. -0.05 -0.2			$\alpha = 22^\circ 2^m$		
30 M. +0.05 -0.1 E.			Oct. 8 Ei.P. +0.03 +0.6			5 P. +0.02 +0.5 E.			$\delta = -6^\circ 19'$		
1905			11 Ei.P. +0.06 +0.9 W.			Mean..... -0.042 +0.42			1903		
Sept. 18 Hl. +0.04 +0.6 W.			1907			B. D. -11° 5756			s		
19 Bs. +0.06 +0.3			July 4 Hl. +0.13 +0.6 E.			$\alpha = 22^h 1^m$			Sept. 12 Ei.Y. 27.18 1.9 W.		
21 Bs. +0.01 +0.3			25 Hl. +0.17 +0.7			$\delta = -10^\circ 56'$			14 Ei.Y. 27.30 1.5 W.		
22 Hl. +0.07 +0.6			Oct. 14 M. +0.01 ...			1908			1904		
25 Bs. +0.02 +0.3			15 Hl. +0.07 ...			s			Oct. 14 Ei.M. 27.28 1.6 E.		
27 Bs. +0.03 +1.0			17 M. +0.02 ... E.			1903			1906		
28 Hl. +0.05 +0.3 W.			July 16 P. +0.07 +0.7 W.			Sept. 3 Ei.Y. 58.54 4.4 W.			Oct. 6 Ei.P. 27.31 1.0 W.		
			20 P. +0.02 +0.3 W.			5 Ei.Y. 58.51 5.6 W.			Mean..... 27.268 1.50		
									Mag. corr.... +0.001		

μ Piscis Australis			B. D. -8° 5817			B. D. -4° 5623			B. D. -11° 5770		
$\alpha = 22^h$ 2 ^m $\delta = -33^{\circ}$ 28'			$\alpha = 22^h$ 4 ^m $\delta = -8^{\circ}$ 40'			$\alpha = 22^h$ 5 ^m $\delta = -4^{\circ}$ 23'			$\alpha = 22^h$ 5 ^m $\delta = -11^{\circ}$ 18'		
1903			1904			1903			1903		
Oct. 22 L.	33.07	35.1 W.	July 14 Ei.Y.	9.70	37.7 W.	Sept. 10 Ei.Y.	9.06	3.5 W.	Sept. 15 Ei.Y.	11.84	44.0 W.
Nov. 3 Br.	33.17	34.6	16 Ei.Y.	9.80	37.7 W.	11 Ei.Y.	9.08	3.4 W.	18 Ei.Y.	11.79	44.8
6 Br.	33.19		Oct. 17 Ei.Y.	9.71	38.0 E.				22 Ei.Y.	11.83	45.7 W.
9 L.	33.13	35.1	1906			Oct. 13 Ei.Y.	9.15	2.7 E.	1904		
10 Br.	33.10	34.2	Sept. 6 Ei.Y.	9.74	37.9 W.	1906			Oct. 19 Ei.M.	11.82	44.4 E.
12 L.	33.13	34.3 W.	Mean.....	9.738	37.82	Sept. 20 Ei.Y.	9.08	2.8 W.	1906		
1907			Mag. corr....	+0.012		Mean.....	9.092	3.10	Sept. 8 Ei.Y.	11.82	45.1 W.
July 23 P.	33.17	36.2 E.				Mag. corr....	+0.022		Mean.....	11.820	44.80
Sept. 21 P.	33.12	35.6	B. D. -9° 5927						Mag. corr....	+0.012	
Oct. 8 P.	33.20	34.6	$\alpha = 22^h$ 4 ^m						B. D. -12° 6196		
9 M.	33.17	34.9	$\delta = -9^{\circ}$ 17'						$\alpha = 22^h$ 5 ^m		
12 M.	33.24	33.3 E.							$\delta = -12^{\circ}$ 3'		
Mean.....	33.154	34.79	1904			θ Pegasi					
Mag. corr....	+0.003		$\alpha = 22^h$ 5 ^m 9 ^s .493			$\delta = +5^{\circ}$ 42' 21''.31					
B. D. -18° 6075									1903		
$\alpha = 22^h$ 2 ^m									$\alpha = 22^h$ 5 ^m		
$\delta = -18^{\circ}$ 19'									$\delta = -12^{\circ}$ 3'		
1903									1903		
Sept. 10 Ei.Y.	45.92	19.1 W.	1904			1903			Sept. 19 Ei.Y.		
11 Ei.Y.	45.92	19.1 W.	July 6 Ei.Y.			Sept. 23 R.			21 Ei.Y.		
1904			18 Ei.Y.			-0.05 +0.1 W.			16.80 24.5 W.		
Oct. 15 Ei.M.	45.95	18.6 E.	Oct. 10 Ei.Y.			+0.02 +0.6			16.72 25.0 W.		
1906			13.04 27.0 E.			+0.01 +0.8			1904		
Sept. 25 Ei.Y.	46.03	19.0 W.	Sept. 24 Ei.Y.			+0.08 +0.6			Oct. 18 Ei.Y.		
Mean.....	45.955	18.95	Mean.....			+0.01 -0.7			16.85 24.5 E.		
Mag. corr....	+0.002		13.080 26.42			+0.02 -0.6			1906		
B. D. -17° 6451			B. D. -8° 5818			1904			Sept. 19 Ei.Y.		
$\alpha = 22^h$ 2 ^m			$\alpha = 22^h$ 4 ^m			July 2 R.			Mean.....		
$\delta = -17^{\circ}$ 1'			$\delta = -8^{\circ}$ 1'			10 R.			16.788 24.48		
1903			1903			Oct. 22 Ei.M.			Mag. corr....		
Sept. 15 Ei.Y.	59.39	55.6 W.	Sept. 3 Ei.Y.			+0.10 +0.1 E.			-0.003		
18 Ei.Y.	59.28	56.0	5 Ei.Y.			1905			B. D. -4° 5625		
22 Ei.Y.	59.40	56.5 W.	13.32 37.3 W.			Sept. 9 Bs.			$\alpha = 22^h$ 5 ^m		
1904			1904			-0.09 +0.6 W.			$\delta = -4^{\circ}$ 45'		
Oct. 13 Ei.Y.	59.29	54.8 E.	Oct. 14 Ei.M.			1906			1904		
1906			13.29 37.2 E.			July 6 Bs.			Aug. 3 Ei.Y.		
Sept. 20 Ei.Y.	59.37	56.1 W.	1906			+0.02 +0.4			20.99 30.7 W.		
Mean.....	59.346	55.80	Oct. 6 Ei.P.			Aug. 15 Hl.			15 Ei.Y.		
Mag. corr....	+0.007		13.36 38.5 W.			-0.02			21.12 30.1 W.		
B. D. -12° 6185			Mean.....			Oct. 8 Ei.P.			Oct. 17 Ei.Y.		
$\alpha = 22^h$ 3 ^m			13.335 37.58			+0.07 +0.3			20.97 30.7 E.		
$\delta = -12^{\circ}$ 6'			Mag. corr....			+0.06 +0.2			1906		
1904			+0.016			+0.04 +0.2 W.			Sept. 6 Ei.Y.		
Aug. 11 Ei.Y.	13.26	7.9 W.	B. D. -15° 6152			1907			Mean.....		
12 Ei.Y.	13.20	6.6 W.	$\alpha = 22^h$ 4 ^m			June 30 P.			21.022 30.55		
Oct. 19 Ei.M.	13.22	7.5 E.	$\delta = -15^{\circ}$ 36'			July 7 Hl.			Mag. corr....		
1906			1903			Oct. 25 P.			-0.012		
Sept. 8 Ei.Y.	13.23	7.5 W.	Sept. 12 Ei.Y.			-0.01 +0.2			π Pegasi		
Mean.....	13.228	7.38	14 Ei.Y.			+0.02 +0.2 E.			$\alpha = 22^h$ 5 ^m 32 ^s .739		
Mag. corr....	+0.001		24.01 45.7 W.			1908			$\delta = +32^{\circ}$ 41' 14''.65		
B. D. -19° 6227			1904			July 6 P.			1903		
$\alpha = 22^h$ 3 ^m			Oct. 15 Ei.M.			-0.01 +0.4 W.			Nov. 12 L.		
$\delta = -19^{\circ}$ 0'			24.04 45.4 E.			8 M.			-0.04 +0.4 W.		
1904			1906			13 P.			1904		
July 30 Ei.Y.	30.04	32.2 W.	Sept. 25 Ei.Y.			28 P.			Sept. 23 M.		
Aug. 15 Ei.Y.	30.03	31.8 W.	24.04 44.7 W.			-0.02			-0.02 +0.1 E.		
Oct. 18 Ei.Y.	30.03	32.7 E.	Mean.....			+0.01			26 M.		
1906			24.030 45.42			+0.04			-0.03 -0.4		
Sept. 19 Ei.Y.	30.06	31.8 W.	Mag. corr....			-0.04			7 Br.		
Mean.....	30.040	32.12	-0.010			+0.06			16 Br.		
Mag. corr....	-0.007		27 Pegasi			+0.02			+0.02 +0.8		
			$\alpha = 22^h$ 4 ^m			+0.02			27 Y.		
			$\delta = +32^{\circ}$ 41'			+0.00			0.00 +0.1		
			1903			+0.01			29 Y.		
			Oct. 26 L.			+0.12			+0.02 +0.6		
			47.69 0.6 W.			+0.07			29 M.		
			29 L.			+0.03			+0.02 +0.3		
			47.72 0.4			+0.03			28 M.		
			Nov. 4 R.			+0.03			-0.01 -0.2 E.		
			47.77 0.8 W.			+0.03			1905		
			1904			+0.03			Sept. 29 Bs.		
			Nov. 3 Y.			+0.03			+0.06 +0.7 W.		
			47.74 2.1 E.			+0.03			Oct. 4 Bs.		
			16 M.			+0.03			-0.09 0.0		
			47.69 0.9			+0.03			5 Hl.		
			23 M.			+0.03			-0.01 +0.6		
			47.74			+0.03			7 Bs.		
			28 M.			+0.03			-0.01 +0.4		
			47.72 0.7 E.			+0.03			12 Bs.		
			1905			+0.03			-0.04 +0.1 W.		
			Oct. 4 Bs.			+0.03			Mean.....		
			47.72 1.4 W.			+0.03			-0.004 +0.23		
			6 Br.			+0.03			Mag. corr....		
			47.69 1.4			+0.03			+0.008		
			7 Bs.			+0.03			28 Pegasi		
			47.72 ... W.			+0.03			$\alpha = 22^h$ 5 ^m		
			1907			+0.03			$\delta = +20^{\circ}$ 29'		
			Sept. 29 M.			+0.03			1903		
			47.72 1.3 E.			+0.03			Oct. 4 L.		
			Mean.....			+0.03			46.57 11.2 W.		
			47.720 1.07			+0.03			14 R.		
			Mag. corr....			+0.03			46.55 10.9		
			-0.005			+0.03			15 L.		
						+0.03			46.60 10.8		
						+0.03			19 L.		
						+0.03			46.62 11.7		
						+0.03			20 Br.		
						+0.03			46.56 11.1		
						+0.03			21 R.		
						+0.03			46.58 11.5 W.		

1907

July 16 Hl.

46.59

12.2 E.

Sept. 20 P.

46.55

11.3

Oct. 17 M.

46.56

11.7

19 P.

46.62

12.1

23 P.

46.60

11.2 E.

Mean.....

46.582

11.43

Mag. corr....

+0.006

B. D. -11° 5777

$\alpha = 22^h \quad 6^m$

$\delta = -11^\circ \quad 33'$

1904

July 14 Ei.Y.

57.06

31.8 W.

16 Ei.Y.

57.10

31.7 W.

Oct. 10 Ei.Y.

57.16

32.2 E.

1906

Sept. 24 Ei.Y.

57.18

31.9 W.

Mean.....

57.125

31.90

Mag. corr....

+0.007

B. D. -14° 6229

$\alpha = 22^h \quad 7^m$

$\delta = -14^\circ \quad 41'$

1904

July 6 Ei.Y.

2.29

9.9 W.

18 Ei.Y.

2.22

10.9 W.

Oct. 14 Ei.M.

2.26

10.8 E.

1906

Oct. 6 Ei.P.

2.34

10.8 W.

Mean.....

2.278

10.60

Mag. corr....

+0.021

B. D. -18° 6084

$\alpha = 22^h \quad 7^m$

$\delta = -18^\circ \quad 31'$

1903

Sept. 3 Ei.Y.

5.56

15.9 W.

5 Ei.Y.

5.56

15.7 W.

1904

Oct. 15 Ei.M.

5.55

14.8 E.

1906

Sept. 25 Ei.Y.

5.60

14.4 W.

Mean.....

5.568

15.20

Mag. corr....

-0.008

B. D. -11° 5778

$\alpha = 22^h \quad 7^m$

$\delta = -10^\circ \quad 55'$

1903

Sept. 12 Ei.Y.

19.48

12.1 W.

14 Ei.Y.

19.45

11.5 W.

1904

Oct. 13 Ei.Y.

19.40

10.9 E.

1906

Sept. 20 Ei.Y.

19.47

10.9 W.

Mean.....

19.450

11.35

Mag. corr....

-0.006

† Cephei

$\alpha = 22^h \quad 7^m \quad 23^s.062$

$\delta = +57^\circ \quad 42' \quad 29''.87$

1904

July 11 Br.

+0.06

+0.5 W.

12 M.

-0.11

+0.8

17 M.

-0.02

+0.9

20 M.

-0.02

+0.1

25 Br.

+0.02

+0.1

31 M.

-0.02

+0.3 W.

1907

July 21 M.

0.00

-0.1 E.

Oct. 1 Hl.

+0.09

+0.4

2 P.

+0.01

+0.4

3 P.

+0.06

+0.2

5 P.

+0.08

0.0

8 P.

+0.07

+0.3 E.

Mean.....

+0.018

+0.32

Mag. corr....

-0.004

B. D. -7° 5727

$\alpha = 22^h \quad 7^m$

$\delta = -6^\circ \quad 57'$

1903

Sept. 10 Ei.Y.

27.48

48.4 W.

11 Ei.Y.

27.46

48.6 W.

1904

Oct. 19 Ei.M.

27.49

47.1 E.

1906

Sept. 8 Ei.Y.

27.55

47.5 W.

Mean.....

27.495

47.90

Mag. corr....

+0.007

B. D. -5° 5732

$\alpha = 22^h \quad 7^m$

$\delta = -5^\circ \quad 12'$

1903

Sept. 15 Ei.Y.

31.46

49.4 W.

18 Ei.Y.

31.41

49.2

22 Ei.Y.

31.41

50.0 W.

1904

Oct. 18 Ei.Y.

31.39

49.6 E.

1906

Oct. 8 Ei.P.

31.42

50.0 W.

Mean.....

31.418

49.64

Mag. corr....

+0.019

B. D. -13° 6130

$\alpha = 22^h \quad 7^m$

$\delta = -13^\circ \quad 31'$

1903

Sept. 19 Ei.Y.

38.98

8.1 W.

21 Ei.Y.

39.05

8.4 W.

1904

Oct. 22 Ei.M.

39.04

7.3 E.

1906

Sept. 6 Ei.Y.

39.04

8.3 W.

Mean.....

39.028

8.02

Mag. corr....

-0.008

24 Cephei

$\alpha = 22^h \quad 7^m \quad 53^s.209$

$\delta = +71^\circ \quad 50' \quad 54''.65$

1905

Sept. 28 Hl.

-0.04

+0.2 W.

Oct. 6 Br.

+0.05

+1.2

12 Bs.

-0.17

-0.1

21 Bs.

-0.05

+0.6

1906

Sept. 3 Hl.

+0.04

+0.6 W.

1907

Aug. 6 Hl.

-0.03

+0.4 E.

Sept. 30 M.

+0.04

0.0

Oct. 9 M.

+0.17

+1.2

12 M.

+0.05

+0.6

13 Hl.

+0.02

+0.7 E.

Mean.....

+0.008

+0.54

Mag. corr....

+0.001

24 Cephei s. p.

$\alpha = 22^h \quad 7^m \quad 53^s.203$

$\delta = +71^\circ \quad 50' \quad 54''.65$

1903

Nov. 30 Br.

+0.20

+0.8 W.

Dec. 6 R.

+0.02

+0.5

7 Br.

0.00

+1.0

9 Br.

+0.10

+0.2

1904

Apr. 18 R.

+0.11

-0.6

19 Br.

-0.01

+2.5

22 Br.

-0.04

+0.4 W.

Nov. 21 Br.

+0.11

+1.1 E.

1907

Dec. 20 P.

+0.13

+0.8

24 P.

-0.15

-0.3

1908

Mar. 9 M.

+0.05

+0.4

12 Hl.

+0.17

-0.1 E.

Mean.....

+0.057

+0.56

Mag. corr....

+0.001

B. D. -12° 6209

$\alpha = 22^h \quad 8^m$

$\delta = -12^\circ \quad 25'$

1903

Sept. 24 Ei.Y.

5.67

12.0 W.

25 Ei.Y.

5.67

12.8 W.

1904

Oct. 10 Ei.Y.

5.69

13.9 E.

1906

Sept. 24 Ei.Y.

5.69

13.6 W.

Mean.....

5.680

13.08

Mag. corr....

+0.010

λ Cephei

$\alpha = 22^h \quad 8^m$

$\delta = +58^\circ \quad 55'$

1903

Oct. 22 L.

6.83

15.6 W.

26 L.

6.87

14.6

28 R.

6.86

16.2

29 L.

6.85

15.7

Nov. 3 Br.

6.81

15.8

6 Br.

6.82

7 R.

6.88

15.7 W.

1907

July 8 M.

6.88

16.5 E.

Oct. 14 M.

6.89

15.9

15 Hl.

6.74

16.6

16 P.

6.87

16.2

29 Hl.

6.91

16.6 E.

Mean.....

6.851

15.95

Mag. corr....

0.000

λ Piscis Australis

$\alpha = 22^h \quad 8^m$

$\delta = -28^\circ \quad 15'$

1903

Oct. 19 L.

38.78

44.9 W.

Nov. 9 L.

38.83

45.3

10 Br.

38.83

44.6 W.

1904

Nov. 23 M.

38.89

45.3 E.

30 M.

38.83

45.3 E.

1906

Sept. 21 P.

38.83

45.8 W.

1907

July 7 Hl.

38.78

44.5 E.

25 Hl.

38.84

44.9

Sept. 29 M.

38.85

43.7 E.

1908

July 10 Fk.

38.80

44.3 W.

Mean.....

38.826

44.86

Mag. corr....

-0.002

B. D. -5° 5738

$\alpha = 22^h \quad 8^m$

$\delta = -4^\circ \quad 56'$

1904

July 14 Ei.Y.

39.10

46.4 W.

16 Ei.Y.

39.15

46.2 W.

Oct. 14 Ei.M.

39.12

46.8 E.

1906

Oct. 6 Ei.P.

39.17

46.6 W.

Mean.....

39.135

46.50

Mag. corr....

+0.008

B. D. -19° 6249

$\alpha = 22^h \quad 8^m$

$\delta = -19^\circ \quad 44'$

1904

July 6 Ei.Y.

51.48

35.3 W.

18 Ei.Y.

51.45

35.8 W.

Oct. 15 Ei.M.

51.41

35.4 E.

1906

Sept. 25 Ei.Y.

51.51

34.4 W.

Mean.....

51.462

35.22

Mag. corr....

+0.010

B. D. -16° 6046

$\alpha = 22^h \quad 9^m$

$\delta = -16^\circ \quad 18'$

1903

Sept. 3 Ei.Y.

13.49

18.6 W.

5 Ei.Y.

13.38

18.7 W.

1904

Oct. 13 Ei.Y.

13.38

18.1 E.

1906

Sept. 20 Ei.Y.

13.40

19.1 W.

Mean.....

13.412

18.62

Mag. corr....

+0.016

1 H. Lacertae

$\alpha = 22^h \quad 9^m$

$\delta = +39^\circ \quad 13'$

1903

Nov. 12 L.

35.10

9.2 W.

1904

Nov. 3 Y.

35.13

8.5 E.

5 Y.

35.16

8.5

7 M.

35.17

7.0

14 M.

35.12

7.1

16 M.

35.14

7.0 E.

1908

July 6 P.

35.13

8.1 W.

8 M.

35.20

8.4

13 P.

35.16

9.2

15 M.

35.19

7.9 W.

Mean.....

35.150

8.09

Mag. corr....

+0.004

B. D. -17° 6478

$\alpha = 22^h \quad 10^m$

$\delta = -17^\circ \quad 42'$

1903

Sept. 12 Ei.Y.

50.28

11.5 W.

14 Ei.Y.

50.27

11.2 W.

1904

Oct. 18 Ei.Y.

50.32

11.4 E.

1906			1904			B. D. -18° 6096			1904			
Sept. 8	Ei.Y.	50.33	10.5 W.	Aug. 11	Ei.Y.	0.00	+0.4 W.	$\alpha = 22^h 12^m$	Oct. 15	Ei.M.	55.86	24.3 E.
Mean.....		50.300	11.15	12	Ei.Y.	-0.02	+0.9	$\delta = -18^\circ 39'$	1906			
Mag. corr....		-0.006		15	Ei.Y.	+0.05	+0.6 W.		Sept. 25	Ei.Y.	55.89	23.6 W.
B. D. -12° 6227			Sept. 7	Ei.Y.	+0.07	+0.2 E.		1903	Mean.....		55.870	23.72
$\alpha = 22^h 11^m$			Oct. 1	Ei.Y.	+0.09	0.0		Sept. 3	Ei.Y.		5.53	41.9 W.
$\delta = -12^\circ 8'$			5	Ei.Y.	+0.07	+0.4		5	Ei.Y.		5.53	41.7 W.
1903			14	Ei.M.	+0.07	+0.4		1904				
Sept. 10	Ei.Y.	25.19	48.3 W.	22	Ei.M.	+0.10	+0.2 E.	Oct. 18	Ei.Y.		5.58	41.3 E.
11	Ei.Y.	25.20	48.0 W.	1905				1906				
1904			Sept. 9	Bs.	+0.04	+0.3 W.		Sept. 8	Ei.Y.		5.58	40.3 W.
Oct. 17	Ei.Y.	25.18	47.5 E.	22	Hl.	+0.06	+0.6	Mean.....		5.555	41.30	
1906			1906					Mag. corr....		-0.001		
Oct. 11	Ei.P.	25.25	47.2 W.	July 6	Bs.	+0.10	+0.5	B. D. -10° 5879				
Mean.....		25.205	47.75	Sept. 3	Hl.	+0.03	-0.3	$\alpha = 22^h 12^m$				
Mag. corr....		+0.009		19	Ei.Y.	+0.05	+0.4	$\delta = -10^\circ 14'$				
B. D. -13° 6148			Oct. 13	Ei.P.	+0.02	0.0		1903				
$\alpha = 22^h 11^m$			15	Hl.	+0.02	+0.3 W.		Sept. 12	Ei.Y.		31.86	26.8 W.
$\delta = -13^\circ 19'$			1907					14	Ei.Y.		31.89	26.5 W.
1903			July 8	M.	+0.06	0.0 E.		1904				
Sept. 18	Ei.Y.	26.81	47.9 W.	16	Hl.	+0.06	+0.3	Oct. 17	Ei.Y.		31.90	26.6 E.
22	Ei.Y.	26.91	49.0	21	M.	+0.04	+0.1	1906				
28	Ei.Y.	26.84	47.7 W.	22	Hl.	+0.09	+0.7	Oct. 8	Ei.P.		31.92	26.4 W.
1904			Oct. 1	Hl.	+0.07	+0.1		Mean.....		31.892	26.58	
Oct. 19	Ei.M.	26.88	47.4 E.	2	P.	+0.07	-0.4	Mag. corr....		-0.006		
1906			3	P.	+0.08	-0.3		B. D. -14° 6255				
Sept. 6	Ei.Y.	26.83	47.7 W.	5	P.	+0.01	+1.0	$\alpha = 22^h 13^m$				
Mean.....		26.854	47.94	8	P.	+0.04	+0.4	$\delta = -13^\circ 48'$				
Mag. corr....		-0.006		9	M.	+0.04	+0.6	1903				
B. D. -15° 6180			12	M.	+0.05	+0.8		Sept. 10	Ei.Y.		38.79	20.7 W.
$\alpha = 22^h 11^m$			13	Hl.	+0.05	+0.6		11	Ei.Y.		38.73	20.2 W.
$\delta = -15^\circ 9'$			19	P.	+0.09	+0.7		1904				
1903			23	P.	+0.08	+0.4		Sept. 7	Ei.Y.		38.85	19.9 E.
Sept. 19	Ei.Y.	33.02	18.0 W.	25	P.	+0.06	-0.7	1906				
21	Ei.Y.	33.02	18.7 W.	Nov. 4	Ei.M.	+0.05	+0.8 E.	Sept. 6	Ei.Y.		38.81	20.1 W.
1904			1908					Mean.....		38.795	20.22	
Oct. 10	Ei.Y.	33.08	18.3 E.	July 16	P.	+0.07	+0.5 W.	Mag. corr....		+0.022		
1906			20	P.	+0.04	+0.5		B. D. -17° 6491				
Sept. 24	Ei.Y.	33.10	18.2 W.	Aug. 28	P.	+0.05	... W.	$\alpha = 22^h 14^m$				
Mean.....		33.055	18.30	1909				$\delta = -17^\circ 12'$				
Mag. corr....		+0.010		July 6	L.	+0.07	+0.3 E.	1903				
θ Aquarii			Aug. 20	P.	+0.10	+0.4 E.		Sept. 15	Ei.Y.		9.09	12.4 W.
$\alpha = 22^h 11^m$			Mean.....		+0.051	+0.34		18	Ei.Y.		9.05	12.5
$\delta = -8^\circ 16' 52'' .57$			Mag. corr....		+0.005			22	Ei.Y.		9.07	13.2 W.
1903			B. D. -9° 5948					1904				
Sept. 6	R.	+0.06	+1.6 W.	$\alpha = 22^h 11^m$				Oct. 10	Ei.Y.		9.06	12.9 E.
24	Ei.Y.	0.00	+1.2	$\delta = -9^\circ 32'$				1906				
25	Ei.Y.	+0.03	+0.6	1904				Sept. 24	Ei.Y.		9.08	12.7 W.
Oct. 4	L.	+0.06	+0.5	July 14	Ei.Y.	35.85	17.4 W.	Mean.....		9.070	12.74	
14	R.	+0.04	+0.5	16	Ei.Y.	35.84	17.4 W.	Mag. corr....		+0.007		
15	L.	+0.06	0.0	Oct. 15	Ei.M.	35.82	18.0 E.	B. D. -4° 5655				
19	L.	+0.01	+0.1	1906				$\alpha = 22^h 14^m$				
20	Br.	+0.08	-0.8	Sept. 25	Ei.Y.	35.83	17.2 W.	$\delta = -4^\circ 34'$				
22	L.	-0.02	+0.1	Mean.....		35.835	17.50	1903				
28	R.	+0.05	+0.9	Mag. corr....		+0.022		Sept. 19	Ei.Y.		37.43	2.8 W.
Nov. 21	Br.	+0.06	-0.2	B. D. -6° 5960				21	Ei.Y.		37.50	3.9 W.
26	L.	+0.02	+1.4	$\alpha = 22^h 11^m$				1904				
1904			$\delta = -5^\circ 53'$					Oct. 14	Ei.M.		37.52	2.8 E.
July 11	Br.	+0.07	+0.5	1904				1906				
12	M.	+0.06	+0.8	July 6	Ei.Y.	53.32	10.4 W.	Oct. 11	Ei.P.		37.49	2.4 W.
17	M.	-0.01	+0.6	18	Ei.Y.	53.31	10.9 W.	Mean.....		37.485	2.98	
20	M.	+0.09	+0.4	Oct. 13	Ei.Y.	53.32	10.9 E.	Mag. corr....		+0.002		
25	Br.	+0.07	+0.2	1906				B. D. -12° 6243				
26	T.	+0.05	+0.1	Sept. 20	Ei.Y.	53.34	10.8 W.	$\alpha = 22^h 14^m$				
30	Ei.Y.	+0.14	+0.2	Mean.....		53.322	10.75	$\delta = -12^\circ 43'$				
31	M.	+0.04	+0.5	Mag. corr....		-0.008		1903				
Aug. 3	Ei.Y.	+0.05	+0.2	B. D. -12° 6243				Sept. 24	Ei.Y.		55.89	23.0 W.
6	Ei.Y.	0.00	+0.4 W.	$\alpha = 22^h 14^m$				25	Ei.Y.		55.84	24.0 W.
				$\delta = -12^\circ 43'$								

1906			1908			B. D. -15° 6208			1906		
Oct. 8	Ei.P.	9.86 46.5 W.	July 10	Fk.	35.70 5.9 W.	$\alpha = 22^h 17^m$			Sept. 6	Ei.Y.	8.48 57.4 W.
			15	M.	35.77 5.6 W.	$\delta = -15^\circ 27'$					
Mean.....		9.860 46.42	Mean.....		35.765 5.57				Mean.....		8.462 57.48
Mag. corr....		+0.006	Mag. corr....		+0.001				Mag. corr....		-0.001
γ Aquarii			32 Pegasi			1903			3 Lacertæ		
$\alpha = 22^h 16^m 29^s.539$			$\alpha = 22^h 16^m$			Sept. 18	Ei.Y.	58.16 6.4 W.	$\alpha = 22^h 19^m 37^s.604$		
$\delta = -1^\circ 53' 28''.30$			$\delta = -27^\circ 49'$			22	Ei.Y.	58.15 7.3	$\delta = +51^\circ 43' 39''.72$		
1903			1905			29	Ei.Y.	58.13 6.9 W.	1903		
Sept. 3	Ei.Y.	0.00 -0.5 W.	Sept. 8	Hl.	42.26 37.2 W.	1904			Oct. 22	L.	+0.07 0.0 W.
Nov. 9	L.	+0.02 +0.1	9	Bs.	42.25 37.1	Oct. 14	Ei.M.	58.13 6.2 E.	26	L.	+0.02 -0.6
10	Br.	+0.01 +0.1	1906			Mean.....		58.146 6.66	27	Br.	+0.01 +0.2
12	L.	+0.03 +1.0	Sept. 21	P.	42.32 36.3 W.	Mag. corr....		+0.010	29	L.	-0.06 -0.5
21	Br.	+0.08 +0.1	1907			B. D. -7° 5765			Nov. 3	Br.	0.00 +0.4
26	L.	+0.05 +1.2	Oct. 17	M.	42.27 36.7 E.	$\alpha = 22^h 18^m$			6	Br.	-0.02 -0.3
1904			21	M.	42.28 36.7	$\delta = -7^\circ 42'$			7	R.	+0.02 +0.3
July 6	Ei.Y.	+0.08 +0.3	29	Hl.	42.36 37.3	1903			12	L.	+0.05 +0.8
7	Br.	+0.02 +0.8	30	P.	42.23 37.4	Sept. 19	Ei.Y.	17.48 0.9 W.	1904		
Aug. 11	Ei.Y.	+0.07 -0.1	Nov. 17	Hl.	42.28 37.4 E.	21	Ei.Y.	17.48 1.1 W.	July 17	M.	-0.11 +0.9 W.
12	Ei.Y.	+0.08 +1.0	1908			1904			1907		
15	Ei.Y.	+0.09 +1.0 W.	July 13	P.	42.27 36.9 W.	Oct. 15	Ei.M.	17.48 0.8 E.	Oct. 23	P.	+0.04 +0.3 E.
Sept. 23	M.	0.00 +0.2 E.	Nov. 21	L.	42.31 37.1 W.	1906			24	M.	-0.04 0.0
26	M.	+0.04 -0.1	Mean.....		42.283 37.01	Sept. 25	Ei.Y.	17.53 0.1 W.	25	P.	+0.03 +0.4
Oct. 5	Ei.Y.	+0.07 0.0	Mag. corr....		+0.001	Mean.....		17.492 0.72	Nov. 5	Hl.	-0.03 +0.3
7	Br.	+0.05 +0.3	B. D. -11° 5817			Mag. corr....		+0.022	11	M.	-0.07 -0.1 E.
16	Br.	+0.08 +1.8	$\alpha = 22^h 16^m$			B. D. -10° 5904			Mean.....		-0.006 +0.18
19	Ei.M.	+0.03 +1.1	$\delta = -11^\circ 21'$			$\alpha = 22^h 18^m$			Mag. corr....		+0.003
27	Y.	+0.10 +0.1	1903			$\delta = -10^\circ 42'$			π Aquarii		
29	Y.	+0.08 +1.2	Sept. 12	Ei.Y.	53.36 6.7 W.	1903			$\alpha = 22^h 20^m 10^s.206$		
31	M.	0.00 +0.4	14	Ei.Y.	53.35 6.4 W.	Sept. 24	Ei.Y.	50.24 10.3 W.	$\delta = +0^\circ 52' 11''.47$		
Nov. 1	Br.	+0.05 +0.5	1904			25	Ei.Y.	50.28 10.9 W.	1903		
3	Y.	+0.03 +0.1	Sept. 7	Ei.Y.	53.37 6.6 E.	Oct. 13	Ei.Y.	50.26 10.9 E.	Sept. 3	Ei.Y.	+0.03 +0.1 W.
5	Y.	+0.04 +0.4	1906			1906			5	Ei.Y.	+0.06 -0.2
7	M.	+0.03 +0.6	Sept. 6	Ei.Y.	53.32 6.6 W.	Sept. 20	Ei.Y.	50.29 11.6 W.	Oct. 4	L.	+0.03 +0.3
14	M.	+0.04 0.0	Mean.....		53.350 6.58	Mean.....		50.268 10.92	14	R.	+0.02 +0.4
15	Br.	+0.03 +0.8	Mag. corr....		+0.001	Mag. corr....		+0.008	15	L.	+0.04 0.0
16	M.	+0.04 +0.4 E.	2 Lacertæ			B. D. -5° 5780			19	L.	0.00 +0.2
1905			$\alpha = 22^h 16^m$			$\alpha = 22^h 18^m$			20	Br.	-0.02 -0.8
Sept. 4	Hl.	+0.02 +0.3 W.	$\delta = +46^\circ 1'$			$\delta = -5^\circ 20'$			21	R.	+0.03 +0.6
15	Hl.	+0.05 -	1907			1904			Nov. 4	R.	+0.02 -0.3
18	Hl.	0.00 +1.1	July 26	P.	53.65 58.9 E.	July 16	Ei.Y.	54.50 33.7 W.	9	L.	+0.09 -0.1
25	Bs.	+0.06 +0.3	Sept. 20	P.	53.62 59.4	30	Ei.Y.	54.42 34.5 W.	21	Br.	0.00 +0.5
26	Hl.	+0.03 +1.2	Nov. 5	Hl.	53.70 58.6	Oct. 17	Ei.Y.	54.40 34.5 E.	1904		
29	Bs.	+0.06 -0.3	11	M.	53.60 59.0	1906			July 6	Ei.Y.	+0.12 +0.8
Oct. 7	Bs.	+0.06 +1.0	27	Hl.	53.63 59.5 E.	Sept. 8	Ei.Y.	54.43 34.2 W.	10	R.	+0.09 +1.2 W.
13	Br.	+0.01 -0.3	1908			Mean.....		54.438 34.22	Sept. 15	Ei.Y.	+0.02 +0.2 E.
23	Hl.	+0.06 +0.2	July 18	P.	53.67 59.4 W.	Mag. corr....		-0.008	23	M.	-0.01 0.0
1906			30	P.	53.63 58.5	B. D. -14° 6276			26	M.	0.00 -0.2
Sept. 20	Ei.Y.	+0.06 +0.6	Aug. 2	P.	53.70 59.1	$\alpha = 22^h 19^m$			Oct. 7	Br.	+0.05 +0.7
Oct. 13	Ei.P.	+0.06 -0.1 W.	Sept. 6	P.	53.67 58.8	$\delta = -14^\circ 2'$			16	Br.	+0.10 +1.5
1907			8	P.	53.72 58.5	1904			19	Ei.M.	+0.05 +1.0
July 22	Hl.	+0.07 +0.5 E.	14	M.	53.65 59.0 W.	July 18	Ei.Y.	5.81 10.3 W.	27	Y.	+0.07 +1.2
Nov. 4	Ei.M.	+0.06 +1.0 E.	Mean.....		53.658 58.97	29	Ei.Y.	5.81 9.9 W.	29	Y.	+0.07 +0.8
1908			Mag. corr....		+0.001	Oct. 18	Ei.Y.	5.84 10.1 E.	31	M.	+0.03 +0.7
Aug. 28	P.	+0.04 -	B. D. -4° 5663			1906			Nov. 1	Br.	+0.03 +1.5
Nov. 27	P.	+0.02 +0.4 W.	$\alpha = 22^h 17^m$			Oct. 11	Ei.P.	5.76 9.8 W.	3	Y.	+0.03 +0.5
Mean.....		+0.045 +0.47	$\delta = -4^\circ 14'$			Mean.....		5.805 10.02	5	Y.	+0.10 +0.5
Mag. corr....		-0.007	1903			Mag. corr....		-0.009	14	M.	+0.06 +0.2
31 Pegasi			Sept. 10	Ei.Y.	26.24 28.4 W.	B. D. -18° 6114			16	M.	+0.04 +0.4 E.
$\alpha = 22^h 16^m$			11	Ei.Y.	26.22 28.6 W.	$\alpha = 22^h 19^m$			1905		
$\delta = +11^\circ 42'$			1904			$\delta = -18^\circ 5'$			Sept. 8	Hl.	+0.04 +1.5 W.
1906			Oct. 10	Ei.Y.	26.30 28.5 E.	1904			12	Bs.	+0.05 +1.2
Oct. 12	Hl.	35.76 5.3 W.	Sept. 24	Ei.Y.	26.27 27.9 W.	Aug. 3	Ei.Y.	8.42 57.0 W.	15	Hl.	+0.04 +0.7
1907			Mean.....		26.258 28.35	6	Ei.Y.	8.48 58.0 W.	18	Hl.	+0.02 +0.6
July 7	Hl.	35.74 5.5 E.	Mag. corr....		-0.001	Sept. 7	Ei.Y.	8.47 57.5 E.	22	Hl.	-0.03 +0.7
Oct. 8	P.	35.73 5.8	B. D. -15° 6208			1906			26	Hl.	+0.04 +1.1
9	M.	35.76 6.1	$\alpha = 22^h 17^m$			Mean.....		5.805 10.02	27	Bs.	-0.02 +1.3
12	M.	35.82 5.4	$\delta = -15^\circ 27'$			1904			28	Hl.	+0.03 +0.5
19	P.	35.79 5.8	1903			Aug. 3	Ei.Y.	8.42 57.0 W.	29	Bs.	0.00 +1.0
Nov. 7	M.	35.76 5.4 E.	Sept. 10	Ei.Y.	26.24 28.4 W.	6	Ei.Y.	8.48 58.0 W.	Oct. 4	Bs.	0.00 +0.5
1908			11	Ei.Y.	26.22 28.6 W.	Sept. 7	Ei.Y.	8.47 57.5 E.	5	Hl.	0.00 +0.2
July 6	P.	35.78 5.4 W.	Mean.....		26.258 28.35	1906			6	Br.	+0.08 +0.8
8	M.	35.80 5.1 W.	Mag. corr....		-0.001	1904			7	Bs.	+0.01 +1.8

1905 Oct. 9 Hl. +0.06 +1.5 W. 13 Br. +0.07 0.0		B. D. -17° 6521 $\alpha = 22^h 21^m$ $\delta = -17^\circ 15'$	1906 Oct. 8 Ei.P. 30.52 30.5 W. Mean..... 30.490 29.88 Mag. corr.... -0.006	1907 July 16 Hl. 41.07 54.2 E. 21 M. 41.04 53.8 Aug. 1 Hl. 41.13 53.9 Sept. 20 P. 54.1 Oct. 21 M. 41.09 53.2 29 Hl. 41.17 54.0 Nov. 27 Hl. 41.09 54.4 E. Mean..... 41.071 54.03 Mag. corr.... -0.004
1906 Oct. 15 Hl. -0.01 +0.7 W.		1903 Sept. 21 Ei.Y. 8.89 3.3 W. 29 Ei.Y. 8.91 2.6 W.	B. D. -9° 5978 $\alpha = 22^h 21^m$ $\delta = -9^\circ 1'$	B. D. -10° 5929 $\alpha = 22^h 24^m$ $\delta = -10^\circ 10'$
1907 July 21 M. +0.02 +0.9 E. Aug. 6 Hl. +0.07 +1.0 Oct. 1 Hl. +0.04 +1.4 2 P. +0.06 +1.0 3 P. +0.08 +1.0 5 P. +0.08 +1.1 8 P. +0.02 +1.1 9 M. +0.07 +1.1 12 M. +0.05 +1.0 13 Hl. +0.05 +0.6 18 Hl. +0.13 ... 21 M. +0.03 ... 29 Hl. +0.07 ... E.		1904 Oct. 15 Ei.M. 8.89 2.8 E. 1906 Sept. 20 Ei.Y. 8.87 2.4 W. Mean..... 8.890 2.78 Mag. corr.... +0.019	1904 July 14 Ei.Y. 9.8 W. 16 Ei.Y. 31.35 9.5 Aug. 11 Ei.Y. 31.31 10.1 W. Sept. 7 Ei.Y. 31.34 10.4 E. 1906 Sept. 6 Ei.Y. 31.30 10.2 W. Oct. 13 Ei.P. 31.32 10.3 W. 1907 Nov. 4 Ei.M. 31.30 9.5 E. Mean..... 31.320 9.97 Mag. corr.... +0.001	1903 Sept. 10 Ei.Y. 1.83 26.3 W. 11 Ei.Y. 1.82 26.7 W.
1908 July 10 Fk. +0.03 +1.0 W. 15 M. +0.07 +1.0 28 P. 0.00 ... 29 Fk. +0.02 ... Aug. 3 Fk. +0.03 ... 10 Fk. +0.06 ... 28 P. 0.00 ... W.		1905 Aug. 18 Hl. 18.76 18.1 W. 1907 Sept. 29 M. 18.89 17.6 E. Oct. 14 M. 18.89 17.1 16 P. 18.31 17.5 17 M. 18.49 17.7 19 P. 18.11 18.4 E. 1908 July 6 P. 17.87 18.0 W. Sept. 9 Fk. 17.92 17.7 14 M. 17.99 17.1 Nov. 12 M. 18.19 18.3 W. Mean..... 18.342 17.75 Mag. corr.... -0.002	B. D. +37° 4575 $\alpha = 22^h 22^m$ $\delta = +38^\circ 6'$	1903 Sept. 10 Ei.Y. 1.83 26.1 E. 1906 Oct. 11 Ei.P. 1.83 25.9 W. Mean..... 1.830 26.25 Mag. corr.... -0.008
Mean..... +0.040 +0.69 Mag. corr.... +0.003		32 H. Cephei s. p. $\alpha = 22^h 21^m$ $\delta = +85^\circ 36'$	1907 Nov. 13 P. 15.96 52.2 E. 16 P. 15.85 52.4 E. 1908 Nov. 21 L. 15.78 52.6 W. 25 L. 15.84 52.0 W. Mean..... 15.858 52.30 Mag. corr.... -0.002	B. D. -4° 5683 $\alpha = 22^h 24^m$ $\delta = -4^\circ 41'$
B. D. -5° 5790 $\alpha = 22^h 20^m$ $\delta = -5^\circ 41'$		1904 Nov. 21 Br. 17.77 16.9 E. Dec. 7 Br. 17.88 17.7	B. D. -6° 5996 $\alpha = 22^h 22^m$ $\delta = -6^\circ 24'$	1903 Sept. 15 Ei.Y. 12.28 58.0 W. 18 Ei.Y. 12.23 57.9 22 Ei.Y. 12.27 58.5 W.
1903 Sept. 12 Ei.Y. 54.10 9.6 W. 14 Ei.Y. 54.14 9.2 W.		1905 Apr. 25 Br. 18.18 17.9 E. Nov. 23 Br. 18.79 ... W. Dec. 19 Bs. (16.73) 17.8 W.	1904 Aug. 3 Ei.Y. 38.40 55.4 W. 6 Ei.Y. 38.38 56.2 W. Sept. 15 Ei.Y. 38.43 56.3 E. 1906 Sept. 24 Ei.Y. 38.42 56.2 W. Mean..... 38.408 56.02 Mag. corr.... -0.001	1904 Oct. 18 Ei.Y. 12.27 58.3 E. 1906 Sept. 20 Ei.Y. 12.22 57.7 W. Mean..... 12.254 58.08 Mag. corr.... -0.012
1904 Oct. 10 Ei.Y. 54.08 9.5 E.		1908 Mar. 9 M. 18.48 17.6 E. 25 P. 19.05 17.7 E. Nov. 26 P. 18.32 18.8 W. Dec. 7 P. 18.49 18.0 8 L. 18.92 17.5 9 M. 18.11 17.6 W.	B. D. -16° 6092 $\alpha = 22^h 23^m$ $\delta = -16^\circ 39'$	B. D. -13° 6204 $\alpha = 22^h 24^m$ $\delta = -13^\circ 25'$
1906 Sept. 24 Ei.Y. 54.16 9.4 W.		Mean..... 18.399 17.75 Mag. corr.... -0.002	1904 Oct. 10 Ei.Y. 30.40 45.6 E. 1906 Oct. 13 Ei.P. 30.42 45.5 W. Mean..... 30.370 45.65 Mag. corr.... -0.006	1903 Sept. 19 Ei.Y. 40.78 37.7 W. 21 Ei.Y. 40.72 38.0 W.
Mean..... 54.120 9.42 Mag. corr.... +0.008		B. D. -11° 5833 $\alpha = 22^h 21^m$ $\delta = -11^\circ 44'$	5 Aquarii (mean) $\alpha = 22^h 23^m$ $\delta = -0^\circ 31'$	1904 Oct. 17 Ei.Y. 40.78 37.3 E. 1906 Sept. 8 Ei.Y. 40.82 37.0 W. Mean..... 40.775 37.50 Mag. corr.... +0.021
B. D. -3° 5443 $\alpha = 22^h 21^m$ $\delta = -3^\circ 17'$		1903 Sept. 24 Ei.Y. 23.03 10.1 W. 25 Ei.Y. 23.03 10.6 W.	1903 Sept. 12 Ei.Y. 30.34 46.0 W. 14 Ei.Y. 30.32 45.5 W.	B. D. -15° 6231 $\alpha = 22^h 24^m$ $\delta = -15^\circ 5'$
1904 Oct. 14 Ei.M. 4.37 42.5 E.		1904 Oct. 17 Ei.Y. 23.06 11.9 E.	1904 Oct. 10 Ei.Y. 30.40 45.6 E.	1903 Sept. 24 Ei.Y. 55.85 47.1 W. 25 Ei.Y. 55.86 48.9 W.
1906 Oct. 6 Ei.P. 4.40 42.2 W.		1906 Sept. 8 Ei.Y. 23.01 11.2 W.	Mean..... 30.370 45.65 Mag. corr.... -0.006	1904 Oct. 13 Ei.Y. 55.85 48.5 E. 1906 Oct. 8 Ei.P. 55.87 49.9 W.
Mean..... 4.382 42.62 Mag. corr.... +0.012		Mean..... 23.032 10.95 Mag. corr.... +0.012		Mean..... 55.858 48.60 Mag. corr.... +0.019
B. D. -17° 6520 $\alpha = 22^h 21^m$ $\delta = -17^\circ 14'$		B. D. -12° 6271 $\alpha = 22^h 21^m$ $\delta = -11^\circ 51'$	1903 Nov. 9 L. 41.06 54.5 W. 10 Br. 41.06 54.0 12 L. 41.03 53.8	B. D. -5° 5806 $\alpha = 22^h 25^m$ $\delta = -5^\circ 19'$
1903 Sept. 18 Ei.Y. 8.48 57.6 W. 22 Ei.Y. 8.49 58.1 28 Ei.Y. 8.45 57.5 W.		1904 July 18 Ei.Y. 30.50 29.8 W. 29 Ei.Y. 30.48 29.6 W. Oct. 13 Ei.Y. 30.46 29.6 E.	1904 July 11 Br. 41.04 54.7 12 M. 41.00 53.8 W.	1904 July 14 Ei.Y. 15.27 48.6 W. 16 Ei.Y. 15.27 48.5 W.
1904 Oct. 15 Ei.M. 8.51 58.2 E.				
1906 Sept. 25 Ei.Y. 8.56 56.7 W.				
Mean..... 8.498 57.62 Mag. corr.... +0.016				

1904			1908			1906			1905		
Sept. 7	Ei.Y.	15.30 48.7 E.	July 18	P.	+0.03 -0.2 W.	July 6	Bs.	49.44 31.0 W.	Oct. 6	Br.	-0.08 +1.0 W.
1906			29	Fk.	+0.02	Oct. 15	Hl.	49.38 30.8 W.	8	Bs.	-0.09 +0.8
Sept. 6	Ei.Y.	15.28 48.7 W.	30	P.	+0.03 -0.2	1907			9	Hl.	-0.12 +0.3 W.
Mean.....		15.280 48.62	Aug. 2	P.	+0.06 +0.2	Sept. 21	P.	49.38 31.3 E.	1907		
Mag. corr....		+0.001	4	P.	+0.03 -0.6	Nov. 7	M.	49.34 30.9	July 21	M.	-0.05 +0.8 E.
B. D. -8° 5888 (pr.)			9	P.	+0.02 0.0	11	M.	49.34 31.9 E.	Aug. 6	Hl.	+0.03 +0.9
$\alpha = 22^h 25^m$			28	P.	-0.03	1908			Sept. 29	M.	+0.01 +0.7
$\delta = -8^\circ 37'$			Sept. 6	P.	+0.04 -0.5	July 10	Fk.	49.38 30.2 W.	Oct. 17	M.	-0.05 +0.8
1904			8	P.	+0.02 +0.4 W.	13	P.	49.35 32.4	23	P.	+0.10 +0.4 E.
July 18	Ei.Y.	17.14 29.6 W.	1909			15	M.	49.50 31.2 W.	Mean.....		-0.050 +0.71
29	Ei.Y.	17.20 29.7 W.	July 6	L.	-0.05 -0.1 E.	Mean.....		49.380 31.13	Mag. corr....		-0.006
Sept. 15	Ei.Y.	17.22 30.5 E.	Aug. 2	L.	0.00 +0.4	B. D. -7° 5797			B. D. -10° 5947		
1906			Sept. 14	P.	+0.04 -0.1	$\alpha = 22^h 26^m$			$\alpha = 22^h 28^m$		
Sept. 24	Ei.Y.	17.19 29.5 W.	26	P.	+0.07 -0.3	$\delta = -7^\circ 3'$			$\delta = -10^\circ 7'$		
Mean.....		17.188 29.82	28	P.	0.00 +0.8	1903			1903		
Mag. corr....		-0.008	Oct. 22	M.	+0.02 +0.8	Sept. 12	Ei.Y.	3.67 55.7 W.	Sept. 19	Ei.Y.	50.57 27.1 W.
B. D. -8° 5888 (fol.)			Nov. 20	L.	+0.05 -0.1	14	Ei.Y.	3.78 55.6 W.	21	Ei.Y.	50.62 27.9 W.
$\alpha = 22^h 25^m$			21	P.	+0.03 -0.4	1904			1904		
$\delta = -8^\circ 37'$			22	M.	+0.02 -0.5	Oct. 14	Ei.M.	3.73 55.7 E.	Oct. 13	Ei.Y.	50.64 26.4 E.
1904			Dec. 2	M.	+0.03 +0.2	1906			1906		
July 18	Ei.Y.	17.44 36.8 W.	4	L.	+0.03 +0.5	Sept. 25	Ei.Y.	3.76 54.6 W.	Oct. 11	Ei.P.	50.61 25.7 W.
29	Ei.Y.	17.41 36.8 W.	1910			Mean.....		3.735 55.40	Mean.....		50.610 26.78
Sept. 15	Ei.Y.	17.44 37.5 E.	Sept. 17	L.	+0.04 +0.4	Mag. corr....		+0.021	Mag. corr....		+0.014
1906			Nov. 11	P.	+0.02 +1.3	B. D. +39° 4856			B. D. -2° 5781		
Sept. 24	Ei.Y.	17.45 37.1 W.	26	L.	+0.02 +0.5	$\alpha = 22^h 26^m$			$\alpha = 22^h 28^m$		
Mean.....		17.435 37.05	Dec. 7	L.	+0.04 +1.0	$\delta = +39^\circ 41'$			$\delta = -2^\circ 5'$		
Mag. corr....		+0.003	8	M.	+0.06 +0.7 E.	1907			1903		
σ Aquarii			Mean.....		+0.029 +0.18	Nov. 13	P.	6.12 16.6 E.	Sept. 24	Ei.Y.	53.70 19.6 W.
$\alpha = 22^h 25^m 21^s.370$			Mag. corr....		+0.001	16	P.	6.13 17.5 E.	25	Ei.Y.	53.68 19.9 W.
$\delta = -11^\circ 11' 23''.02$			38 Pegasi			1908			1904		
1903			$\alpha = 22^h 25^m$			Nov. 21	L.	6.07 16.9 W.	Sept. 7	Ei.Y.	53.72 20.0 E.
Sept. 5	Ei.Y.	-0.02 -0.5 W.	$\delta = +32^\circ 3'$			25	L.	6.02 17.4 W.	1906		
6	R.	+0.01 +0.9	1904			Mean.....		6.085 17.10	Sept. 6	Ei.Y.	53.70 20.3 W.
28	Ei.Y.	+0.07 +0.6	July 10	R.	27.40 39.4 W.	Mag. corr....		0.000	Mean.....		53.700 19.95
29	Ei.Y.	+0.03 -0.2	Nov. 3	Y.	27.37 39.8 E.	B. D. -3° 5460			Mag. corr....		-0.009
Oct. 22	L.	+0.01 -0.3	5	Y.	27.27 39.3	$\alpha = 22^h 26^m$			B. D. -15° 6243		
26	L.	+0.05 -0.2	14	M.	27.36 39.0	$\delta = -3^\circ 25'$			$\alpha = 22^h 29^m$		
27	Br.	+0.08 +0.9	16	M.	27.36 38.8	1903			$\delta = -15^\circ 38'$		
29	L.	+0.02 -0.8	23	M.	27.36 38.9 E.	Sept. 10	Ei.Y.	8.24 24.6 W.	1904		
Nov. 3	Br.	0.00 0.0	1905			11	Ei.Y.	8.25 25.1 W.	July 14	Ei.Y.	5.70 2.8 W.
4	R.	+0.03 -0.1	Sept. 9	Bs.	27.39 38.8 W.	1904			16	Ei.Y.	5.70 2.4 W.
6	Br.	+0.07	Oct. 12	Bs.	27.39 38.4	Oct. 18	Ei.Y.	8.26 25.0 E.	Oct. 10	Ei.Y.	5.70 3.4 E.
7	R.	+0.07 +0.2	21	Bs.	27.37 38.2	1906			1906		
21	Br.	+0.03 -0.1	30	Hl.	27.34 39.2 W.	Sept. 20	Ei.Y.	8.23 24.1 W.	Sept. 24	Ei.Y.	5.74 3.2 W.
1904			Mean.....		27.361 38.98	Mean.....		8.245 24.70	Mean.....		5.710 2.95
July 7	Br.	-0.01 +0.9	Mag. corr....		-0.005	Mag. corr....		+0.020	Mag. corr....		-0.008
20	M.	+0.06 +0.6	δ Cephei			B. D. -11° 5855			ν Aquarii		
25	Br.	+0.04 +0.4	$\alpha = 22^h 25^m$			$\delta = -11^\circ 25'$			$\alpha = 22^h 29^m$		
26	T.	+0.04 0.0	$\delta = +57^\circ 54'$			1903			$\delta = -21^\circ 13'$		
31	M.	+0.04 -0.8	1903			Sept. 15	Ei.Y.	23.25 4.1 W.	1903		
Aug. 3	Ei.Y.	+0.05 +0.2	Oct. 4	L.	27.53 12.1 W.	18	Ei.Y.	23.27 4.4	Oct. 28	R.	13.63 13.7 W.
6	Ei.Y.	+0.01 +0.1 W.	14	R.	27.38 12.2	22	Ei.Y.	23.31 5.3 W.	Nov. 9	L.	13.63 13.9
Sept. 16	Ei.Y.	+0.03 -0.4 E.	19	L.	27.47 11.6	1904			10	Br.	13.60 13.4
Oct. 10	Ei.Y.	+0.04 -0.1	20	Br.	27.39 11.2	Oct. 17	Ei.Y.	23.29 5.0 E.	12	L.	13.63 13.1 W.
19	Ei.M.	+0.06 +0.8 E.	21	R.	27.40 11.5 W.	1906			1904		
1905			1907			Sept. 8	Ei.Y.	23.30 5.0 W.	Nov. 3	Y.	13.57 13.5 E.
Sept. 4	Hl.	+0.01 +0.9 W.	July 8	M.	27.48 11.9 E.	Mean.....		23.284 4.76	5	Y.	13.61 13.7
1906			Oct. 12	M.	27.50 12.1	Mag. corr....		+0.019	14	M.	13.62 14.3
Oct. 6	Ei.P.	+0.05 +0.2	24	M.	27.41 12.0	7 Lacertae			15	Br.	13.62 13.0
11	Ei.P.	+0.01 +0.6 W.	25	P.	27.43 12.1	$\alpha = 22^h 27^m 10^s.367$			16	M.	13.61 14.0 E.
1907			Nov. 5	Hl.	27.51 12.2 E.	$\delta = +49^\circ 46' 5''.88$			1906		
July 7	Hl.	-0.02 +0.9 E.	Mean.....		27.450 11.89	1905			Sept. 3	Hl.	13.60 13.5 W.
22	Hl.	+0.04 +0.3	Mag. corr....		+0.005	Sept. 12	Bs.	-0.11 +0.7 W.	Mean.....		13.612 13.61
25	Hl.	+0.01 +0.4	β Piscis Australis			Oct. 4	Bs.	-0.14 +0.7 W.	Mag. corr....		-0.001
30	P.	+0.03 -0.8	$\alpha = 22^h 25^m$			$\delta = -32^\circ 51'$					
Oct. 2	P.	+0.06 +0.1	$\delta = -32^\circ 51'$			1904					
8	P.	+0.03 0.0	1904			Nov. 28	M.	49.34 30.8 E.			
30	P.	+0.07 +0.8	Nov. 28			30	M.	49.35 30.8 E.			
Nov. 4	Ei.M.	-0.02 +0.5 E.									

B. D. -3° 5472			1907			B. D. -17° 6554			1907		
$\alpha = 22^h 30^m$			Nov. 17 Hl.			$\alpha = 22^h 30^m$			Sept. 20 P.		
$\delta = -2^\circ 46'$			27 Hl.			$\delta = -16^\circ 54'$			Oct. 12 M.		
1904			1908			1903			19 P.		
July 18 Ei.Y.	10.77	25.3 W.	July 6 P.	+0.07	+0.1 W.	Sept. 12 Ei.Y.	44.29	18.6 W.	23 P.	34.67	37.6
29 Ei.Y.	10.82	25.2 W.	15 M.	+0.08	+1.4	14 Ei.Y.	44.31	17.6 W.	24 M.	34.72	38.1
Oct. 10 Ei.Y.	10.78	25.7 E.	16 P.	-0.04	...	1904			25 P.	34.73	38.4
1906			18 P.	+0.02	+1.2	Oct. 17 Ei.Y.	44.30	17.8 E.	1906		
Oct. 8 Ei.P.	10.78	25.7 W.	28 P.	+0.04	...	Oct. 11 Ei.P.	44.33	16.8 W.	Mean.....	34.709	38.28
Mean.....	10.788	25.48	29 Fk.	+0.08	...	Mean.....	44.308	17.70	Mag. corr....	-0.001	
Mag. corr....	-0.006		30 P.	+0.09	+0.7	Mag. corr....	+0.015		B. D. -8° 5912		
η Aquarii			Aug. 2 P.	+0.06	+0.3	$\alpha = 22^h 33^m$			$\delta = -8^\circ 25'$		
$\alpha = 22^h 30^m 13^s.122$			3 Fk.	-0.01	...	B. D. -12° 6315			1903		
$\delta = -0^\circ 37' 58''.93$			4 P.	0.00	+0.1	$\alpha = 22^h 31^m$			Sept. 28 Ei.Y.	7.45	1.4 W.
1903			9 P.	+0.11	+0.9	$\delta = -12^\circ 14'$			29 Ei.Y.	7.42	0.8 W.
Sept. 28 Ei.Y.	+0.06	+0.3 W.	10 Fk.	+0.02	...	1903			1904		
29 Ei.Y.	+0.14	+0.4	Nov. 21 L.	+0.06	+0.3	Sept. 10 Ei.Y.	48.01	56.5 W.	Sept. 16 Ei.Y.	7.50	1.7 E.
Oct. 4 L.	+0.04	-0.2	25 L.	+0.02	+0.8 W.	11 Ei.Y.	48.00	57.0 W.	1906		
14 R.	+0.03	-0.4	Mean.....	+0.039	+0.40	Oct. 13 Ei.Y.	48.02	55.6 E.	Oct. 6 Ei.P.	7.47	0.6 W.
19 L.	+0.01	-0.3	Mag. corr....	+0.007		1906			Mean.....	7.460	1.12
20 Br.	+0.04	-0.1	B. D. -18° 6154			Sept. 8 Ei.Y.	48.12	56.5 W.	Mag. corr....	+0.019	
21 R.	+0.03	-0.2	$\alpha = 22^h 30^m$			Mean.....	48.038	56.40	49 G. Piscis Australis		
22 L.	+0.05	-0.7	$\delta = -17^\circ 58'$			Mag. corr....	+0.003		$\alpha = 22^h 33^m$		
26 L.	+0.02	-0.2	1904			B. D. -6° 6034			$\delta = -33^\circ 36'$		
Nov. 21 Br.	+0.02	-0.1	Aug. 3 Ei.Y.	25.83	35.0 W.	$\alpha = 22^h 32^m$			1903		
1904			6 Ei.Y.	25.82	35.8 W.	$\delta = -6^\circ 35'$			Nov. 9 L.	12.57	5.5 W.
July 7 Br.	+0.03	+1.0	Oct. 14 Ei.M.	25.79	35.5 E.	1903			10 Br.	12.60	5.3
11 Br.	+0.03	+0.9	1906			Sept. 15 Ei.Y.	5.35	7.0 W.	1906		
12 M.	+0.06	+0.8	Sept. 25 Ei.Y.	25.84	34.1 W.	18 Ei.Y.	5.37	7.1	July 6 Bs.	12.63	6.0
20 M.	+0.03	+0.3	Mean.....	25.820	35.10	28 Ei.Y.	5.36	7.0 W.	Oct. 15 Hl.	12.62	5.3 W.
25 Br.	+0.03	+1.2	Mag. corr....	+0.014		1904			1907		
26 T.	+0.07	+0.9	226 B. Cephei			Sept. 15 Ei.Y.	5.35	7.7 E.	July 25 Hl.	12.65	5.9 E.
31 M.	+0.08	+0.2 W.	$\alpha = 22^h 30^m 31^s.060$			Oct. 8 Ei.P.	5.42	7.3 W.	Oct. 21 M.	12.67	6.4
Sept. 15 Ei.Y.	+0.04	+0.4 E.	$\delta = +75^\circ 42' 39''.79$			Mean.....	5.370	7.22	29 Hl.	12.71	5.3
16 Ei.Y.	+0.08	-0.6	1904			Mag. corr....	+0.001		30 P.	12.67	5.1
Oct. 18 Ei.Y.	0.00	+0.2	Sept. 23 M.	+0.09	-0.6 E.	B. D. -14° 6317			Nov. 7 M.	12.63	6.3 E.
19 Ei.M.	+0.04	+1.2	Oct. 16 Br.	-0.04	-0.5	$\alpha = 22^h 32^m$			1908		
Nov. 2 M.	+0.06	...	27 Y.	-0.01	-1.4	$\delta = -13^\circ 53'$			July 6 P.	12.59	5.5 W.
23 M.	0.00	+0.2	29 Y.	+0.14	-1.0	1903			Sept. 6 P.	12.70	6.2 W.
26 Y.	+0.08	+0.2	31 M.	-0.10	0.0 E.	Sept. 19 Ei.Y.	34.38	22.4 W.	Mean.....	12.640	5.71
28 M.	+0.02	+0.3	1905			21 Ei.Y.	34.25	22.7 W.	Mag. corr....	-0.002	
30 M.	+0.02	+0.5 E.	Oct. 21 Bs.	-0.11	-0.5 W.	1904			B. D. -14° 6320		
1905			1906			Oct. 17 Ei.Y.	34.38	22.3 E.	$\alpha = 22^h 33^m$		
Sept. 8 Hl.	+0.07	+0.8 W.	Sept. 21 P.	-0.08	-0.2	1906			$\delta = -14^\circ 35'$		
9 Bs.	+0.05	+0.6	1908			Sept. 6 Ei.Y.	34.34	21.9 W.	1904		
12 Bs.	+0.06	+0.4	July 10 Fk.	-0.09	+0.5	Mean.....	34.338	22.32	July 18 Ei.Y.	14.69	13.1 W.
27 Bs.	-0.08	+0.2	13 P.	+0.17	-0.1 W.	Mag. corr....	-0.008		29 Ei.Y.	14.70	12.4 W.
Oct. 4 Bs.	+0.08	-0.2	Mean.....	-0.003	-0.42	κ Aquarii			Oct. 10 Ei.Y.	14.69	13.0 E.
5 Hl.	+0.04	+0.2	Mag. corr....	-0.006		$\alpha = 22^h 32^m$			1906		
6 Br.	+0.04	+0.6	226 B. Cephei s. p.			$\delta = -4^\circ 44'$			Sept. 25 Ei.Y.	14.74	11.4 W.
8 Bs.	+0.02	+0.2	$\alpha = 22^h 30^m 31^s.054$			1903			Mean.....	14.705	12.48
12 Bs.	+0.04	+0.2	$\delta = +75^\circ 42' 39''.79$			Sept. 24 Ei.Y.	34.73	(36.4) W.	Mag. corr....	+0.005	
1906			1906			25 Ei.Y.	34.73	37.6	31 Cephei		
Sept. 6 Ei.Y.	+0.02	+0.4	Apr. 16 Bs.	+0.14	+0.5 W.	Oct. 27 Br.	34.73	37.5	$\alpha = 22^h 33^m$		
8 Ei.Y.	+0.04	0.0	23 Bs.	-0.21	+0.8	29 L.	34.71	39.0	$\delta = +73^\circ 7'$		
20 Ei.Y.	+0.02	+0.5	30 Bs.	+0.22	+0.4	Nov. 3 Br.	34.74	38.2	1905		
24 Ei.Y.	+0.03	+0.1	May 1 Br.	+0.29	-0.2 W.	4 R.	34.72	38.7	Sept. 18 Hl.	18.05	27.2 W.
Oct. 13 Ei.P.	+0.10	+0.2 W.	1907			6 Br.	34.74	...	26 Hl.	18.25	27.3
1907			Nov. 24 M.	+0.08	+0.3 E.	7 R.	34.74	38.6	29 Bs.	18.27	27.4
July 8 M.	-0.02	+0.2 E.	Dec. 12 M.	-0.25	+0.2	1904			Oct. 7 Bs.	18.06	27.0
16 Hl.	+0.03	+0.7	27 P.	-0.01	-0.3	July 10 R.	34.69	38.2 W.	13 Br.	18.06	27.0 W.
22 Hl.	+0.05	+0.8	1908			Oct. 15 Ei.M.	34.66	38.6 E.	1907		
30 P.	+0.02	+0.6	Jan. 19 Hl.	+0.12	-0.3	1906			July 21 M.	18.20	27.0 E.
Aug. 1 Hl.	+0.08	+0.7	Mar. 24 Fk.	-0.12	+0.5 E.	Sept. 24 Ei.Y.	34.66	38.3 W.	Sept. 29 M.	18.32	26.5
Sept. 21 P.	-0.01	+0.5	Mean.....	+0.046	+0.23	Mean.....			Oct. 17 M.	18.29	26.8
Oct. 21 M.	+0.05	...	Mag. corr....	-0.007		Mag. corr....			Nov. 11 M.	18.11	26.9
29 Hl.	+0.03	...							27 Hl.	18.13	26.8 E.
30 P.	-0.02	+0.8							Mean.....	18.174	26.99
Nov. 4 Ei.M.	+0.03	+0.8							Mag. corr....	-0.001	
5 Hl.	+0.06	+0.2									
7 M.	+0.03	+0.1									
11 M.	+0.02	...									
13 P.	+0.04	+0.8									
15 Hl.	+0.05	+0.5									
16 P.	+0.08	+1.1 E.									

31 Cephei s. p.			1908			ζ Pegasi			B. D. -9° 6037		
α = 22 ^h 33 ^m δ = +73° 7'			s '' Nov. 21 L. 55.59 47.1 W. 25 L. 55.56 46.8 W.			α = 22 ^h 36 ^m 28 ^s .513 δ = +10° 18' 33''.18			α = 22 ^h 37 ^m δ = -9° 40'		
1904			Mean..... 55.580 47.12			1903			1903		
Dec. 20 M. 18.08 26.2 E.			Mag. corr.... 0.000			Sept. 6 R. +0.02 +2.2 W.			Sept. 24 Ei.Y. 44.95 35.1 W.		
1905			30 Cephei			Oct. 27 Br. +0.08 +1.6			25 Ei.Y. 44.94 36.7 W.		
Dec. 19 Bs. 17.94 25.9 W.			α = 22 ^h 35 ^m δ = +63° 3'			28 R. +0.06 +1.1			1904		
1906			1903			29 L. +0.04 -0.4			Sept. 16 Ei.Y. 45.00 37.4 E.		
Apr. 7 Bs. 18.46 26.8			Oct. 14 R. 6.07 52.2 W.			Nov. 3 Br. +0.03 +0.1			1906		
12 Bs. 18.32 27.3			20 Br. 6.06 51.8			6 Br. +0.05 ...			Oct. 6 Ei.P. 45.00 36.3 W.		
17 Br. 18.36 27.5			21 R. 6.08 51.7			7 R. +0.02 +0.7			Mean..... 44.972 36.38		
19 Bs. 18.61 26.9			22 L. 6.07 52.6			1904			Mag. corr.... -0.007		
24 Br. 18.25 26.4 W.			26 L. 6.17 51.4			July 7 Br. +0.05 +1.0			B. D. -10° 5975		
1907			1905			10 R. -0.02 +1.5			α = 22 ^h 37 ^m δ = -10° 37'		
Apr. 25 M. 18.41 27.0 E.			Sept. 4 Hl. 6.12 52.8 W.			11 Br. +0.03 +1.0			1903		
Nov. 29 P. 18.17 26.8			1907			20 M. +0.05 +1.2			Sept. 28 Ei.Y. 45.55 35.0 W.		
Dec. 6 P. 18.28 27.3			July 8 M. 6.11 52.5 E.			25 Br. +0.03 +1.3			29 Ei.Y. 45.60 35.0 W.		
11 Hl. 18.20 26.2 E.			16 Hl. 6.10 53.0			31 M. +0.01 +1.0 W.			1904		
Mean..... 18.280 26.75			22 Hl. 6.18 52.6			Oct. 13 Ei.Y. +0.03 +1.4 E.			Oct. 10 Ei.Y. 45.61 35.4 E.		
Mag. corr.... -0.001			Aug. 6 Hl. 6.14 52.8			Nov. 2 M. -0.01 ... E.			1906		
B. D. -10° 5963			Sept. 21 P. 6.19 52.4 E.			Sept. 20 Ei.Y. +0.02 +0.7 W.			Sept. 25 Ei.Y. 45.61 34.8 W.		
α = 22 ^h 34 ^m δ = -10° 32'			Mean..... 6.117 52.35			Oct. 13 Ei.P. 0.00 +0.2 W.			Mean..... 45.592 35.05		
1903			Mag. corr.... 0.000			1907			Mag. corr.... +0.009		
Sept. 12 Ei.Y. 0.35 53.2 W.			ε Piscis Australis			July 26 P. -0.02 +1.3 E.			B. D. -3° 5491		
14 Ei.Y. 0.38 53.0 W.			α = 22 ^h 35 ^m 7 ^s .542 δ = -27° 33' 55''.31			30 P. +0.05 +1.0			α = 22 ^h 37 ^m δ = -3° 12'		
1904			1904			Aug. 1 Hl. -0.01 +0.9			1904		
Oct. 14 Ei.M. 0.35 53.1 E.			Sept. 23 M. +0.01 +1.4 E.			2 P. 0.00 +0.8			July 18 Ei.Y. 47.89 21.9 W.		
1906			Oct. 27 Y. +0.20 +1.2			4 Hl. +0.06 +0.4			Aug. 11 Ei.Y. 47.88 21.5 W.		
Sept. 8 Ei.Y. 0.38 52.6 W.			29 Y. +0.16 +1.1			Oct. 18 Hl. +0.02 ...			1906		
Mean..... 0.365 52.98			31 M. +0.10 +1.7			19 P. 0.00 +2.0			Oct. 14 Ei.M. 47.84 22.3 E.		
Mag. corr.... +0.009			Nov. 1 Br. +0.13 +1.4 E.			21 M. 0.00 ...			1906		
10 Lacertæ			1905			23 P. +0.04 +1.0			Oct. 11 Ei.P. 47.88 21.8 W.		
α = 22 ^h 34 ^m 46 ^s .413 δ = +38° 31' 46''.88			Sept. 12 Bs. +0.09 +1.7 W.			24 M. 0.00 ...			Mean..... 47.872 21.88		
1903			27 Bs. -0.12 +2.6			29 Hl. +0.04 ... E.			Mag. corr.... -0.003		
Nov. 12 L. -0.07 +0.5 W.			Oct. 4 Bs. +0.02 +0.4			1908			B. D. -9° 6038 (fol.)		
1904			5 Hl. +0.12 -0.1			July 18 P. +0.04 +0.7 W.			α = 22 ^h 37 ^m δ = -8° 50'		
July 12 M. -0.03 +0.9 W.			9 Hl. +0.15 +1.2 W.			28 P. +0.01 ...			1904		
Nov. 3 Y. +0.03 +0.5 E.			Mean..... +0.086 +1.26			29 Fk. +0.01 ...			Aug. 3 Ei.Y. 49.09 5.7 W.		
5 Y. -0.02 +0.6			Mag. corr.... +0.009			30 P. +0.02 +0.2			6 Ei.Y. 49.08 6.0 W.		
14 M. 0.00 +0.1			B. D. -4° 5728			Aug. 2 P. +0.05 +0.6			Oct. 15 Ei.M. 49.11 5.7 E.		
15 Br. -0.08 +0.9			α = 22 ^h 35 ^m δ = -4° 4'			3 Fk. 0.00 ...			1906		
16 M. -0.08 +0.4 E.			1903			9 P. +0.06 +0.8			Sept. 8 Ei.Y. 49.14 5.7 W.		
1905			Sept. 10 Ei.Y. 37.53 29.0 W.			10 Fk. +0.03 ...			Mean..... 49.105 5.78		
Oct. 12 Bs. -0.09 0.0 W.			11 Ei.Y. 37.49 29.1 W.			Nov. 27 P. -0.03 +1.1			Mag. corr.... +0.017		
21 Bs. -0.11 -0.5			1904			30 M. +0.03 -0.1 W.			67 Aquarii		
30 Hl. +0.02 +0.4 W.			Sept. 15 Ei.Y. 37.46 28.4 E.			1909			α = 22 ^h 38 ^m δ = -7° 29'		
Mean..... -0.043 +0.38			1906			Sept. 14 P. +0.08 +0.7 E.			1903		
Mag. corr.... +0.002			Oct. 8 Ei.P. 37.50 29.9 W.			26 P. +0.08 +1.4			Sept. 12 Ei.Y. 0.97 11.1 W.		
B. D. -10° 5966			Mean..... 37.495 29.10			28 P. +0.04 +1.8			14 Ei.Y. 1.01 10.7 W.		
α = 22 ^h 34 ^m δ = -9° 52'			Mag. corr.... +0.019			Oct. 22 M. +0.03 +1.4			1904		
1904			B. D. -12° 6327			26 P. 0.00 +0.8			Sept. 15 Ei.Y. 0.93 10.6 E.		
Aug. 3 Ei.Y. 51.59 53.0 W.			α = 22 ^h 36 ^m δ = -12° 45'			Nov. 21 P. -0.01 +0.8			1905		
6 Ei.Y. 51.56 53.3 W.			1903			22 M. +0.07 +1.5			Sept. 29 Bs. 1.02 10.8 W.		
Oct. 15 Ei.M. 51.49 53.8 E.			Sept. 15 Ei.Y. 7.85 5.9 W.			1910			Oct. 7 Bs. 0.93 10.5		
1906			18 Ei.Y. 7.97 5.7			Sept. 17 L. -0.01 +1.0			13 Br. 0.99 11.1		
Oct. 11 Ei.P. 51.54 52.5 W.			24 Ei.Y. 7.91 5.0 W.			Oct. 14 P. +0.01 +0.7			Dec. 4 Hl. 0.97 10.5		
Mean..... 51.545 53.15			1904			15 M. -0.01 +0.7			1906		
Mag. corr.... +0.015			Sept. 7 Ei.Y. 7.92 6.6 E.			22 L. +0.02 +1.0 E.			July 6 Bs. 1.00 10.8		
B. D. +39° 4906			Sept. 6 Ei.Y. 7.92 6.3 W.			Mean..... +0.024 +0.95			Oct. 8 Ei.P. 0.98 11.6 W.		
α = 22 ^h 34 ^m δ = +40° 4'			Mean..... 7.914 5.90			Mag. corr.... -0.003			1907		
1907			Mag. corr.... +0.014			B. D. -5° 5843			July 21 M. 0.91 10.7 E.		
Nov. 13 P. 55.63 47.3 E.			B. D. -12° 6327			α = 22 ^h 36 ^m δ = -5° 37'			Oct. 19 P. 1.01 10.5		
16 P. 55.54 47.3 E.			α = 22 ^h 35 ^m δ = -12° 45'			1903			23 P. 0.97 10.8 E.		
			1903			Sept. 19 Ei.Y. 53.90 24.5 W.					
			Sept. 15 Ei.Y. 7.85 5.9 W.			21 Ei.Y. 53.89 24.9 W.					
			18 Ei.Y. 7.97 5.7			1904					
			24 Ei.Y. 7.91 5.0 W.			Oct. 17 Ei.Y. 53.93 24.0 E.					
			1904			1906					
			Sept. 7 Ei.Y. 7.92 6.6 E.			Sept. 24 Ei.Y. 53.91 24.7 W.					
			1906			Mean..... 53.908 24.52					
			Sept. 6 Ei.Y. 7.92 6.3 W.			Mag. corr.... +0.012					
			Mean..... 7.914 5.90								
			Mag. corr.... +0.014								

1907 Oct. 24 M. 25 P.	s 1.04 1.02	" 10.4 E. 11.1 E.	B. D. -15° 6265 $\alpha = 22^h 39^m$ $\delta = -15^\circ 12'$	B. D. -11° 5912 $\alpha = 22^h 40^m$ $\delta = -11^\circ 41'$	1908 Sept. 15 P. 16 Fk.	s +0.05 +0.02	" +1.5 W. +1.8 W.
Mean..... Mag. corr.....	0.982 +0.017	10.80	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	Mean..... Mag. corr.....	+0.026 +0.009	+0.55
B. D. -16° 6142 (mean) $\alpha = 22^h 38^m$ $\delta = -16^\circ 39'$			1904 Sept. 15 Ei.Y. 1906 Sept. 24 Ei.Y.	1904 Oct. 14 Ei.M. 1906 Oct. 11 Ei.P.	B. D. -3° 5505 $\alpha = 22^h 42^m$ $\delta = -3^\circ 14'$		
1904 July 14 Ei.Y. 16 Ei.Y. Sept. 7 Ei.Y.	s 11.20 11.16 11.22	" 38.8 W. 39.2 W. 39.0 E.	Mean..... Mag. corr.....	Mean..... Mag. corr.....	1904 July 18 Ei.Y. 30 Ei.Y. Oct. 17 Ei.Y.	s 2.50 2.51 2.47	" 7.9 W. 8.3 W. 7.9 E.
1906 Sept. 6 Ei.Y.	11.14	38.5 W.	13 Lacertae $\alpha = 22^h 39^m$ $\delta = +41^\circ 17'$	λ Pegasi $\alpha = 22^h 41^m 42^s.834$ $\delta = +23^\circ 2' 21^s.58$	1906 Sept. 8 Ei.Y.	2.52	8.0 W.
Mean..... Mag. corr.....	11.180 -0.001	38.88	1903 Oct. 4 L. 20 Br. 22 L. 26 L.	1903 Sept. 10 Ei.Y. 11 Ei.Y. Oct. 21 R. 27 Br. 28 R. 29 L.	Mean..... Mag. corr.....	2.500 +0.006	8.02
η Pegasi $\alpha = 22^h 38^m 18^s.832$ $\delta = +29^\circ 41' 52^s.80$			1905 Sept. 18 Hl. 1907 July 8 M. 26 P. 29 Hl. Aug. 1 Hl. 6 Hl.	Nov. 3 Br. 4 R. 6 Br. 7 R. 24 Br. Dec. 23 R.	B. D. -7° 5858 $\alpha = 22^h 42^m$ $\delta = -7^\circ 15'$		
1903 Sept. 10 Ei.Y. 11 Ei.Y. Nov. 9 L. 10 Br. 12 L. 21 Br.	s -0.02 0.00 +0.02 +0.06 +0.03 +0.01	" -0.1 W. +0.3 +0.5 +0.5 +1.0 -0.1	Mean..... Mag. corr.....	1904 July 7 Br. 10 R. 11 Br. 12 M. Sept. 23 M. Oct. 16 Br. 27 Y. 29 Y. 31 M.	Mean..... Mag. corr.....	9.358 -0.002	26.65
1905 Oct. 21 Bs. 31 Br.	+0.01 +0.02	-0.1 +0.9 W.	B. D. -13° 6262 $\alpha = 22^h 40^m$ $\delta = -13^\circ 31'$	Nov. 1 Br. 2 M. 3 Y. 5 Y. 14 M. 15 Br. 16 M. 23 M. 26 Y. 28 M. 30 M.	B. D. -2° 5826 $\alpha = 22^h 42^m$ $\delta = -2^\circ 18'$		
1907 July 25 Hl. Aug. 2 P. Sept. 29 M. Oct. 17 M. 21 M. 29 Hl. 30 P. Nov. 4 M. 11 M.	+0.05 +0.03 +0.01 +0.03 +0.02 +0.07 -0.02 +0.04 -0.02	+1.5 E. +0.6 +0.9 +0.6 ... +1.6 +0.9 ... E.	1903 Sept. 19 Ei.Y. 21 Ei.Y.	1904 Sept. 16 Ei.Y. 1906 Oct. 6 Ei.P.	1903 Sept. 12 Ei.Y. Oct. 12 Ei.Y.	s 20.87 20.84	" 56.7 W. 56.5 W.
1908 July 6 P. 29 Fk. Sept. 6 P. 8 P. 9 Fk. 14 M. Nov. 27 P. 30 M.	-0.02 +0.02 +0.04 +0.09 -0.01 +0.01 -0.04 0.00	+1.0 W. ... +1.1 +1.3 +0.9 +1.3 +1.0 +0.5 W.	1904 Sept. 16 Ei.Y. 1906 Oct. 6 Ei.P.	Mean..... Mag. corr.....	1904 Sept. 7 Ei.Y. 1906 Sept. 6 Ei.Y.	20.86 20.85	56.7 E. 56.4 W.
1909 Sept. 13 L. 14 P. 26 P. 28 P. Oct. 22 M. 26 P. Nov. 21 P. 22 M. 26 P.	0.00 +0.02 -0.01 +0.10 +0.03 -0.01 +0.02 +0.02 -0.03	+0.9 E. +1.0 +0.3 +0.1 +0.7 +0.7 +0.6 +0.6 +1.1	Mean..... Mag. corr.....	1905 Aug. 15 Hl. 18 Hl. 23 M. Sept. 9 Bs. 12 Bs. 27 Bs. 4 Bs. 6 Br. 8 Bs. 12 Bs.	Mean..... Mag. corr.....	20.855 +0.005	56.58
1910 Aug. 21 L. Sept. 17 L. Oct. 14 P. 15 M. 22 L. 28 P. Nov. 8 P. 9 L. 11 P. 17 M.	+0.01 -0.01 +0.02 -0.01 +0.06 0.00 -0.01 0.00 -0.01 +0.02	+1.0 +0.7 +0.6 +1.2 +1.1 +1.6 +1.4 +0.8 +0.9 +0.6 E.	B. D. +38° 4858 $\alpha = 22^h 40^m$ $\delta = +38^\circ 40'$	Dec. 1 Br. 7 Hl. 1906 Sept. 3 Hl. 21 P. Oct. 13 P.	B. D. -14° 6346 $\alpha = 22^h 42^m$ $\delta = -14^\circ 34'$		
Mean..... Mag. corr.....	+0.015 0.000	+0.80	1908 Nov. 21 L. 25 L.	1905 Aug. 15 Hl. 18 Hl. 23 M. Sept. 9 Bs. 12 Bs. 27 Bs. 4 Bs. 6 Br. 8 Bs. 12 Bs.	1904 July 14 Ei.Y. 16 Ei.Y. Oct. 15 Ei.M.	s 24.24 24.34 24.26	" 60.2 W. 59.9 W. 60.6 E.
			Mean..... Mag. corr.....	1906 Sept. 24 Ei.Y.	Mean..... Mag. corr.....	24.285 -0.007	60.20
			B. D. -12° 6342 $\alpha = 22^h 40^m$ $\delta = -12^\circ 3'$	1907 Nov. 11 M.	B. D. -4° 5757 (mean) $\alpha = 22^h 42^m$ $\delta = -4^\circ 44'$		
			1903 Sept. 24 Ei.Y. 25 Ei.Y.	1908 July 29 Fk. 30 P. Aug. 2 P. 9 P.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	s 40.69 40.66 40.73	" 53.0 W. 53.3 53.7 W.
			Mean..... Mag. corr.....	1906 Oct. 10 Ei.Y. 1906 Sept. 25 Ei.Y.	1904 Sept. 16 Ei.Y.	40.68	

B. D. -6° 6074			1904			1909			Cephei s. p.		
$\alpha = 22^h 43^m$			July 25 Br. 17.96 12.8 W.			Sept. 28 P. -0.01 +0.7 E.			$\alpha = 22^h 46^m 7^s.076$		
$\delta = -6^\circ 17'$			26 T. 17.94 13.7			Oct. 22 M. -0.05 +0.5			$\delta = +65^\circ 40' 26''.83$		
1903			31 M. 17.93 12.9			26 P. +0.01 +1.0			1906		
Sept. 21 Ei.Y. 5.92 43.4 W.			Aug. 3 Ei.Y. 17.86 13.1			Nov. 22 M. -0.02 +0.3			Apr. 7 Bs. +0.06 +0.2 W.		
Oct. 13 Ei.Y. 6.00 43.1 W.			6 Ei.Y. 17.92 13.0 W.			26 P. -0.01 +0.5			12 Bs. -0.05 +0.8		
1904			Sept. 7 Ei.Y. 17.89 13.2 E.			30 P. -0.03 +0.5 E.			17 Br. +0.13 +1.9		
Oct. 10 Ei.Y. 5.95 42.9 E.			1906			Mean..... +0.008 +0.52			24 Br. +0.15 +0.6		
1906			Sept. 6 Ei.Y. 17.89 13.3 W.			Mag. corr.... -0.004			May 4 Br. +0.22 -0.7 W.		
Sept. 25 Ei.Y. 6.00 42.0 W.			1907			B. D. -13° 6283			1907		
Mean..... 5.968 42.85			July 21 M. 17.86 13.1 E.			$\alpha = 22^h 45^m$			Dec. 6 P. -0.16 -0.8 E.		
Mag. corr.... -0.008			22 Hl. 17.92 13.2			$\delta = -13^\circ 13'$			11 Hl. -0.02 -1.9		
B. D. -8° 5952			30 P. 17.94 13.9			1903			1908		
$\alpha = 22^h 43^m$			Sept. 20 P. 17.97 13.9			Sept. 12 Ei.Y. 16.95 12.4 W.			Mar. 9 M. +0.10 0.0		
$\delta = -8^\circ 38'$			21 P. 17.93 13.3			14 Ei.Y. 16.92 12.4 W.			12 Hl. +0.14 +0.4		
1903			1909			1904			15 Hl. 0.00 +1.0		
Sept. 24 Ei.Y. 8.93 23.0 W.			July 6 L. 17.91 13.3			Oct. 15 Ei.M. 16.99 11.9 E.			24 Fk. -0.01 +0.8 E.		
25 Ei.Y. 8.84 24.2 W.			Aug. 2 L. 17.94 13.1			1906			Mean..... +0.051 +0.21		
1904			Nov. 20 L. 17.94 14.2			Sept. 24 Ei.Y. 16.97 12.4 W.			Mag. corr.... -0.004		
Oct. 14 Ei.M. 8.90 24.9 E.			29 M. 17.96 12.3			Mean..... 16.958 12.28			γ Piscis Australis		
1906			30 P. 17.87 12.8			Mag. corr.... -0.006			$\alpha = 22^h 46^m$		
Oct. 11 Ei.P. 8.91 23.6 W.			Dec. 1 L. 17.92 13.0			B. D. -1° 4351			$\delta = -33^\circ 24'$		
Mean..... 8.895 23.92			2 M. 17.87 11.8			$\alpha = 22^h 45^m$			1903		
Mag. corr.... -0.001			3 P. 17.98 13.6			$\delta = -1^\circ 6'$			Oct. 27 Br. 58.15 20.0 W.		
B. D. -11° 5923			4 L. 17.92 13.4			1904			Nov. 3 Br. 58.15 19.7		
$\alpha = 22^h 43^m$			1910			July 14 Ei.Y. 34.46 27.1 W.			6 Br. 58.16		
$\delta = -11^\circ 5'$			June 27 L. [13.7]			16 Ei.Y. 34.50 26.8 W.			9 L. 58.10 20.2		
1903			Dec. 7 L. 17.89 13.2			Sept. 16 Ei.Y. 34.43 27.5 E.			10 Br. 58.12 19.2		
Sept. 28 Ei.Y. 14.57 1.2 W.			8 M. 17.96 13.3 E.			1906			24 Br. 58.16 (17.5)		
29 Ei.Y. 14.57 0.7 W.			Mean..... 17.922 13.12			Oct. 6 Ei.P. 34.45 26.8 W.			Dec. 23 R. [58.08] [22.1]		
1904			Mag. corr.... +0.006			Mean..... 34.460 27.05			1904		
Oct. 17 Ei.Y. 14.50 0.8 E.			μ Pegasi			B. D. -10° 6002			July 12 M. 58.08 19.9 W.		
1906			$\alpha = 22^h 45^m 10^s.650$			$\alpha = 22^h 45^m$			1907		
Sept. 8 Ei.Y. 14.56 0.9 W.			$\delta = +24^\circ 4' 24''.27$			$\delta = -9^\circ 51'$			July 30 P. 58.09 21.8 E.		
Mean..... 14.550 0.90			1903			1903			Oct. 19 P. 58.12 21.4		
Mag. corr.... +0.021			Oct. 13 Ei.Y. +0.02 -0.2 W.			Sept. 15 Ei.Y. 57.96 16.1 W.			23 P. 58.16 21.9		
B. D. -5° 5866			20 Br. +0.02 -0.3			18 Ei.Y. 57.97 16.5			24 M. 58.14 20.6		
$\alpha = 22^h 43^m$			21 R. +0.06 0.0			22 Ei.Y. 57.94 17.1 W.			25 P. 58.10 20.7 E.		
$\delta = -5^\circ 6'$			22 L. +0.02 +0.3			1904			Mean..... 58.127 20.54		
1904			26 L. 0.00 -0.1			Oct. 10 Ei.Y. 58.04 17.4 E.			Mag. corr.... +0.004		
July 18 Ei.Y. 19.68 12.2 W.			Nov. 27 Br. -0.01 -0.4			1906			λ Aquarii		
29 Ei.Y. 19.71 12.0 W.			1904			Sept. 25 Ei.Y. 58.05 15.8 W.			$\alpha = 22^h 47^m 23^s.881$		
Sept. 15 Ei.Y. 19.67 11.1 E.			July 11 Br. 0.00 +0.2			Mean..... 57.992 16.58			$\delta = -8^\circ 6' 42''.11$		
1906			1905			B. D. -13° 6283			1903		
Oct. 8 Ei.P. 19.69 12.4 W.			Sept. 4 Hl. +0.9			$\alpha = 22^h 45^m$			Sept. 19 Ei.Y. +0.04 +0.2 W.		
Mean..... 19.688 11.92			9 Bs. +0.07 +1.4			$\delta = -9^\circ 51'$			21 Ei.Y. +0.05 -0.2		
Mag. corr.... -0.003			Oct. 7 Bs. -0.02 +0.9			1903			Oct. 4 L. +0.09 +0.3		
B. D. +37° 4699			13 Br. -0.01 +0.6			Sept. 15 Ei.Y. 57.96 16.1 W.			12 Ei.Y. -0.01 +0.6		
$\alpha = 22^h 44^m$			21 Bs. -0.03 -0.4			18 Ei.Y. 57.97 16.5			13 Ei.Y. +0.02 +0.4		
$\delta = +37^\circ 59'$			23 Hl. +0.02 +0.9			22 Ei.Y. 57.94 17.1 W.			28 R. +0.06 -0.1		
1908			30 Hl. +0.03 +1.2			1904			1904		
Nov. 21 L. 15.92 56.4 W.			31 Br. +0.01 +0.3			Oct. 10 Ei.Y. 58.04 17.4 E.			July 10 R. +0.02 +1.3		
25 L. 15.90 56.2 W.			Nov. 14 Br. +0.02 +0.6			1906			14 Ei.Y. +0.07 +0.7		
Mean..... 15.910 56.30			Dec. 1 Br. +0.01 +1.4			Sept. 25 Ei.Y. 58.05 15.8 W.			16 Ei.Y. +0.05 +1.0 W.		
Mag. corr.... 0.000			4 Hl. +0.01 +0.8			Mean..... 57.992 16.58			Sept. 23 M. +0.01 +0.1 E.		
τ Aquarii			7 Hl. +0.02 +0.5			B. D. -10° 6002			Oct. 14 Ei.M. 0.00 +0.6		
$\alpha = 22^h 44^m$			1906			$\alpha = 22^h 45^m$			27 Y. +0.09 +0.7		
$\delta = -14^\circ 7'$			Sept. 3 Hl. 0.00 +0.1			$\delta = -9^\circ 51'$			29 Y. +0.08 +0.9		
1903			7 Ei.Y. +0.03 +0.3			1903			31 M. +0.11 +0.8		
Oct. 4 L. 17.89 13.1 W.			21 P. +0.10 +0.9			Sept. 15 Ei.Y. 57.96 16.1 W.			Nov. 1 Br. +0.06 +0.9		
Nov. 9 L. 17.92 13.2			Oct. 8 Ei.P. +0.01 +0.3 W.			18 Ei.Y. 57.97 16.5			2 M. +0.04		
10 Br. 17.92 13.0			1907			22 Ei.Y. 57.94 17.1 W.			5 Y. +0.08 +2.5		
1904			July 8 M. -0.05 +0.4 E.			1904			14 M. +0.05 +0.1		
July 19 T. 17.98 12.2			29 Hl. 0.00 +0.4			Oct. 10 Ei.Y. 58.04 17.4 E.			15 Br. +0.08 +1.0		
20 M. 17.94 12.6 W.			Aug. 2 P. +0.03 +0.3			1906			16 M. +0.02 +0.1		
			4 Hl. +0.05 +0.5			Sept. 25 Ei.Y. 58.05 15.8 W.			23 M. +0.06 +0.3		
			6 Hl. -0.04 +0.8			Mean..... 57.992 16.58			26 Y. +0.03 +0.4		
			Sept. 29 M. +0.03 +1.1			B. D. -13° 6283			28 M. +0.03 +0.3		
			Nov. 4 M. 0.00 +0.2			$\alpha = 22^h 46^m 7^s.088$			30 M. +0.07 +0.2 E.		
			11 M. +0.03 ... E.			$\delta = +65^\circ 40' 26''.96$			1905		
			1908			1903			Aug. 18 Hl. +0.01 +0.8 W.		
			Sept. 8 P. +0.06 +1.4 W.			Nov. 4 R. +0.08 +0.6 W.			23 M. +0.03 +0.4		
			9 Fk. -0.01 +0.7			12 L. -0.08 +0.5			Sept. 12 Bs. +0.06 +0.6 W.		
			Nov. 30 M. -0.04 +0.6 W.			July 7 Br. -0.02 +1.2					
			1909			1905					
			Sept. 14 P. +0.01 +0.6 E.			Sept. 26 Hl. +0.01 ...					
			26 P. -0.02 +0.6 E.			29 Bs. +0.02 +0.8 W.					
						1907					
						July 25 Hl. +0.05 +0.5 E.					
						Oct. 17 M. +0.09 +0.2					
						21 M. +0.06 +0.8					
						29 Hl. +0.10 +0.8					
						30 P. -0.04 +0.9 E.					
						Mean..... +0.027 +0.70					
						Mag. corr.... -0.003					

1905	s	"	B. D. -6° 6087	1908	s	"	1904	s	"
Sept. 27 Bs.	-0.02	+0.3 W.	$\alpha = 22^h 48^m$	July 18 P.	+0.08	+0.7 W.	July 31 M.	59.88	13.4 W.
Oct. 4 Bs.	+0.01	+1.0	$\delta = -6^\circ 31'$	30 P.	+0.06	+0.2	Sept. 15 Ei.Y	59.89	13.4 E.
5 Hl.	+0.02	+0.2	1904	Aug. 2 P.	+0.10	+0.3	1906		
6 Br.	+0.04	+0.6	Aug. 3 Ei.Y.	9 P.	+0.09	+0.4	Oct. 8 Ei.P.	59.89	13.2 W.
8 Bs.	+0.04	+0.9	6 Ei.Y.	9 Fk.	+0.10	+0.6 W.	1907		
12 Bs.	+0.01	+1.0	15 Ei.M.	1909			July 22 Hl.	59.85	13.5 E.
1906			16.27	6.1 E.			Oct. 17 M.	59.91	13.5
Sept. 24 Ei.Y.	+0.04	+0.2 W.	1906	Sept. 7 Ei.Y.	16.26	6.6 W.	19 P.	59.86	12.9
1907							23 P.	59.94	12.5'
Nov. 11 M.	+0.06	... E.	Mean.....	16.278	6.18		24 M.	59.85	13.0
13 P.	+0.06	+0.6	Mag. corr	+0.014			25 P.	59.87	13.1 E.
15 Hl.	+0.09	+0.7					Mean.....	59.881	13.53
16 P.	+0.10	+1.0 E.					Mag. corr	+0.016	
1908			B. D. -12° 6374						
Sept. 14 M.	+0.02	+1.1 W.	$\alpha = 22^h 48^m$						
15 P.	+0.09	+1.0	$\delta = -12^\circ 43'$						
16 Fk.	+0.09	+1.3	1903						
Nov. 21 L.	+0.04	+0.1	Sept. 12 Ei.Y.	50.77	16.8 W.				
25 L.	+0.10	+0.9 W.	14 Ei.Y.	50.74	16.6 W.				
1909			1904						
July 6 L.	+0.06	+0.7 E.	Sept. 16 Ei.Y.	50.77	16.4 E.				
Nov. 22 M.	+0.05	+0.3	1906						
29 M.	+0.04	+1.5	Oct. 6 Ei.P.	50.73	16.1 W.				
Dec. 8 M.	+0.03	+1.8	Mean.....	50.752	16.48				
1910			Mag. corr	+0.009					
Sept. 17 L.	+0.04	+0.8							
Oct. 15 M.	+0.03	+1.0 E.							
Mean.....	+0.048	+0.68							
Mag. corr	-0.007								
			B. D. -1° 4355						
			$\alpha = 22^h 49^m$						
			$\delta = -1^\circ 34'$						
			1903						
			Oct. 12 Ei.Y.	9.71	49.2 W.				
			13 Ei.Y.	9.75	49.6 W.				
			1904						
			Oct. 10 Ei.Y.	9.74	49.7 E.				
			1906						
			Sept. 25 Ei.Y.	9.76	49.0 W.				
			Mean.....	9.740	49.38				
			Mag. corr	-0.005					
			δ Aquarii						
			$\alpha = 22^h 49^m$						
			$\delta = -16^\circ 21'$						
			1903						
			Oct. 29 L.	+0.06	-0.2 W.				
			Nov. 7 R.	+0.07	+0.8				
			1904						
			July 14 Ei.Y.	+0.04	+0.9				
			16 Ei.Y.	+0.06	+1.2				
			30 Ei.Y.	+0.13	+0.1 W.				
			Dec. 6 Br.	+0.06	... E.				
			1905						
			Aug. 15 Hl.	+0.11	+0.1 W.				
			Sept. 9 Bs.	+0.11	+1.4				
			Oct. 21 Bs.	+0.12	+0.4				
			31 Br.	+0.11	+0.5				
			Nov. 14 Br.	+0.09	+0.2				
			17 Br.	+0.13	+0.2				
			Dec. 1 Br.	+0.10	+1.2				
			4 Hl.	+0.08	+0.8				
			1906						
			Aug. 15 Hl.	+0.05	...				
			Sept. 3 Hl.	+0.06	+1.0				
			Oct. 13 P.	+0.05	+0.1 W.				
			1907						
			July 21 M.	+0.04	+0.5 E.				
			26 P.	+0.04	+1.1				
			Aug. 1 Hl.	+0.06	+0.4				
			2 P.	+0.07	-0.1				
			4 Hl.	+0.02	+0.3				
			Sept. 20 P.	+0.11	+0.3				
			21 P.	+0.07	+0.3				
			Nov. 4 M.	+0.12	+0.6				
			11 M.	+0.08	... E.				

1904 Oct. 14 Ei.M. 6.66 39.8 E. 1906 Oct. 11 Ei.P. 6.65 39.2 W. Mean..... 6.650 39.65 Mag. corr.... +0.019	1904 Sept. 7 Ei.Y. 6.55 48.3 E. 1906 Sept. 6 Ei.Y. 6.49 47.9 W. Mean..... 6.522 47.48 Mag. corr.... +0.021	1904 Oct. 14 Ei.M. 6.62 58.1 E. 1906 Oct. 11 Ei.P. 6.63 57.4 W. Mean..... 6.612 58.02 Mag. corr.... +0.013	1904 Sept. 15 Ei.Y. 54.58 17.7 E. 1906 Oct. 8 Ei.P. 54.49 18.5 W. Mean..... 54.520 18.22 Mag. corr.... -0.003
α Piscis Australis $\alpha = 22^h 52^m 7^s.680$ $\delta = -30^\circ 9' 8''.97$		$\alpha = 22^h 53^m$ $\delta = -8^\circ 44'$	
1903 Nov. 9 L. +0.15 +0.9 W. 10 Br. +0.05 +0.3 12 L. +0.05 +1.3 21 Br. +0.09 +0.7 24 Br. +0.02 +1.6 Dec. 23 R. [-0.03] [-0.1] W. 1904 Nov. 3 Y. +0.03 +1.2 E. 5 Y. +0.12 +1.9 14 M. +0.03 +1.6 15 Br. +0.10 +1.2 16 M. +0.04 +2.0 E. Mean..... +0.068 +1.27 Mag. corr.... -0.011	B. D. -8° 5991 1903 Sept. 28 Ei.Y. 46.87 56.0 W. 29 Ei.Y. 46.92 55.7 W. 1904 Oct. 15 Ei.M. 46.79 55.6 E. 1906 Sept. 7 Ei.Y. 46.81 55.9 W. Mean..... 46.848 55.80 Mag. corr.... -0.008	36 H. Cephei $\alpha = 22^h 55^m$ $\delta = +83^\circ 48'$ 1903 Oct. 27 Br. 12.81 40.4 W. 29 L. 12.45 39.4 Nov. 3 Br. 12.30 40.0 4 R. 12.91 40.2 6 Br. 12.29 7 R. 12.28 39.5 1904 July 11 Br. 12.72 40.8 W. 1907 July 21 M. 12.68 40.6 E. 25 Hl. 12.89 40.3 26 P. 12.51 40.1 29 Hl. 12.37 41.0 30 P. 12.40 40.9 E. Mean..... 12.551 40.29 Mag. corr.... 0.000	B. D. -15° 6325 $\alpha = 22^h 56^m$ $\delta = -14^\circ 48'$ 1903 Sept. 19 Ei.Y. 8.04 26.2 W. 21 Ei.Y. 8.07 27.1 W. 1904 Sept. 7 Ei.Y. 8.15 26.5 E. 1906 Sept. 6 Ei.Y. 8.13 26.9 W. Mean..... 8.098 26.68 Mag. corr.... +0.007
B. D. -11° 5961 $\alpha = 22^h 52^m$ $\delta = -11^\circ 39'$		B. D. -7° 5910 $\alpha = 22^h 56^m$ $\delta = -7^\circ 35'$	
1903 Sept. 15 Ei.Y. 52.15 59.1 W. 18 Ei.Y. 52.12 59.3 22 Ei.Y. 52.16 60.7 W. 1904 Oct. 17 Ei.Y. 52.15 60.0 E. 1906 Sept. 8 Ei.Y. 52.19 59.1 W. Mean..... 52.154 59.64 Mag. corr.... -0.010	1903 Sept. 6 R. 11.66 40.1 W. Oct. 14 R. 11.64 39.2 20 Br. 11.64 39.0 21 R. 11.65 39.4 22 L. 11.73 39.2 26 L. 11.68 39.0 28 R. 11.68 39.0 1904 July 10 R. 11.61 40.2 12 M. 11.62 40.1 W. Nov. 19 Y. 11.64 39.9 E. 23 M. 11.64 40.4 26 Y. 11.61 39.4 28 M. 11.65 40.3 30 M. 11.67 39.6 E. Mean..... 11.651 39.63 Mag. corr.... -0.005	36 H. Cephei s. P. $\alpha = 22^h 55^m$ $\delta = +83^\circ 48'$ 1903 Nov. 30 Br. 12.57 40.6 W. Dec. 7 Br. 12.75 39.9 9 Br. 12.54 38.9 1904 Apr. 11 R. 12.95 39.5 13 M. 12.64 40.3 19 Br. 12.72 40.6 22 Br. 12.22 40.2 May 4 M. 13.15 40.1 5 R. 12.71 7 M. 12.86 40.2 W. 1907 Apr. 25 M. 12.87 41.0 E. Dec. 25 M. 12.98 39.6 1908 Jan. 19 Hl. 12.52 39.9 Mar. 9 M. 12.66 40.4 12 Hl. 12.41 40.1 E. Mean..... 12.663 40.09 Mag. corr.... +0.001	1903 Sept. 24 Ei.Y. 11.89 51.2 W. 25 Ei.Y. 11.87 51.8 W. 1904 Oct. 15 Ei.M. 11.85 53.1 E. 1906 Sept. 7 Ei.Y. 11.83 52.7 W. Mean..... 11.860 52.20 Mag. corr.... +0.019
B. D. -6° 6110 $\alpha = 22^h 52^m$ $\delta = -6^\circ 13'$		B. D. -5° 5910 $\alpha = 22^h 56^m$ $\delta = -5^\circ 14'$	
1903 Sept. 19 Ei.Y. 57.91 15.5 W. 21 Ei.Y. 57.84 15.4 W. 1904 Sept. 15 Ei.Y. 57.94 13.8 E. 1906 Oct. 8 Ei.P. 57.88 14.7 W. Mean..... 57.892 14.85 Mag. corr.... -0.008	1904 Aug. 3 Ei.Y. 19.75 23.8 W. 6 Ei.Y. 19.78 23.7 W. Oct. 10 Ei.Y. 19.81 24.3 E. 1906 Sept. 25 Ei.Y. 19.78 23.6 W. Mean..... 19.780 23.85 Mag. corr.... +0.020	B. D. -0° 4443 $\alpha = 22^h 55^m$ $\delta = -0^\circ 21'$ 1903 Oct. 12 Ei.Y. 30.21 3.4 W. 13 Ei.Y. 30.25 4.2 W. 1904 Oct. 17 Ei.Y. 30.25 3.4 E. 1906 Sept. 8 Ei.Y. 30.26 3.9 W. Mean..... 30.242 3.72 Mag. corr.... +0.019	B. D. -3° 5553 $\alpha = 22^h 56^m$ $\delta = -3^\circ 13'$ 1904 July 18 Ei.Y. 46.24 22.8 W. 29 Ei.Y. 46.20 22.5 W. Oct. 10 Ei.Y. 46.22 23.4 E. 1906 Sept. 25 Ei.Y. 46.27 22.6 W. Mean..... 46.232 22.82 Mag. corr.... +0.001
B. D. +38° 4903 $\alpha = 22^h 52^m$ $\delta = +38^\circ 51'$		B. D. -3° 5553 $\alpha = 22^h 56^m$ $\delta = -3^\circ 13'$	
1907 Nov. 13 P. 59.47 14.8 E. 16 P. 59.48 15.0 E. 1908 Nov. 21 L. 59.39 14.7 W. Mean..... 59.447 14.83 Mag. corr.... +0.001	1904 July 18 Ei.Y. 19.97 44.2 W. 29 Ei.Y. 20.04 44.5 W. Sept. 16 Ei.Y. 20.03 43.9 E. 1906 Oct. 6 Ei.P. 19.95 45.1 W. Mean..... 19.998 44.42 Mag. corr.... -0.006	B. D. -10° 6038 $\alpha = 22^h 55^m$ $\delta = -10^\circ 5'$ 1903 Sept. 15 Ei.Y. 54.53 18.5 W. 18 Ei.Y. 54.42 17.7 22 Ei.Y. 54.58 18.7 W. Mean..... 54.510 18.43 Mag. corr.... -0.002	B. D. +38° 4911 $\alpha = 22^h 57^m$ $\delta = +38^\circ 34'$ 1907 Nov. 13 P. 12.15 14.5 E. 16 P. 12.17 14.6 E. 1908 Nov. 21 L. 12.16 14.0 W. 25 L. 12.14 14.9 W. Mean..... 12.155 14.50 Mag. corr.... -0.002
B. D. -3° 5539 $\alpha = 22^h 53^m$ $\delta = -2^\circ 55'$		B. D. -9° 6100 $\alpha = 22^h 55^m$ $\delta = -9^\circ 24'$	
1903 Sept. 24 Ei.Y. 6.52 46.5 W. 25 Ei.Y. 6.53 47.2 W.	1903 Sept. 12 Ei.Y. 6.54 58.5 W. 14 Ei.Y. 6.66 58.1 W.	1903 Sept. 15 Ei.Y. 54.53 18.5 W. 18 Ei.Y. 54.42 17.7 22 Ei.Y. 54.58 18.7 W.	1907 Nov. 13 P. 12.15 14.5 E. 16 P. 12.17 14.6 E. 1908 Nov. 21 L. 12.16 14.0 W. 25 L. 12.14 14.9 W.

B. D. -12° 6404			β Piscium			B. D. -2° 5876			1907		
$\alpha = 22^h 57^m$ $\delta = -11^\circ 48'$			$\alpha = 22^h 58^m$ $\delta = +3^\circ 16'$			$\alpha = 22^h 59^m$ $\delta = -2^\circ 26'$			s		
1904	s		1903	s		1903	s		Aug. 1 Hl.	+0.08	+0.2 E.
Aug. 3 Ei.Y.	17.89	10.1 W.	Oct. 14 R.	47.26	54.0 W.	Sept. 19 Ei.Y.	9.56	21.4 W.	2 P.	+0.08	+0.7
6 Ei.Y.	17.93	10.2 W.	20 Br.	47.29	53.6	21 Ei.Y.	9.46	21.5 W.	13 Hl.	+0.07	+0.4
Oct. 14 Ei.M.	17.94	11.4 E.	21 R.	47.31	54.0	1904	s		25 Hl.	+0.07	+1.0
1906	s		26 L.	47.31	53.7	Oct. 1 Ei.Y.	9.58	21.3 E.	Oct. 30 P.	+0.07	+1.5
Oct. 11 Ei.P.	17.90	10.2 W.	1904	s		1906	s		Nov. 17 Hl.	+0.02	... E.
Mean.....	17.915	10.48	July 12 M.	47.25	55.2 W.	Sept. 7 Ei.Y.	9.51	21.0 W.	1908	s	
Mag. corr....	-0.001		Nov. 17 Y.	47.30	54.6 E.	Mean.....	9.528	21.30	Aug. 4 P.	+0.09	... W.
α Andromedæ			19 Y.	47.28	54.8	Mag. corr....	-0.013		Sept. 14 M.	+0.03	+0.8
$\alpha = 22^h 57^m 19^s.118$ $\delta = +41^\circ 47' 18''.55$			23 M.	47.28	54.5	B. D. -12° 6413			15 P.	+0.07	+1.7
1903	s		26 Y.	47.31	54.7	$\alpha = 22^h 59^m$ $\delta = -12^\circ 43'$			16 Fk.	+0.03	+0.9
Oct. 4 L.	+0.09	+0.3 W.	28 M.	47.30	54.7 E.	1903	s		Dec. 1 P.	+0.02	+0.7
Dec. 23 R.	[+0.01]	[+0.9]	Mean.....	47.289	54.38	Sept. 24 Ei.Y.	15.46	2.0 W.	7 M.	+0.01	+0.6
1904	s		Mag. corr....	+0.004		25 Ei.Y.	15.45	3.0 W.	8 P.	-0.01	+0.5 W.
July 19 T.	....	+0.5	β Pegasi			1904	s		1909	s	
20 M.	+0.06	+0.6	$\alpha = 22^h 58^m 55^s.645$ $\delta = +27^\circ 32' 26''.05$			Sept. 16 Ei.Y.	15.46	4.0 E.	July 9 L.	+0.06	-0.3 E.
25 Br.	+0.02	+0.8	1903	s		1906	s		10 P.	+0.06	+0.8
26 T.	....	+1.2	Oct. 28 R.	+0.02	-0.1 W.	Oct. 6 Ei.P.	15.48	3.0 W.	Oct. 22 M.	+0.05	+0.9
31 M.	+0.11	+0.4 W.	Nov. 9 L.	+0.04	+0.2	Mean.....	15.462	3.00	25 M.	+0.05	+0.3
Nov. 3 Y.	+0.08	+1.2 E.	10 Br.	+0.03	+0.5	Mag. corr....	-0.008		26 P.	+0.03	+1.2
5 Y.	+0.02	+0.5	12 L.	0.00	+1.1	3 Andromedæ			22 M.	+0.05	0.0
14 M.	+0.04	-0.1	21 Br.	+0.02	+0.2	$\alpha = 22^h 59^m$ $\delta = +49^\circ 30'$			30 P.	+0.05	+0.8
15 Br.	-0.06	+0.6	24 Br.	+0.04	+0.5	1904	s		1 L.	+0.02	+0.4
16 M.	0.00	-0.2 E.	1904	s		Nov. 30 M.	41.58	31.6 E.	3 P.	+0.01	+0.4
Mean.....	+0.040	+0.53	July 10 R.	0.00	+0.7 W.	1905	s		4 L.	+0.01	+0.6
Mag. corr....	-0.005		Sept. 22 T.	+0.10	+1.1 E.	Aug. 15 Hl.	41.61	31.1 W.	1910	s	
B. D. -7° 5913			23 M.	-0.02	+0.1	1906	s		June 27 L.	....	[+0.4]
$\alpha = 22^h 57^m$ $\delta = -7^\circ 6'$			Oct. 27 Y.	+0.02	+0.7	Oct. 13 P.	41.60	30.8 W.	Aug. 21 L.	+0.04	+1.0
1903	s		29 Y.	+0.05	+1.1	1907	s		Sept. 17 L.	0.00	+0.5
Sept. 12 Ei.Y.	21.09	39.6 W.	31 M.	0.00	+0.7	July 21 M.	41.65	32.2 E.	Oct. 18 P.	+0.05	+0.8
14 Ei.Y.	21.14	39.0 W.	Nov. 1 Br.	+0.03	+0.3 E.	Aug. 4 Hl.	41.71	31.9	22 L.	0.00	+0.7
1904	s		1905	s		11 Hl.	41.76	31.9 E.	Dec. 22 M.	+0.06	+0.4 E.
Oct. 17 Ei.Y.	21.07	38.8 E.	Sept. 4 Hl.	+0.07	+1.1 W.	1908	s		Mean.....	+0.035	+0.61
1906	s		Oct. 21 Bs.	-0.04	+0.7	July 18 P.	41.63	31.4 W.	Mag. corr....	+0.002	
Sept. 8 Ei.Y.	21.08	38.8 W.	31 Br.	-0.01	+0.5	30 P.	41.68	31.8	B. D. -8° 6018		
Mean.....	21.095	39.05	Dec. 1 Br.	+0.01	+0.9	Aug. 2 P.	41.65	32.1 W.	$\alpha = 22^h 59^m$ $\delta = -8^\circ 13'$		
Mag. corr....	+0.017		1906	s		Mean.....	41.657	31.67	$\alpha = 23^h 0^m$ $\delta = -8^\circ 17'$		
B. D. -1° 4382			Aug. 15 Hl.	-0.01	... W.	Mag. corr....	0.000		1903	s	
$\alpha = 22^h 58^m$ $\delta = -0^\circ 57'$			1907	s		α Pegasi			Sept. 28 Ei.Y.	57.01	60.0 W.
1903	s		Nov. 5 Hl.	+0.04	... E.	$\alpha = 22^h 59^m 46^s.773$ $\delta = +14^\circ 40' 1''.52$			29 Ei.Y.	57.06	60.1 W.
Oct. 12 Ei.Y.	1.03	47.2 W.	1908	s		1903	s		1904	s	
13 Ei.Y.	1.03	47.8 W.	Sept. 6 P.	+0.07	+1.7 W.	Sept. 3 Ei.Y.	+0.03	-0.4 W.	Oct. 10 Ei.Y.	57.03	60.6 E.
1904	s		8 P.	+0.04	+0.7	5 Ei.Y.	+0.03	-0.6	1906	s	
Sept. 15 Ei.Y.	1.06	47.6 E.	Nov. 27 P.	-0.02	+0.5	Dec. 3 Br.	+0.04	+0.2 W.	Oct. 11 Ei.P.	6.38	37.4 W.
1906	s		30 M.	+0.06	+0.7	1904	s		Mean.....	6.390	38.18
Oct. 8 Ei.P.	0.98	48.2 W.	Dec. 1 P.	+0.07	...	Oct. 22 Ei.M.	+0.02	+0.2 E.	Mag. corr....	+0.005	
Mean.....	1.025	47.70	7 M.	-0.01	...	1905	s		B. D. -8° 6019		
Mag. corr....	+0.003		8 P.	+0.01	... W.	Sept. 18 Hl.	+0.01	+0.9 W.	$\alpha = 23^h 0^m$ $\delta = +0^\circ 46'$		
B. D. -5° 5917			1909	s		26 Hl.	+0.03	+1.1	1904	s	
$\alpha = 22^h 58^m$ $\delta = -5^\circ 20'$			Sept. 13 L.	-0.03	+0.6 E.	29 Bs.	-0.03	0.0	Aug. 3 Ei.Y.	10.68	6.0 W.
1903	s		14 P.	+0.01	+1.1	30 Hl.	-0.01	+0.7	6 Ei.Y.	10.69	6.2 W.
Sept. 15 Ei.Y.	1.06	47.6 E.	26 P.	+0.02	+0.8	Oct. 7 Bs.	+0.04	+1.0	Oct. 15 Ei.M.	10.72	5.4 E.
1906	s		28 P.	0.00	+1.1	13 Br.	+0.03	0.0	1906	s	
Oct. 8 Ei.P.	0.98	48.2 W.	29 L.	+0.02	+0.1	23 Hl.	0.00	+1.0	Sept. 8 Ei.Y.	10.68	6.0 W.
Mean.....	1.025	47.70	Oct. 22 M.	+0.05	+0.3	Nov. 14 Br.	+0.01	+0.2	Mean.....	10.692	5.90
Mag. corr....	+0.003		25 M.	-0.02	+0.5	Dec. 4 Hl.	+0.04	+1.0	Mag. corr....	+0.019	
B. D. -5° 5917			26 P.	+0.01	+0.8	7 Hl.	+0.03	+1.1			
$\alpha = 22^h 58^m$ $\delta = -5^\circ 20'$			Nov. 22 M.	0.00	+0.5	13 Bs.	+0.03	+0.9			
1903	s		29 M.	0.00	+0.8	1906	s				
Sept. 15 Ei.Y.	44.86	4.1 W.	1910	s		Sept. 19 Ei.Y.	+0.07	+0.4			
18 Ei.Y.	44.94	3.9	Oct. 14 P.	+0.02	+0.9	Oct. 25 Hl.	+0.01	+1.3 W.			
22 Ei.Y.	44.94	4.6 W.	15 M.	-0.02	+0.6						
1904	s		28 P.	-0.02	+1.2						
Sept. 7 Ei.Y.	44.91	3.9 E.	Nov. 8 P.	-0.03	+0.9						
1906	s		17 M.	+0.03	+1.3						
Sept. 6 Ei.Y.	44.95	4.2 W.	26 L.	-0.07	+0.9						
Mean.....	44.920	4.14	Dec. 3 L.	-0.02	+0.3						
Mag. corr....	+0.016		7 L.	-0.05	+1.0 E.						
			Mean.....	+0.012	+0.70						
			Mag. corr....	+0.003							

B. D. -11° 5997

$\alpha = 23^h 0^m$
 $\delta = -10^\circ 58'$

1903

Oct. 12

Ei.Y.

40.07

37.6 W.

13

Ei.Y.

40.07

38.6 W.

1904

Sept. 7

Ei.Y.

40.07

38.0 E.

1906

Sept. 6

Ei.Y.

40.06

38.0 W.

Mean

40.068

38.05

Mag. corr

+0.010

B. D. -8° 6021

$\alpha = 23^h 0^m$
 $\delta = -8^\circ 28'$

1903

Sept. 12

Ei.Y.

40.36

35.1 W.

14

Ei.Y.

40.42

35.4 W.

1904

Sept. 15

Ei.Y.

40.35

34.4 E.

1906

Oct. 8

Ei.P.

40.37

35.6 W.

Mean

40.375

35.12

Mag. corr

+0.014

c¹ Aquarii

$\alpha = 23^h 1^m$
 $\delta = -24^\circ 16'$

1903

Oct. 4

L.

18.65

60.1 W.

1905

Aug. 18

Hl.

18.72

59.3

23

M.

18.69

60.1

Sept. 9

Bs.

18.66

58.8

Dec. 6

Bs.

18.72

60.1 W.

1907

Sept. 20

P.

18.73

60.1 E.

21

P.

18.71

60.5

Oct. 19

P.

18.71

60.8

21

M.

18.74

59.5

23

P.

18.65

59.2

29

Hl.

18.75

58.7 E.

Mean

18.703

59.75

Mag. corr

+0.002

B. D. +37° 4765

$\alpha = 23^h 1^m$
 $\delta = +38^\circ 1'$

1907

Nov. 13

P.

41.47

44.8 E.

16

P.

41.44

44.6 E.

1908

Nov. 21

L.

41.42

44.0 W.

25

L.

41.42

44.3 W.

Mean

41.438

44.42

Mag. corr

0.000

B. D. -13° 6344

$\alpha = 23^h 1^m$
 $\delta = -13^\circ 16'$

1903

Sept. 15

Ei.Y.

44.17

4.0 W.

18

Ei.Y.

44.14

3.8

22

Ei.Y.

44.25

4.6 W.

1904

Oct. 1

Ei.Y.

44.24

4.5 E.

1906

Sept. 7

Ei.Y.

44.23

4.5 W.

Mean

44.206

4.28

Mag. corr

-0.006

55 Pegasi

$\alpha = 23^h 1^m$
 $\delta = +8^\circ 52'$

1903

Nov. 9

L.

58.03

9.6 W.

12

L.

58.05

10.5

30

L.

57.96

9.3 W.

1904

Nov. 3

Y.

57.94

10.2 E.

5

Y.

57.99

9.6

14

M.

58.01

9.5

15

Br.

58.00

9.9

17

Y.

58.01

10.1 E.

1905

Sept. 27

Bs.

57.99

10.2 W.

Oct. 4

Bs.

57.96

9.6

5

Hl.

58.04

9.5

9

Hl.

58.07

10.2

12

Bs.

58.02

10.5 W.

Mean

58.005

9.90

Mag. corr

+0.003

B. D. -8° 6025

$\alpha = 23^h 1^m$
 $\delta = -8^\circ 14'$

1903

Sept. 19

Ei.Y.

59.78

2.1 W.

21

Ei.Y.

59.76

2.3 W.

1904

Sept. 16

Ei.Y.

59.89

2.0 E.

1906

Oct. 6

Ei.P.

59.78

1.0 W.

Mean

59.802

1.85

Mag. corr

+0.007

B. D. -9° 6123

$\alpha = 23^h 2^m$
 $\delta = -9^\circ 21'$

1903

Sept. 24

Ei.Y.

4.55

15.3 W.

25

Ei.Y.

4.55

16.5 W.

1904

Oct. 10

Ei.Y.

4.56

17.2 E.

1906

Sept. 25

Ei.Y.

4.57

16.7 W.

Mean

4.558

16.42

Mag. corr

-0.001

B. D. -12° 6426

$\alpha = 23^h 2^m$
 $\delta = -12^\circ 20'$

1903

Sept. 28

Ei.Y.

10.22

49.0 W.

29

Ei.Y.

10.29

48.8 W.

1904

Oct. 14

Ei.M.

10.28

49.9 E.

1906

Oct. 11

Ei.P.

10.32

48.3 W.

Mean

10.278

49.00

Mag. corr

+0.001

B. D. -1° 4393

$\alpha = 23^h 2^m$
 $\delta = -0^\circ 50'$

1904

July 18

Ei.Y.

38.07

12.8 W.

29

Ei.Y.

38.10

12.2 W.

Oct. 15

Ei.M.

38.04

12.8 E.

1906

Sept. 8

Ei.Y.

38.07

12.0 W.

Mean

38.070

12.45

Mag. corr

+0.007

B. D. -6° 6147

$\alpha = 23^h 2^m$
 $\delta = -6^\circ 14'$

1904

Aug. 3

Ei.Y.

39.94

17.4 W.

6

Ei.Y.

39.89

18.2 W.

Sept. 15

Ei.Y.

39.90

18.8 E.

1906

Oct. 8

Ei.P.

39.91

18.6 W.

Mean

39.910

18.25

Mag. corr

-0.010

5 Andromedæ

$\alpha = 23^h 3^m$
 $\delta = +48^\circ 45'$

1904

Nov. 19

Y.

12.78

5.1 E.

23

M.

12.79

4.7

26

Y.

12.81

4.4

28

M.

12.81

4.2

30

M.

12.81

4.3 E.

1905

Aug. 15

Hl.

12.78

4.6 W.

Oct. 21

Bs.

12.82

4.8

31

Br.

12.81

4.9

Nov. 17

Br.

12.84

5.1

Dec. 1

Br.

12.85

4.9 W.

Mean

12.810

4.70

Mag. corr

-0.007

A Piscium

$\alpha = 23^h 3^m$
 $\delta = +1^\circ 35'$

1903

Sept. 12

Ei.Y.

33.64

0.5 W.

14

Ei.Y.

33.73

0.5

Oct. 20

Br.

33.66

0.3

26

L.

33.73

0.0

27

Br.

33.71

1.7

28

R.

33.69

0.9

29

L.

33.71

0.1

Nov. 3

Br.

33.70

1.1

4

R.

33.68

0.7

6

Br.

33.69

1904

July 12

M.

33.68

1.6 W.

Sept. 7

Ei.Y.

33.67

1.5 E.

1906

Sept. 6

Ei.Y.

33.70

1.6 W.

1907

July 29

Hl.

33.72

1.4 E.

Aug. 11

Hl.

33.65

1.3

13

Hl.

33.76

2.2

25

Hl.

33.74

1.6

Oct. 24

M.

33.73

2.4

25

P.

33.79

1.6 E.

Mean

33.704

1.17

Mag. corr

-0.003

B. D. -3° 5576

$\alpha = 23^h 3^m$
 $\delta = -2^\circ 59'$

1903

Oct. 12

Ei.Y.

55.19

39.6 W.

13

Ei.Y.

55.22

40.0 W.

1904

Oct. 1

Ei.Y.

55.19

39.6 E.

1906

Sept. 7

Ei.Y.

55.19

39.7 W.

Mean

55.198

39.72

Mag. corr

-0.001

c² Aquarii

$\alpha = 23^h 4^m$
 $\delta = -21^\circ 42'$ 6°.953
54''.58

1903

Oct. 4

L.

+0.05

+0.4 W.

1904

July 19

T.

+0.07

+0.5

20

M.

+0.11

+0.4

25

Br.

+0.10

+0.6

31

M.

+0.13

+1.0 W.

1907

July 21

M.

+0.03

-0.3 E.

26

P.

+0.06

+1.1

30

P.

+0.09

+0.7

Aug. 4

Hl.

+0.05

+0.2

Sept. 20

P.

+0.12

+0.6

1909

Sept. 26

P.

+0.16

+1.0

Oct. 24

P.

+0.06

+0.5

Nov. 29

M.

+0.06

+1.8

30

P.

+0.13

+0.8

Dec. 2

M.

+0.05

+1.6

3

P.

+0.15

+0.2

4

L.

+0.12

+1.3

8

M.

+0.07

+0.8

9

L.

+0.08

+0.6

1910

Dec. 8

M.

+0.09

+1.0

22

M.

+0.13

+1.2 E.

Mean

+0.091

+0.76

Mag. corr

-0.004

B. D. +1° 4687

$\alpha = 23^h 4^m$
 $\delta = +1^\circ 36'$

1903

Sept. 15

Ei.Y.

16.01

7.9 W.

18

Ei.Y.

16.01

7.8

22

Ei.Y.

16.07

7.5 W.

1904

Sept. 16

Ei.Y.

16.04

7.6 E.

1906

Oct. 6

Ei.P.

16.02

8.8 W.

Mean

16.030

7.92

Mag. corr

0.000

B. D. -4° 5833

$\alpha = 23^h 4^m$
 $\delta = -4^\circ 30'$

1903

Sept. 19

Ei.Y.

27.18

14.9 W.

21

Ei.Y.

27.23

15.4 W.

1904

Oct. 10

Ei.Y.

27.24

15.2 E.

1906

Sept. 25

Ei.Y.

27.34

14.1 W.

Mean

27.248

14.90

Mag. corr

-0.008

π Cephei

$\alpha = 23^h 4^m$
 $\delta = +74^\circ 50'$ 48''.44

1903

Dec. 23

R.

[-0.04]

[+1.0] W.

1904

Sept. 23

M.

+0.08

+0.4 E.

Oct. 21

Br.

-0.02

+0.1

27

Y.

+0.05

-0.5

29

Y.

-0.06

+0.2

31

M.

-0.09

+0.3 E.

1905

Sept. 18

Hl.

-0.04

+0.2 W.

29

Bs.

+0.05

0.0 W.

1905			1904			B. D. -10° 6082			1903		
Oct. 13 Br.	+0.01	+0.4 W.	Sept. 7 Ei.Y.	16.05	4.8 E.	$\alpha = 23^h 7^m$			Nov. 3 Br.	+0.14	+0.4 W.
Nov. 14 Br.	+0.04	-0.2 W.	1906			$\delta = -10^\circ 6'$			4 R.	+0.06	+0.2
Mean.....	+0.002	+0.10	Sept. 6 Ei.Y.	16.03	4.5 W.				6 Br.	+0.09	...
Mag. corr....	+0.005		Mean.....	16.018	4.50	1903			1904		
π Cephei s. p.			Mag. corr....	-0.009		Sept. 15 Ei.Y.	45.95	50.5 W.	July 14 Ei.Y.	+0.05	+0.5
$\alpha = 23^h 4^m 42^s.985$			B. D. -1° 4401			18 Ei.Y.	45.99	50.3	16 Ei.Y.	+0.04	+1.0 W.
$\delta = +74^\circ 50^m 48^s.43$			$\alpha = 23^h 6^m$			22 Ei.Y.	45.95	49.6 W.	Sept. 15 Ei.Y.	0.00	+0.4 E.
1904			$\delta = -1^\circ 40'$			1904			Oct. 1 Ei.Y.	+0.05	+0.6
Apr. 13 M.	-0.15	+0.4 W.	1903			Oct. 18 Ei.Y.	46.00	50.4 E.	10 Ei.Y.	+0.08	+0.2
18 R.	+0.05	+0.3	Sept. 12 Ei.Y.	33.39	39.6 W.	1906			14 Ei.M.	+0.06	+0.6
19 Br.	+0.05	+2.0	14 Ei.Y.	33.44	39.1 W.	Sept. 25 Ei.Y.	46.01	49.8 W.	22 Ei.M.	+0.04	+1.1
22 Br.	-0.10	+0.4	1904			Mean.....	45.980	50.12	Nov. 15 Br.	+0.07	+1.2
May 4 M.	+0.17	-0.4	Oct. 1 Ei.Y.	33.42	39.0 E.	Mag. corr....	+0.012		17 Y.	+0.05	+0.4
7 M.	-0.01	0.0 W.	1906			B. D. -0° 4483			19 Y.	+0.07	+0.4
1905			Sept. 7 Ei.Y.	33.44	39.3 W.	$\alpha = 23^h 7^m$			23 M.	+0.01	+0.7
Jan. 21 Br.	-0.01	+0.8 E.	Mean.....	33.422	39.25	$\delta = -0^\circ 30'$			26 Y.	+0.04	+1.0
1907			Mag. corr....	-0.017		1903			28 M.	+0.01	+0.7
Apr. 25 M.	+0.18	+0.9	B. D. +37° 4782			Sept. 19 Ei.Y.	52.83	46.5 W.	30 M.	-0.01	+0.5
1908			$\alpha = 23^h 6^m$			21 Ei.Y.	52.78	46.7 W.	Dec. 6 Br.	+0.05	... E.
Jan. 19 Hl.	+0.10	+0.9	$\delta = +37^\circ 21'$			1904			1905		
22 M.	-0.01	-1.2	1907			Oct. 14 Ei.M.	52.84	46.6 E.	Sept. 9 Bs.	+0.03	+1.8 W.
25 P.	-0.14	0.0 E.	Nov. 13 P.	34.71	9.6 E.	1906			26 Hl.	+0.02	+0.5
Mean.....	+0.012	+0.37	16 P.	34.73	9.4 E.	Oct. 11 Ei.P.	52.88	45.7 W.	30 Hl.	+0.10	+1.1
Mag. corr....	+0.004		Nov. 21 L.	34.66	9.4 W.	Mean.....	52.832	46.38	Oct. 13 Br.	+0.04	0.0
B. D. -14° 6413			25 L.	34.69	9.4 W.	Mag. corr....	+0.003		21 Bs.	+0.01	+0.3
$\alpha = 23^h 5^m$			Mean.....	34.698	9.45	5 H ¹ . Cassiopeiae			23 Hl.	+0.03	+0.7
$\delta = -14^\circ 11'$			Mag. corr....	-0.007		$\alpha = 23^h 8^m 29^s.321$			30 Hl.	+0.05	+0.7
1903			59 Pegasi			$\delta = +56^\circ 37' 0''.14$			31 Br.	+0.03	+0.3
Sept. 24 Ei.Y.	5.55	13.5 W.	$\alpha = 23^h 6^m$			1904			Nov. 6 Bs.	+0.08	+0.5
25 Ei.Y.	5.52	14.6 W.	$\delta = +8^\circ 10'$			July 12 M.	-0.02	+0.9 W.	14 Br.	+0.01	+0.5
1904			1903			Sept. 23 M.	-0.13	-0.4 E.	17 Br.	0.00	+0.4
Oct. 14 Ei.M.	5.61	15.3 E.	Oct. 21 R.	41.29	37.7 W.	Oct. 29 Y.	+0.06	+0.1	Dec. 1 Br.	+0.07	+1.2
1906			Nov. 7 R.	41.27	37.5	31 M.	-0.08	-0.1	4 Hl.	+0.09	+0.6
Oct. 11 Ei.P.	5.61	14.1 W.	9 L.	41.25	37.2	Nov. 1 Br.	-0.13	0.0	6 Bs.	+0.02	+0.3
Mean.....	5.572	14.38	10 Br.	41.25	37.0	3 Y.	-0.11	-0.1 E.	7 Hl.	+0.12	+0.2
Mag. corr....	+0.009		12 L.	41.24	38.4	1905			13 Bs.	+0.04	+0.4
B. D. -8° 6040			21 Br.	41.28	37.4	Sept. 27 Bs.	-0.08	+0.2 W.	1906		
$\alpha = 23^h 5^m$			24 Br.	41.30	37.5	Oct. 4 Bs.	-0.21	+0.7	Aug. 15 Hl.	-0.01	...
$\delta = -8^\circ 21'$			27 Br.	41.29	37.4	9 Hl.	-0.13	+0.5	19 Hl.	+0.06	...
1903			30 L.	41.22	37.7	12 Bs.	-0.14	+0.4	Sept. 25 Ei.Y.	+0.03	+1.1
Sept. 28 Ei.Y.	12.20	2.7 W.	Dec. 3 Br.	41.31	37.3	17 Br.	-0.14	+0.2 W.	Oct. 8 Ei.P.	+0.05	+0.2
29 Ei.Y.	12.25	2.8 W.	1904			Mean.....	-0.101	+0.22	13 Ei.P.	+0.06	+0.4
1904			July 11 Br.	41.28	37.8 W.	Mag. corr....	-0.006		25 Hl.	+0.08	+0.3 W.
Oct. 15 Ei.M.	12.21	2.6 E.	1907			B. D. -3° 5592			1907		
1906			July 25 Hl.	41.25	38.2 E.	$\alpha = 23^h 8^m$			July 21 M.	+0.02	+0.2 E.
Sept. 8 Ei.Y.	12.27	2.7 W.	Aug. 1 Hl.	41.27	37.9	$\delta = -3^\circ 10'$			29 Hl.	+0.08	+1.0
Mean.....	12.232	2.70	Sept. 21 P.	41.26	38.2	1903			Aug. 7 P.	0.00	+0.9
Mag. corr....	+0.003		Oct. 19 P.	41.24	38.3	Sept. 24 Ei.Y.	57.71	42.3 W.	11 Hl.	+0.09	+0.9
B. D. -6° 6157			23 P.	41.27	38.4 E.	25 Ei.Y.	57.77	43.0 W.	Oct. 23 P.	+0.04	+1.9
$\alpha = 23^h 5^m$			Mean.....	41.267	37.74	1904			24 M.	+0.03	+1.3
$\delta = -6^\circ 30'$			Mag. corr....	0.000		Oct. 17 Ei.Y.	57.76	43.7 E.	25 P.	+0.04	+0.8
1904			B. D. -12° 6444 (mean)			1906			30 P.	+0.09	+1.7
July 18 Ei.Y.	28.93	10.1 W.	$\alpha = 23^h 6^m$			Sept. 8 Ei.Y.	57.75	42.9 W.	Nov. 4 M.	+0.04	...
29 Ei.Y.	29.00	9.8 W.	$\delta = -12^\circ 28'$			Mean.....	57.748	42.98	5 Hl.	+0.11	...
Sept. 15 Ei.Y.	28.88	10.3 E.	1903			Mag. corr....	+0.009		17 Hl.	+0.09	... E.
1906			Oct. 12 Ei.Y.	45.78	33.6 W.	φ Aquarii			1908		
Oct. 8 Ei.P.	28.96	10.5 W.	13 Ei.Y.	45.83	34.2 W.	$\alpha = 23^h 9^m 8^s.632$			July 18 P.	+0.08	+0.8 W.
Mean.....	28.942	10.18	1904			$\delta = -6^\circ 35' 18''.52$			Sept. 6 P.	+0.05	+1.1
Mag. corr....	+0.012		Sept. 16 Ei.Y.	45.84	33.8 E.	1903			8 P.	+0.06	+0.0
B. D. -11° 6021			1906			Sept. 3 Ei.Y.	+0.12	+0.2 W.	9 Fk.	+0.07	+1.1 W.
$\alpha = 23^h 6^m$			Oct. 6 Ei.P.	45.80	33.1 W.	5 Ei.Y.	+0.05	+0.5	1909		
$\delta = -11^\circ 3'$			Mean.....	45.812	33.68	28 Ei.Y.	+0.05	+0.2	Aug. 30 M.	+0.05	+1.1 E.
1904			Mag. corr....	+0.012		29 Ei.Y.	+0.09	+0.4	Nov. 22 M.	+0.03	+0.3
Aug. 3 Ei.Y.	15.95	4.3 W.	B. D. -11° 6032			Oct. 26 L.	+0.10	+0.3	1910		
6 Ei.Y.	16.04	4.4 W.	$\alpha = 23^h 9^m$			27 Br.	+0.07	+1.6	June 27 L.	....	[+1.6]
			$\delta = -11^\circ 13'$			28 R.	+0.02	+0.5	Aug. 21 L.	+0.09	+1.4
						29 L.	+0.06	-0.4 W.	Sept. 17 L.	+0.10	+0.3
									Oct. 14 P.	+0.03	+1.1 E.
									Mean.....	+0.054	+0.68
									Mag. corr....	+0.005	
									B. D. -11° 6032		
									$\alpha = 23^h 9^m$		
									$\delta = -11^\circ 13'$		
									1904		
									July 18 Ei.Y.	27.53	56.5 W.
									29 Ei.Y.	27.53	56.1 W.

1904 Sept. 7 Ei.Y. 27.53 56.9 E. 1906 Sept. 6 Ei.Y. 27.52 56.0 W. Mean..... 27.528 56.38 Mag. corr.... +0.019 B. D. -12° 6453 $\alpha = 23^h 10^m$ $\delta = -12^\circ 6'$	ψ^1 Aquarii $\alpha = 23^h 10^m$ $\delta = -9^\circ 37'$ 1903 Sept. 24 Ei.Y. 39.29 (55.2)W. 25 Ei.Y. 39.26 56.4 Nov. 9 L. 39.28 57.2 10 Br. 39.32 56.9 12 L. 39.27 56.5 30 L. 39.28 56.6 W. 1904 Sept. 15 Ei.Y. 39.34 57.6 E. 1905 Sept. 29 Bs. 39.40 57.5 W. 1906 Oct. 8 Ei.P. 39.33 56.9 W. 1907 July 26 P. 39.42 56.9 E. 30 P. 39.42 57.3 Aug. 13 Hl. 39.45 57.0 25 Hl. 39.44 56.8 Sept. 20 P. 39.42 57.1 E. Mean..... 39.351 56.98 Mag. corr.... +0.004 B. D. -2° 5914 $\alpha = 23^h 10^m$ $\delta = -1^\circ 58'$	1906 Aug. 19 Hl. +0.01 ... W. Sept. 3 Hl. +0.02 +0.8 25 Ei.Y. +0.07 +0.4 Oct. 6 Ei.P. 0.00 +0.7 13 Ei.P. +0.07 +0.3 W. 1907 July 22 Hl. +0.03 +0.4 E. 25 Hl. +0.13 +0.4 29 Hl. +0.02 +0.7 Aug. 1 Hl. +0.06 +1.1 4 Hl. +0.04 +0.9 Sept. 21 P. +0.06 +0.4 Oct. 19 P. +0.06 +1.0 21 M. +0.07 ... 30 P. +0.09 +1.3 Nov. 4 M. +0.04 +0.8 5 Hl. 0.00 ... 7 M. +0.09 +0.7 13 P. +0.10 +1.1 15 Hl. +0.04 +0.9 16 Hl. +0.04 +0.5 17 Hl. +0.03 ... E. 27 Hl. +0.03 ... E. 1908 July 30 P. +0.10 +0.7 W. Aug. 2 P. +0.02 +0.3 9 P. +0.07 +0.9 Nov. 21 L. +0.10 +0.4 25 L. 0.00 +0.7 Dec. 1 P. +0.04 +0.4 18 P. +0.03 ... W. 1909 July 9 L. +0.08 +0.5 E. 10 P. +0.06 +0.7 Oct. 25 M. +0.04 +0.3 26 P. +0.10 +0.5 27 L. +0.07 +0.5 1910 June 27 L. ... [+0.8] Dec. 22 M. +0.05 +0.7 E. Mean..... +0.059 +0.63 Mag. corr.... -0.004 B. D. -12° 6461 $\alpha = 23^h 12^m$ $\delta = -12^\circ 15'$	B. D. -0° 4498 $\alpha = 23^h 13^m$ $\delta = -0^\circ 1'$ 1903 Sept. 15 Ei.Y. 13.06 18.1 W. 18 Ei.Y. 13.07 17.5 22 Ei.Y. 13.03 17.6 W. 1904 Oct. 17 Ei.Y. 13.03 17.4 E. 1906 Sept. 8 Ei.Y. 13.09 17.4 W. Mean..... 13.056 17.60 Mag. corr.... -0.009 B. D. -2° 5925 $\alpha = 23^h 13^m$ $\delta = -2^\circ 26'$ 1903 Sept. 19 Ei.Y. 18.69 33.7 W. 21 Ei.Y. 18.70 33.2 W. 1904 Sept. 15 Ei.Y. 18.76 33.4 E. 1906 Oct. 8 Ei.P. 18.74 33.6 W. Mean..... 18.722 33.48 Mag. corr.... -0.008 γ Sculptoris $\alpha = 23^h 13^m 25.498$ $\delta = -33^\circ 4' 37''.02$ 1904 Sept. 23 M. +0.05 +0.8 E. 25 M. +0.11 +0.1 Oct. 21 Br. +0.07 -0.1 28 Br. +0.08 +1.1 29 Y. +0.12 +0.7 E. 1905 Aug. 15 Hl. +0.12 0.0 W. Oct. 12 Bs. -0.02 +1.1 17 Br. +0.10 -0.2 21 Bs. +0.10 +0.3 31 Br. +0.11 +0.4 Nov. 17 Br. +0.11 -0.7 W. Mean..... +0.086 +0.32 Mag. corr.... +0.006 ψ^3 Aquarii $\alpha = 23^h 13^m$ $\delta = -10^\circ 9'$ 1903 Sept. 24 Ei.Y. 45.59 (24.2)W. Oct. 4 L. 45.65 26.1 15 Ei.Y. 45.66 26.8 W. 1904 Sept. 7 Ei.Y. 45.67 26.0 E. Nov. 3 Y. 45.61 25.7 5 Y. 45.61 26.1 15 Br. 45.65 25.3 16 M. 45.68 27.0 17 Y. 45.63 26.1 E. 1905 Oct. 13 Br. 45.65 26.2 W. 23 Hl. 45.64 25.9 30 Hl. 45.67 26.0 Nov. 14 Br. 45.64 26.1 1906 Sept. 6 Ei.Y. 45.63 25.6 W. 1909 Aug. 30 M. 45.64 26.1 E. Oct. 24 P. 45.69 25.9 Nov. 29 M. 45.70 25.6 Dec. 2 M. 45.63 26.2 8 M. 45.71 25.6 E.
1904 Aug. 3 Ei.Y. 7.97 34.9 W. 6 Ei.Y. 8.03 35.3 W. Oct. 15 Ei.M. 7.96 35.8 E. 1906 Sept. 7 Ei.Y. 7.90 35.7 W. Mean..... 7.965 35.42 Mag. corr.... +0.006 B. D. -5° 5957 $\alpha = 23^h 10^m$ $\delta = -5^\circ 4'$ 1904 July 14 Ei.Y. 10.56 41.5 W. 16 Ei.Y. 10.56 41.0 W. Sept. 16 Ei.Y. 10.56 41.3 E. 1906 Oct. 6 Ei.P. 10.52 40.9 W. Mean..... 10.550 41.18 Mag. corr.... -0.003 B. D. -4° 5852 $\alpha = 23^h 10^m$ $\delta = -4^\circ 2'$ 1903 Oct. 12 Ei.Y. 25.17 28.4 W. 13 Ei.Y. 25.20 29.2 W. 1904 Oct. 18 Ei.Y. 25.19 29.4 E. 1906 Oct. 11 Ei.P. 25.23 28.3 W. Mean..... 25.198 28.82 Mag. corr.... -0.006 B. D. +0° 4982 $\alpha = 23^h 10^m$ $\delta = +0^\circ 45'$ 1903 Sept. 15 Ei.Y. 32.13 51.2 W. 18 Ei.Y. 32.06 51.3 22 Ei.Y. 32.14 51.3 W. 1904 Oct. 22 Ei.M. 32.19 51.7 E. 1906 Sept. 19 Ei.Y. 32.16 51.2 W. Mean..... 32.136 51.34 Mag. corr.... +0.014 B. D. -13° 6372 $\alpha = 23^h 10^m$ $\delta = -13^\circ 43'$ 1903 Sept. 19 Ei.Y. 38.27 43.5 W. 21 Ei.Y. 38.19 43.5 W. 1904 Oct. 17 Ei.Y. 38.30 43.9 E. 1906 Sept. 8 Ei.Y. 38.32 43.4 W. Mean..... 38.270 43.58 Mag. corr.... +0.009	γ Piscium $\alpha = 23^h 11^m 59.225$ $\delta = +2^\circ 44' 9''.27$ 1903 Sept. 12 Ei.Y. +0.06 -0.2 W. 14 Ei.Y. +0.05 0.0 Dec. 3 Br. +0.03 -0.3 23 R. +0.01 +1.0 1904 July 11 Br. +0.06 +0.6 20 M. +0.09 +0.7 25 Br. +0.06 +1.1 31 M. +0.01 +0.3 Aug. 3 Ei.Y. +0.14 +0.8 6 Ei.Y. +0.07 +0.7 W. Sept. 16 Ei.Y. +0.08 +0.3 E. Oct. 1 Ei.Y. +0.11 +0.8 10 Ei.Y. +0.07 +0.1 14 Ei.M. +0.08 +0.3 E. 1905 Aug. 18 Hl. +0.08 +1.3 W. 23 M. +0.02 +0.9 Sept. 9 Bs. +0.12 +1.8 W.	1903 Sept. 3 Ei.Y. 26.88 33.0 W. 5 Ei.Y. 26.87 33.3 W. 1904 Oct. 18 Ei.Y. 26.88 33.4 E. 1906 Oct. 11 Ei.P. 26.97 32.8 W. Mean..... 26.900 33.12 Mag. corr.... +0.019 B. D. -9° 6160 $\alpha = 23^h 12^m$ $\delta = -9^\circ 43'$ 1903 Oct. 12 Ei.Y. 42.45 42.0 W. 13 Ei.Y. 42.38 42.3 W. 1904 Oct. 22 Ei.M. 42.44 41.8 E. 1906 Sept. 19 Ei.Y. 42.42 42.4 W. Mean..... 42.422 42.12 Mag. corr.... +0.006	

1910 Aug. 21 L. 45.69 26.2 E. Dec. 2 P. 45.59 25.6 E. Mean..... 45.649 26.00 Mag. corr.... -0.001 B. D. -12° 6468 $\alpha = 23^h 13^m$ $\delta = -12^\circ 43'$ 1903 Sept. 28 Ei.Y. 49.17 1.0 W. 29 Ei.Y. 49.15 1.8 W. 1904 Oct. 15 Ei.M. 49.15 1.6 E. 1906 Sept. 7 Ei.Y. 49.17 1.6 W. Mean..... 49.160 1.50 Mag. corr.... +0.010 B. D. -5° 5966 $\alpha = 23^h 14^m$ $\delta = -5^\circ 40'$ 1904 July 18 Ei.Y. 13.03 14.6 W. 29 Ei.Y. 13.04 14.0 W. Sept. 16 Ei.Y. 12.96 15.0 E. 1906 Oct. 6 Ei.P. 13.00 14.5 W. Mean..... 13.008 14.52 Mag. corr.... -0.007 o Cephei $\alpha = 23^h 14^m 31^s.095$ $\delta = +67^\circ 33' 51''.66$ 1903 Oct. 28 R. -0.16 -0.3 W. Nov. 3 Br. -0.03 +0.1 4 R. +0.03 +0.2 9 L. -0.17 +0.5 10 Br. -0.14 +0.4 12 L. -0.11 +1.3 21 Br. -0.09 +0.1 24 Br. -0.01 +0.5 27 Br. -0.09 +1.4 30 L. +0.02 +0.6 W. 1907 July 21 M. -0.04 +0.5 E. Aug. 7 P. -0.06 +0.3 Sept. 20 P. -0.19 +0.7 Oct. 19 P. -0.05 +0.5 23 P. -0.02 +0.2 E. Mean..... -0.074 +0.47 Mag. corr.... +0.001 o Cephei s. p. $\alpha = 23^h 14^m 31^s.125$ $\delta = +67^\circ 33' 51''.71$ 1905 Apr. 22 M. -0.03 +0.4 E. 1906 May 2 Bs. +0.20 +0.1 W. 4 Br. +0.06 -0.8 W. 1907 Apr. 20 P. +0.05 +0.4 E. 1908 Feb. 16 M. -0.04 +0.4 17 Hl. +0.15 -0.3 Mar. 26 M. -0.09 -0.2 E. Dec. 9 M. -0.10 -0.1 W. 18 L. +0.21 +0.6 28 P. -0.06 +0.7 W. 1909 Jan. 1 L. -0.06 -0.7 W. Mean..... +0.026 +0.05 Mag. corr.... +0.001 B. D. -4° 5868 $\alpha = 23^h 15^m$ $\delta = -4^\circ 27'$ 1904 Aug. 3 Ei.Y. 4.88 48.2 W. 6 Ei.Y. 4.91 48.2 W. Oct. 18 Ei.Y. 4.86 48.9 E. 1906 Oct. 13 Ei.P. 4.89 49.2 W. Mean..... 4.885 48.62 Mag. corr.... +0.016 10 Andromedæ $\alpha = 23^h 15^m$ $\delta = +41^\circ 31'$ 1904 Nov. 19 Y. 6.71 50.9 E. 23 M. 6.74 49.9 26 Y. 6.68 51.0 28 M. 6.70 50.1 30 M. 6.68 50.1 E. 1905 Dec. 1 Br. 6.67 50.8 W. 6 Bs. 6.68 50.7 7 Hl. 6.66 49.5 13 Bs. 6.76 50.3 1908 July 18 P. 6.76 50.4 W. Mean..... 6.704 50.37 Mag. corr.... -0.009 B. D. -6° 6191 $\alpha = 23^h 15^m$ $\delta = -6^\circ 27'$ 1903 Sept. 3 Ei.Y. 31.58 14.8 W. 5 Ei.Y. 31.58 14.2 W. 1904 Oct. 1 Ei.Y. 31.61 13.8 E. 1906 Sept. 19 Ei.Y. 31.52 14.0 W. Mean..... 31.572 14.20 Mag. corr.... +0.020 B. D. -11° 6053 $\alpha = 23^h 15^m$ $\delta = -11^\circ 41'$ 1903 Oct. 12 Ei.Y. 40.53 47.4 W. 13 Ei.Y. 40.51 47.2 W. 1904 Oct. 22 Ei.M. 40.58 47.0 E. 1906 Sept. 8 Ei.Y. 40.56 46.4 W. Mean..... 40.545 47.00 Mag. corr.... +0.002 r Pegasi $\alpha = 23^h 15^m 41^s.195$ $\delta = +23^\circ 11' 34''.41$ 1903 Sept. 12 Ei.Y. +0.03 0.0 W. 14 Ei.Y. +0.02 0.4 Nov. 29 Br. +0.07 +0.8 Dec. 3 Br. +0.09 +0.3 1904 July 20 M. +0.03 +1.2 W. 1906 Aug. 19 Hl. +0.04 ... W. Oct. 25 Hl. +0.01 +1.1 W. 1907 July 22 Hl. -0.01 +0.8 E. 25 Hl. +0.07 +1.6 Aug. 4 Hl. +0.08 +1.4 11 Hl. +0.02 +0.7 25 Hl. +0.02 +0.8 Sept. 5 Hl. -0.01 +1.0 Nov. 14 M. +0.07 ... E. 27 Hl. 0.00 ... E. 1908 Aug. 4 P. +0.06 +0.9 W. Sept. 8 P. +0.08 +1.8 9 Fk. +0.04 +0.8 Dec. 1 P. +0.05 +1.1 7 M. +0.08 +0.6 8 P. +0.04 +1.1 15 P. +0.04 +0.9 18 P. +0.04 ... 19 L. -0.03 +0.9 W. 1909 Sept. 28 P. +0.04 +0.6 E. 29 L. +0.02 +0.4 Oct. 22 M. +0.04 +0.5 25 M. +0.02 +0.2 26 P. +0.01 +1.0 27 L. +0.06 -0.2 Nov. 22 M. +0.05 0.0 30 P. +0.04 +1.1 Dec. 1 L. +0.05 +0.5 3 P. +0.04 +1.3 4 L. +0.05 +1.0 1910 Oct. 18 P. +0.03 +0.8 22 L. +0.07 +1.2 28 P. -0.01 +1.2 Nov. 8 P. +0.02 +1.1 11 P. +0.02 +1.5 17 M. +0.02 +0.6 26 L. +0.05 +0.7 Dec. 2 P. +0.02 +0.5 3 L. +0.06 +0.4 7 L. -0.02 +0.6 E. Mean..... +0.036 +0.81 Mag. corr.... +0.002 11 G. Sculptoris $\alpha = 23^h 15^m$ $\delta = -27^\circ 32'$ 1903 Dec. 5 Br. 55.94 2.6 W. 1904 July 31 M. 55.90 3.1 1905 Aug. 23 M. 55.94 3.1 Sept. 9 Bs. 55.88 2.2 W. 1907 July 26 P. 55.95 3.9 E. Oct. 21 M. 55.89 2.4 24 M. 55.94 2.0 25 P. 55.92 3.0 29 Hl. 56.00 2.8 E. 1908 Aug. 12 Fk. 55.94 3.7 W. Sept. 6 P. 55.92 3.3 W. Mean..... 55.929 2.92 Mag. corr.... -0.005 B. D. -9° 6173 $\alpha = 23^h 16^m$ $\delta = -9^\circ 13'$ 1903 Sept. 15 Ei.Y. 0.49 18.9 W. 18 Ei.Y. 0.52 18.7 22 Ei.Y. 0.52 18.9 W. 1904 Sept. 15 Ei.Y. 0.55 19.0 E. 1906 Oct. 8 Ei.P. 0.53 19.1 W. Mean..... 0.522 18.92 Mag. corr.... +0.007 B. D. -7° 5993 $\alpha = 23^h 16^m$ $\delta = -7^\circ 34'$ 1903 Sept. 24 Ei.Y. 4.26 12.6 W. Oct. 15 Ei.Y. 4.40 14.6 W. 1904 Oct. 17 Ei.Y. 4.33 14.3 E. 1906 Sept. 6 Ei.Y. 4.34 14.3 W. Mean..... 4.332 13.95 Mag. corr.... -0.001 B. D. +1° 4714 $\alpha = 23^h 16^m$ $\delta = +1^\circ 39'$ 1903 Sept. 19 Ei.Y. 4.82 0.6 W. 21 Ei.Y. 4.78 0.9 W. 1904 Sept. 7 Ei.Y. 4.83 1.1 E. 1906 Sept. 7 Ei.Y. 4.79 1.1 W. Mean..... 4.805 0.92 Mag. corr.... 0.000 B. D. -5° 5973 $\alpha = 23^h 16^m$ $\delta = -5^\circ 13'$ 1903 Sept. 28 Ei.Y. 12.25 10.8 W. 29 Ei.Y. 12.27 11.0 W. 1904 Sept. 16 Ei.Y. 12.28 11.0 E. 1906 Oct. 6 Ei.P. 12.20 10.2 W. Mean..... 12.250 10.75 Mag. corr.... +0.015 B. D. +37° 4820 $\alpha = 23^h 16^m$ $\delta = +38^\circ 2'$ 1907 Nov. 13 P. 28.94 5.3 E. 16 P. 28.92 5.2 E. 1908 Nov. 21 L. 28.94 5.5 W. 25 L. 28.90 5.6 W. Mean..... 28.925 5.40 Mag. corr.... +0.002 B. D. -13° 6391 $\alpha = 23^h 16^m$ $\delta = -12^\circ 59'$ 1904 July 18 Ei.Y.

B. D. -10° 6098 $\alpha = 23^h 16^m$ $\delta = -10^\circ 18'$			B. D. -10° 6105 $\alpha = 23^h 18^m$ $\delta = -9^\circ 55'$			1904 Oct. 22 Ei.M. 10.52 2.4 E. 1906 Sept. 8 Ei.Y. 10.53 2.8 W. Mean..... 10.518 2.55 Mag. corr..... +0.014			1903 Nov. 24 Br. +0.06 -0.2 W. 27 Br. +0.06 +0.6 29 Br. -0.02 +0.8 30 L. +0.06 -0.2 W. 1907 July 21 M. +0.06 +0.3 E. 26 P. +0.02 +0.7 29 Hl. +0.11 +0.3 Aug. 1 Hl. 0.00 0.0 11 Hl. +0.16 +0.2 E. Mean..... +0.026 +0.10 Mag. corr..... 0.000		
1904 Aug. 6 Ei.Y. 39.35 32.2 W. 11 Ei.Y. 39.44 32.6 W. Oct. 18 Ei.Y. 39.44 34.1 E. 1906 Oct. 11 Ei.P. 39.39 31.9 W. Mean..... 39.405 32.70 Mag. corr..... +0.006			1903 Sept. 15 Ei.Y. 6.16 60.3 W. 18 Ei.Y. 6.00 60.2 22 Ei.Y. 6.11 59.7 W. 1904 Sept. 7 Ei.Y. 6.15 59.9 E. 1906 Sept. 6 Ei.Y. 6.16 60.1 W. Mean..... 6.116 60.04 Mag. corr..... +0.002			ν Pegasi. $\alpha = 23^h 20^m 23^s.320$ $\delta = +22^\circ 51' 12''.78$ 1903 Dec. 3 Br. +0.03 +0.3 W. 7 R. +0.02 +0.4 23 R. +0.02 +1.9 1904 July 19 T. 0.00 +0.4 20 M. -0.04 +0.2 31 M. +0.02 +0.2 Aug. 12 T. -0.06 -0.2 W. Sept. 23 M. 0.00 +0.2 E. 25 M. +0.01 +0.3 Oct. 21 Br. +0.01 +1.2 23 Br. +0.04 +0.4 28 Br. -0.02 +1.0 29 Y. +0.07 +1.4 Nov. 1 Br. +0.03 +1.6 3 Y. +0.06 +1.3 5 Y. -0.01 +1.0 15 Br. 0.00 +1.9 16 M. +0.02 +0.4 17 Y. 0.00 +1.2 19 Y. +0.02 +1.1 23 M. +0.02 +1.2 26 Y. +0.01 +0.9 28 M. -0.05 +0.8 Dec. 6 Br. -0.02 ... E. 1905 Aug. 23 M. +0.02 +0.8 W. Sept. 7 Hl. ... +1.2 9 Bs. 0.00 +1.4 18 Hl. -0.02 +1.5 26 Hl. +0.01 +2.0 Dec. 1 Br. +0.02 +1.4 6 Bs. -0.03 +0.1 13 Bs. +0.02 +0.4 1906 Aug. 19 Hl. -0.01 ... Oct. 13 Ei.P. +0.01 +0.3 W. 1907 Nov. 17 Hl. +0.06 ... E. 1908 Aug. 4 P. +0.01 +0.9 W. 12 Fk. +0.07 +0.6 Sept. 14 M. -0.02 +0.7 15 P. +0.02 +1.7 Dec. 18 P. +0.02 ... W. 1910 Oct. 22 L. +0.08 +1.4 E. 28 P. -0.04 +1.4 Nov. 8 P. +0.01 +1.5 E. Mean..... +0.010 +0.93 Mag. corr.... +0.004			B. D. +38° 4999 $\alpha = 23^h 21^m$ $\delta = +38^\circ 47'$ 1907 Nov. 13 P. 10.70 25.0 E. 16 P. 10.68 25.8 E. 1908 Nov. 21 L. 10.65 25.2 W. 25 L. 10.61 24.7 W. Mean..... 10.660 25.18 Mag. corr..... +0.003		
δ^1 Aquarii $\alpha = 23^h 17^m$ $\delta = -20^\circ 38'$ 1903 Oct. 4 L. 43.13 47.1 W. 1905 Oct. 9 Hl. 43.20 47.6 12 Bs. 43.15 46.0 17 Br. 43.21 46.6 21 Bs. 43.11 47.3 W. 1907 Aug. 7 P. 43.09 47.9 E. 13 Hl. 43.28 47.9 Nov. 11 M. 43.12 47.6 14 M. 43.17 47.3 29 Hl. 43.16 47.8 1909 Oct. 24 P. 43.16 47.7 Nov. 29 M. 43.14 47.0 30 P. 43.12 47.2 Dec. 2 M. 43.15 47.0 3 P. 43.16 47.0 4 L. 43.14 47.2 8 M. 43.09 47.2 1910 Dec. 8 M. 43.14 47.7 22 M. 43.14 47.3 E. Mean..... 43.151 47.28 Mag. corr..... +0.006			B. D. -4° 5879 $\alpha = 23^h 18^m$ $\delta = -3^\circ 45'$ 1903 Sept. 19 Ei.Y. 14.31 48.5 W. 21 Ei.Y. 14.25 48.7 W. 1904 Oct. 15 Ei.M. 14.30 48.7 E. 1906 Sept. 7 Ei.Y. 14.29 48.2 W. Mean..... 14.288 48.52 Mag. corr..... -0.006 B. D. -0° 4509 $\alpha = 23^h 18^m$ $\delta = -0^\circ 15'$ 1903 Sept. 24 Ei.Y. 24.17 25.9 W. Oct. 15 Ei.Y. 24.20 28.2 W. 1904 Sept. 16 Ei.Y. 24.16 28.2 E. 1906 Oct. 6 Ei.P. 24.17 27.1 W. Mean..... 24.175 27.35 Mag. corr..... +0.017			B. D. -7° 6012 $\alpha = 23^h 21^m$ $\delta = -7^\circ 9'$ 1903 Sept. 3 Ei.Y. 24.16 25.6 W. 5 Ei.Y. 24.13 25.5 W. 1904 Sept. 15 Ei.Y. 24.11 24.8 E. 1906 Oct. 8 Ei.P. 24.13 25.2 W. Mean..... 24.132 25.28 Mag. corr..... +0.008					
B. D. +2° 4660 $\alpha = 23^h 17^m$ $\delta = +2^\circ 16'$ 1903 Sept. 3 Ei.Y. 46.81 12.6 W. 5 Ei.Y. 46.79 12.8 W. 1904 Oct. 22 Ei.M. 46.80 12.8 E. 1906 Sept. 8 Ei.Y. 46.78 13.7 W. Mean..... 46.795 12.98 Mag. corr..... +0.013			B. D. -1° 4427 $\alpha = 23^h 18^m$ $\delta = -1^\circ 25'$ 1903 Sept. 28 Ei.Y. 36.06 52.5 W. 29 Ei.Y. 36.15 52.0 W. 1904 Oct. 18 Ei.Y. 36.07 52.3 E. 1906 Oct. 11 Ei.P. 36.05 52.3 W. Mean..... 36.082 52.28 Mag. corr..... -0.006 B. D. -8° 6103 $\alpha = 23^h 18^m$ $\delta = -8^\circ 5'$ 1904 July 18 Ei.Y. 55.00 58.1 W. 29 Ei.Y. 55.07 57.9 W. Oct. 1 Ei.Y. 55.06 58.3 E. 1906 Sept. 19 Ei.Y. 54.97 58.3 W. Mean..... 55.025 58.15 Mag. corr..... +0.001			B. D. -10° 6114 $\alpha = 23^h 21^m$ $\delta = -10^\circ 35'$ 1903 Oct. 12 Ei.Y. 24.97 2.5 W. 13 Ei.Y. 25.03 3.4 W. 1904 Sept. 7 Ei.Y. 25.01 2.6 E. 1906 Sept. 6 Ei.Y. 25.07 2.3 W. Mean..... 25.020 2.70 Mag. corr..... -0.006					
B. D. -11° 6064 $\alpha = 23^h 17^m$ $\delta = -11^\circ 19'$ 1903 Oct. 12 Ei.Y. 50.10 10.8 W. 13 Ei.Y. 50.10 11.0 W. 1904 Sept. 15 Ei.Y. 50.10 10.9 E. 1906 Oct. 8 Ei.P. 50.28 10.9 W. Mean..... 50.145 10.90 Mag. corr..... -0.001			B. D. +2° 4663 (fol.) $\alpha = 23^h 19^m$ $\delta = +3^\circ 10'$ 1904 Aug. 3 Ei.Y. 10.47 2.2 W. 6 Ei.Y. 10.55 2.8 W.			4 Cassiopeiae $\alpha = 23^h 20^m 23^s.577$ $\delta = +61^\circ 44' 1''.51$ 1903 Oct. 28 R. +0.02 -0.5 W. Nov. 3 Br. -0.03 -0.3 4 R. +0.10 0.0 6 Br. -0.12 ... 7 R. +0.02 -0.7 9 L. -0.05 0.0 10 Br. +0.02 +0.3 12 L. -0.04 +0.4 21 Br. +0.04 0.0 W.			B. D. -6° 6213 $\alpha = 23^h 21^m$ $\delta = -5^\circ 46'$ 1903 Sept. 15 Ei.Y. 29.47 57.5 W. 18 Ei.Y. 29.50 56.7 22 Ei.Y. 29.52 57.0 W. 1904 Oct. 17 Ei.Y. 29.50 56.7 E. 1906 Sept. 7 Ei.Y. 29.51 57.0 W. Mean..... 29.500 56.98 Mag. corr..... -0.003		
						B. D. +1° 4724 $\alpha = 23^h 21^m$ $\delta = +1^\circ 55'$ 1903 Sept. 19 Ei.Y. 37.12 40.1 W. 21 Ei.Y. 37.12 41.1 W.					

1904 Sept. 16 Ei.Y. 37.14 40.6 E. 1906 Oct. 6 Ei.P. 37.13 41.7 W. Mean..... 37.128 40.88 Mag. corr.... +0.014	B. D. -3° 5639 $\alpha = 23^h 22^m$ $\delta = -3^\circ 11'$ 1903 Sept. 28 Ei.Y. 5.28 5.7 W. 29 Ei.Y. 5.29 4.7 W. 1904 Oct. 1 Ei.Y. 5.37 5.0 E. 1906 Sept. 19 Ei.Y. 5.29 5.5 W. Mean..... 5.308 5.22 Mag. corr.... +0.005	1909 Sept. 28 P. +0.07 +1.4 E. 29 L. +0.07 +0.3 Oct. 24 P. 0.00 +0.5 25 M. +0.06 +0.3 26 P. +0.04 +0.9 Nov. 30 P. +0.03 +0.8 Dec. 8 M. +0.06 +0.9 1910 Oct. 18 P. +0.04 +0.6 22 L. +0.12 +0.6 28 P. +0.03 +1.1 Nov. 8 P. -0.01 +1.5 11 P. +0.01 +1.1 17 M. +0.05 +1.1 26 L. +0.05 +1.0 Dec. 3 L. +0.06 +0.8 8 M. +0.05 +0.7 E. 9 P. +0.05 +0.7 E. Mean..... +0.043 +0.53 Mag. corr.... +0.004	B. D. -2° 5973 $\alpha = 23^h 24^m$ $\delta = -2^\circ 20'$ 1903 Sept. 15 Ei.Y. 19.09 30.0 W. 18 Ei.Y. 19.07 29.5 22 Ei.Y. 19.08 29.3 W. 1904 Sept. 16 Ei.Y. 19.04 29.6 E. 1906 Oct. 6 Ei.P. 19.04 29.2 W. Mean..... 19.064 29.52 Mag. corr.... +0.016
κ Piscium $\alpha = 23^h 21^m 48^s.422$ $\delta = +0^\circ 42' 28''.79$ 1903 Sept. 24 Ei.Y. 0.00 +1.6 W. Oct. 4 L. +0.03 +0.4 15 Ei.Y. +0.08 -0.1 19 Ei.Y. -0.01 +0.2 Dec. 5 Br. 0.00 0.0 W. 1904 Oct. 13 Ei.Y. +0.03 +0.6 E. 15 Ei.M. +0.04 +0.2 18 Ei.Y. +0.01 -0.2 E. 1905 Oct. 9 Hl. +0.01 +0.9 W. 12 Bs. -0.01 +1.4 13 Br. +0.02 +0.1 17 Br. +0.03 +0.4 21 Bs. +0.04 +1.3 28 Bs. +0.02 -0.4 30 Hl. +0.01 +0.5 31 Br. +0.02 -0.2 Nov. 14 Br. +0.01 0.0 17 Br. +0.03 +0.1 1906 Sept. 20 Ei.Y. +0.06 +0.2 Oct. 11 Ei.P. +0.01 +1.0 13 Ei.P. -0.03 -0.2 25 Hl. 0.00 +1.1 W. 1907 Aug. 25 Hl. +0.04 +0.9 E. Sept. 5 Hl. +0.02 -0.1 Oct. 21 M. -0.03 ... 23 P. +0.02 +0.8 24 M. 0.00 ... 29 Hl. +0.04 ... E. 1908 Sept. 6 P. +0.01 +0.3 W. 8 P. +0.02 +0.9 9 Fk. +0.01 +0.6 16 Fk. +0.04 +0.6 Dec. 1 P. +0.04 ... 8 P. -0.02 +1.1 15 P. -0.01 -0.1 18 P. -0.02 ... W. 1909 July 7 M. [+0.09] [-0.2] E. 8 P. [+0.12] [+0.4] Sept. 28 P. 0.00 +1.2 29 L. +0.05 0.0 Oct. 22 M. +0.02 +1.3 25 M. +0.02 +0.7 26 P. +0.07 +1.0 27 L. +0.08 +0.1 Nov. 21 P. +0.05 -0.2 22 M. +0.01 +0.3 29 M. 0.00 +1.3 Dec. 3 P. +0.03 +1.0 1910 June 27 L. [+0.8] Sept. 17 L. +0.02 +0.8 Oct. 18 P. +0.07 +1.1 E. Mean..... +0.020 +0.52 Mag. corr.... +0.001	B. D. +0° 4999 $\alpha = 23^h 22^m$ $\delta = +0^\circ 34'$ 1904 July 18 Ei.Y. 7.45 24.0 W. 29 Ei.Y. 7.50 24.7 W. Oct. 22 Ei.M. 7.44 24.1 E. 1906 Sept. 8 Ei.Y. 7.49 24.4 W. Mean..... 7.470 24.30 Mag. corr.... +0.019 B. D. -12° 6496 $\alpha = 23^h 22^m$ $\delta = -11^\circ 59'$ 1904 Aug. 3 Ei.Y. 53.06 58.4 W. 6 Ei.Y. 53.04 58.2 W. Sept. 15 Ei.Y. 53.01 58.6 E. 1906 Oct. 8 Ei.P. 53.03 58.7 W. Mean..... 53.035 58.48 Mag. corr.... +0.017 θ Piscium $\alpha = 23^h 22^m 53^s.634$ $\delta = +5^\circ 49' 46''.67$ 1903 Oct. 15 Ei.Y. +0.05 -0.1 W. 19 Ei.Y. +0.05 -0.1 1904 July 18 Ei.Y. +0.10 +0.2 25 Br. +0.03 +1.0 29 Ei.Y. +0.05 +0.4 W. Oct. 13 Ei.Y. +0.02 0.0 E. 15 Ei.M. +0.02 0.0 E. 1905 Aug. 15 Hl. +0.03 -1.0 W. 1906 Sept. 20 Ei.Y. +0.03 +0.1 W. 1907 Aug. 7 P. +0.04 -0.3 E. 13 Hl. +0.10 +1.3 Oct. 24 M. 0.00 +0.9 25 P. +0.07 +0.1 Nov. 5 Hl. -0.05 +0.2 7 M. +0.04 +0.7 11 M. +0.05 +0.4 14 M. +0.05 +0.6 29 Hl. +0.05 +0.9 E. 1908 July 30 P. +0.05 +0.2 W. Aug. 2 P. +0.02 +0.5 4 P. 0.00 ... 9 P. +0.09 +0.6 Dec. 1 P. +0.02 +0.1 18 P. +0.07 ... W. 1909 July 9 L. [+0.08] [+0.8] E. 10 P. [+0.06] [+0.7] E.	B. D. -8° 6118 $\alpha = 23^h 23^m$ $\delta = -7^\circ 57'$ 1903 Sept. 3 Ei.Y. 46.68 9.9 W. 5 Ei.Y. 46.58 9.7 W. 1904 Sept. 7 Ei.Y. 46.67 9.1 E. 1906 Sept. 6 Ei.Y. 46.65 9.2 W. Mean..... 46.645 9.48 Mag. corr.... -0.001 B. D. -10° 6120 $\alpha = 23^h 23^m$ $\delta = -9^\circ 48'$ 1903 Oct. 12 Ei.Y. 50.29 58.2 W. 13 Ei.Y. 50.33 58.5 W. 1904 Oct. 17 Ei.Y. 50.26 58.9 E. 1906 Sept. 7 Ei.Y. 50.33 58.8 W. Mean..... 50.302 58.60 Mag. corr.... +0.017 70 Pegasi $\alpha = 23^h 24^m 5^s.824$ $\delta = +12^\circ 12' 32''.01$ 1904 July 20 M. +0.05 +0.9 W. 31 M. +0.05 +0.5 W. Nov. 26 Y. 0.00 +1.1 E. 1905 Aug. 17 Br. +1.0 W. 23 M. +0.01 +1.2 Sept. 7 Hl. +0.05 +0.7 1906 Sept. 3 Hl. +0.04 +0.8 W. 1907 July 25 Hl. +0.10 +0.6 E. 26 P. -0.03 +1.3 29 Hl. +0.04 +0.6 Sept. 21 P. 0.00 +0.8 E. Mean..... +0.031 +0.86 Mag. corr.... +0.001	B. D. -5° 5999 $\alpha = 23^h 24^m$ $\delta = -5^\circ 4'$ 1903 Sept. 19 Ei.Y. 21.95 39.2 W. 21 Ei.Y. 21.95 39.8 W. 1904 Oct. 18 Ei.Y. 21.97 39.7 E. 1906 Oct. 11 Ei.P. 21.97 39.1 W. Mean..... 21.960 39.45 Mag. corr.... +0.019 B. D. -1° 4443 $\alpha = 23^h 24^m$ $\delta = -1^\circ 35'$ 1903 Sept. 24 Ei.Y. 22.66 7.5 W. 25 Ei.Y. 22.63 9.6 W. 1904 Oct. 1 Ei.Y. 22.68 8.9 E. 1906 Sept. 19 Ei.Y. 22.64 9.7 W. Mean..... 22.652 8.92 Mag. corr.... +0.010 B. D. +37° 4852 $\alpha = 23^h 24^m$ $\delta = +38^\circ 5'$ 1907 Nov. 13 P. 43.76 32.7 E. 16 P. 43.70 33.0 E. 1908 Nov. 21 L. 43.72 32.8 W. 25 L. 43.69 32.5 W. Mean..... 43.718 32.75 Mag. corr.... 0.000 1 H. Cassiopeiae $\alpha = 23^h 25^m$ $\delta = +57^\circ 59'$ 1903 Oct. 4 L. 24.79 51.4 W. 28 R. 24.71 50.6 Nov. 4 R. 24.77 51.6 6 Br. 24.58 ... 7 R. 24.73 51.0 9 L. 24.71 51.0 10 Br. 24.74 51.0 12 L. 24.

1907 Aug. 25 Hl. Oct. 19 P. 30 P.	s 24.72 24.73 24.74	" 51.2 E. 51.4 52.4 E.	B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	39 H. Cephei. $\alpha = 23^h 27^m 48^s.359$ $\delta = +86^\circ 45' 21''.31$	1907 Apr. 19 Hl. 24 P. 30 Hl. May 4 P. Dec. 15 M. 27 P.	s +1.67 +0.90 +1.91 -0.32 +1.38 +1.98	" -0.4 E. +0.7 +0.3 +1.1 ... -0.1	
Mean..... Mag. corr.....	24.716 +0.001	51.26	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Dec. 3 Br. 5 Br.	1908 Jan. 14 M. 19 Hl. Mar. 25 P. Dec. 3 M. 7 P. 9 M. 18 L. 27 M. 28 P.	1908 +0.57 +1.76 +1.68 [+1.47] +1.40 +1.04 +1.68 +1.29 +1.40	0.0 0.5 +0.1 E. [-0.2] W. -0.2 -0.3 -0.4 -0.6 -0.5	
B. D. +0° 5009 $\alpha = 23^h 25^m$ $\delta = +0^\circ 19'$			1904 Oct. 18 Ei.Y. 1906 Oct. 11 Ei.P.	1904 Sept. 23 M. 25 M. Oct. 21 Br. 23 Br. 28 Br. Nov. 3 Y.	1909 Jan. 1 L. 12 L. 18 P. Mar. 30 P. Apr. 2 P. 4 P. 24 L. 28 L. Dec. 3 L. 4 P. 10 M. 16 L. 17 M. 20 P. 22 M. 23 P. 26 M.	1909 +1.85 +1.12 +1.34 +1.30 +1.59 +1.19 +1.85 +1.12 +1.76 +1.21 +0.98 +1.13 +1.57 +1.55 +1.35 +1.12 +1.06 +0.74 +0.27 +0.94 +1.34 +1.34 +1.68 +1.56 +1.84 +1.95 +0.59 +1.06 +1.52 +1.28 +1.53 +1.60 +2.14 +1.22 +1.88 +1.62 +1.51 +1.12 +1.94 +0.85 +1.86 +1.371 -0.004	+0.4 E. -0.3 W. -1.1 -0.3 -0.4 E. +0.4 E. +0.4 W. +0.2 +0.2 +0.2 +0.4 0.0 -0.6 -0.2 +0.2 -0.2 +0.6 +0.2 +0.4 W. +0.1 E. +0.1 +0.3 +0.2 +0.5 +0.2 -0.1 -0.2 -0.2 +0.3 +0.7 +0.3 -0.4 +1.3 -0.2 0.0 0.0 +0.7 +0.3 -0.4 +0.1 E. 0.00 -0.004	
Mean..... Mag. corr.....	33.432 +0.006	35.05	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	+1.288 -0.003	-0.02	
B. D. -7° 6036 $\alpha = 23^h 25^m$ $\delta = -6^\circ 50'$			B. D. -12° 6510 $\alpha = 23^h 27^m$ $\delta = -12^\circ 5'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	δ^s Aquarii $\alpha = 23^h 28^m$ $\delta = -21^\circ 28'$		
1903 Oct. 15 Ei.Y. 19 Ei.Y.	s 51.79 51.74	" 19.6 W. 19.7 W.	1903 Sept. 19 Ei.Y. 21 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1903 Dec. 7 R. 23 R.	1903 2.68 2.72	0.0 +0.2 +0.5 +0.8 -0.6 -0.3 -1.0 +0.9 -0.2 +0.5 E.
1904 Sept. 15 Ei.Y. 1906 Oct. 8 Ei.P.	s 51.74 51.70	" 19.0 E. 20.6 W.	1904 Oct. 1 Ei.Y. 1906 Sept. 19 Ei.Y.	1904 Oct. 22 Ei.M. 1906 Sept. 8 Ei.Y.	1904 Sept. 15 Ei.Y. 1906 Oct. 8 Ei.P.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	51.742 +0.019	19.72	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. +1° 4731 $\alpha = 23^h 25^m$ $\delta = +1^\circ 48'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1904 Aug. 6 Ei.Y. 11 Ei.Y. Sept. 7 Ei.Y. 1906 Sept. 6 Ei.Y.	s 59.50 59.39 59.44 59.48	" 48.6 W. 48.0 W. 48.0 E. 48.4 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	59.452 +0.010	48.25	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -4° 5896 $\alpha = 23^h 26^m$ $\delta = -4^\circ 38'$			B. D. -12° 6510 $\alpha = 23^h 27^m$ $\delta = -12^\circ 5'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Sept. 3 Ei.Y. 5 Ei.Y.	s 21.69 21.68	" 2.6 W. 2.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	21.650 +0.017	2.50	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -4^\circ 57'$		
1903 Oct. 12 Ei.Y. 13 Ei.Y.	s 36.14 36.10	" 47.6 W. 48.1 W.	1903 Sept. 15 Ei.Y. 18 Ei.Y. 22 Ei.Y.	1903 Sept. 24 Ei.Y. 25 Ei.Y.	1903 Sept. 28 Ei.Y. 29 Ei.Y.	1904 July 19 T. 20 M. 25 Br. 31 M. Aug. 4 Br. 12 T.	1904 2.76 2.72 2.68 2.68 2.70 2.73	0.9 0.7 0.9 1.3 0.4 1.6 W.
Mean..... Mag. corr.....	36.125 -0.008	47.75	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	Mean..... Mag. corr.....	2.719 +0.002	1.10
B. D. -9° 6206 $\alpha = 23^h 26^m$ $\delta = -8^\circ 52'$			B. D. -1° 4450 $\alpha = 23^h 26^m$ $\delta = -1^\circ 38'$	B. D. -11° 6098 $\alpha = 23^h 27^m$ $\delta = -11^\circ 33'$	B. D. -3° 5655 $\alpha = 23^h 27^m$ $\delta = -3^\circ 34'$	B. D. -5° 6011 $\alpha = 23^h 28^m$ $\delta = -$		

1904	s	"	1906	s	"	1904	s	"	1904	s	"
Oct. 17 Ei.Y.	19.61	11.3 E.	Sept. 19 Ei.Y.	18.60	4.7 W.	Sept. 7 Ei.Y.	22.57	3.8 E.	Sept. 22 T.	+0.06	+1.0 E.
1906						1906			Nov. 5 Y.	0.00	+0.4
Sept. 7 Ei.Y.	19.63	11.3 W.	Mean.....	18.598	4.64	Sept. 6 Ei.Y.	22.63	3.8 W.	15 Br.	-0.09	+0.6
Mean.....	19.635	11.25	Mag. corr....	+0.014		1907			16 M.	-0.08	-0.3
Mag. corr....	+0.010					Aug. 7 P.	22.58	4.0 E.	17 Y.	0.00	+0.4 E.
B. D. -3° 5661			15 Andromedæ			Nov. 11 M.	22.58	3.5	1905		
$\alpha = 23^h 28^m$			$\alpha = 23^h 29^m$			29 Hl.	22.63	2.9	Dec. 18 Bs.	+0.03	+0.4 W.
$\delta = -2^\circ 47'$			$\delta = +39^\circ 41'$			30 P.	22.56	3.2	1908		
1903	s	"	1904	s	"	Dec. 2 M.	22.53	3.4 E.	Aug. 4 P.	+0.01	+0.6
Sept. 3 Ei.Y.	33.38	46.6 W.	Nov. 19 Y.	43.86	6.9 E.	Mean.....	22.594	3.82	9 P.	+0.04	-0.1
5 Ei.Y.	33.29	46.3 W.	23 M.	43.95	6.0	Mag. corr....	+0.011		12 Fk.	-0.05	+0.2 W.
1904			26 Y.	43.86	6.4 E.	B. D. -6° 6239			Mean.....	-0.009	+0.35
Sept. 16 Ei.Y.	33.40	46.6 E.	1905			$\alpha = 23^h 30^m$			Mag. corr....	-0.008	
1906			Aug. 23 M.	43.92	5.8 W.	$\delta = -6^\circ 18'$			B. D. -4° 5917		
Oct. 6 Ei.P.	33.32	46.1 W.	Sept. 26 Hl.	43.87	7.2	1903			$\alpha = 23^h 33^m$		
Mean.....	33.348	46.40	Nov. 21 Br.	43.91	5.2	Oct. 15 Ei.Y.			$\delta = -4^\circ 18'$		
Mag. corr....	+0.003		Dec. 1 Br.	43.86	7.0	19 Ei.Y.			1903		
72 Pegasi			6 Bs.	43.93	6.5	1904			Sept. 15 Ei.Y.		
$\alpha = 23^h 28^m 59^s.464$			13 Bs.	43.96	6.4 W.	Oct. 17 Ei.Y.			18 Ei.Y.		
$\delta = +30^\circ 46' 24''.21$			1907			1906			22 Ei.Y.		
1905	s	"	Nov. 16 P.	43.91	6.3 E.	Sept. 7 Ei.Y.			Oct. 22 Ei.M.		
Oct. 12 Bs.	-0.03	+1.0 W.	25 M.	43.87	5.8 E.	Mean.....			1906		
17 Br.	-0.01	0.0	1908			Mag. corr....			Sept. 20 Ei.Y.		
21 Bs.	+0.02	-0.1	Nov. 21 L.	43.93	6.0 W.	B. D. -9° 6220			Mean.....		
31 Br.	+0.03	0.0	25 L.	43.86	6.3 W.	$\alpha = 23^h 30^m$			Mag. corr....		
Nov. 17 Br.	+0.02	-0.2 W.	Mean.....	43.899	6.29	$\delta = -9^\circ 19'$			B. D. -9° 6224		
1907			Mag. corr....	-0.004		1904			$\alpha = 23^h 33^m$		
July 26 P.	-0.01	+0.1 E.	B. D. -11° 6110			Aug. 3 Ei.Y.			$\delta = -9^\circ 10'$		
30 P.	0.00	-0.1	$\alpha = 23^h 30^m$			6 Ei.Y.			1903		
Aug. 4 Hl.	+0.03	+0.2	$\delta = -11^\circ 6'$			Sept. 16 Ei.Y.			Sept. 19 Ei.Y.		
13 Hl.	+0.10	+0.3	1903	s	"	1906			21 Ei.Y.		
Sept. 21 P.	+0.04	+0.2 E.	Sept. 19 Ei.Y.	17.20	28.3 W.	Oct. 6 Ei.P.			1904		
Mean.....	+0.019	+0.14	21 Ei.Y.	17.22	28.2 W.	Mean.....			Sept. 15 Ei.Y.		
Mag. corr....	-0.001		1904			Mag. corr....			1906		
14 Piscium			Oct. 22 Ei.M.	17.21	27.5 E.	B. D. +2° 4686			Oct. 8 Ei.P.		
$\alpha = 23^h 29^m$			1906			$\alpha = 23^h 30^m$			Mean.....		
$\delta = -1^\circ 47'$			Sept. 8 Ei.Y.	17.29	27.4 W.	$\delta = +2^\circ 35'$			Mag. corr....		
1903	s	"	Mean.....	17.230	27.85	1903			Andromedæ		
Oct. 4 L.	0.57	58.9 W.	Mag. corr....	+0.008		Sept. 3 Ei.Y.			$\alpha = 23^h 33^m 13^s.820$		
12 Ei.Y.	0.52	58.2	B. D. +0° 5018			5 Ei.Y.			$\delta = +42^\circ 42' 52''.04$		
13 Ei.Y.	0.55	58.9 W.	$\alpha = 23^h 30^m$			1904			1905		
1904			$\delta = +0^\circ 45'$			Oct. 18 Ei.Y.			Aug. 17 Br.		
Oct. 18 Ei.Y.	0.55	59.1 E.	1903	s	"	1906			23 M.		
1905			Sept. 24 Ei.Y.	21.79	40.9 W.	Oct. 11 Ei.P.			Sept. 7 Hl.		
Aug. 15 Hl.	0.60	58.5 W.	25 Ei.Y.	21.80	39.4 W.	Mean.....			30 Hl.		
1906			1904			Mag. corr....			Oct. 30 Hl.		
Oct. 11 Ei.P.	0.57	58.0 W.	Sept. 15 Ei.Y.	21.89	39.6 E.	B. D. +1° 4744			Dec. 4 Hl.		
1907			1906			$\alpha = 23^h 31^m$			1907		
July 21 M.	0.58	58.3 E.	Oct. 8 Ei.P.	21.82	38.6 W.	$\delta = +1^\circ 32'$			Aug. 1 Hl.		
Aug. 11 Hl.	0.54	58.9	Mean.....	21.825	39.62	1903			11 Hl.		
Sept. 5 Hl.	0.53	59.0	Mag. corr....	+0.016		Oct. 12 Ei.Y.			13 Hl.		
Nov. 13 P.	0.60	58.2	248 G. Aquarii			13 Ei.Y.			Sept. 20 P.		
15 Hl.	0.60	58.7 E.	$\alpha = 23^h 30^m$			Mean.....			Nov. 13 P.		
1908			$\delta = -8^\circ 1'$			Mag. corr....			Mean.....		
Aug. 2 P.	0.62	58.7 W.	1903	s	"	B. D. -1° 4469			Mag. corr....		
4 P.	0.62	59.1	Sept. 28 Ei.Y.	22.62	4.0 W.	$\alpha = 23^h 34^m$			B. D. -1° 4469		
9 P.	0.60	58.9 W.	29 Ei.Y.	22.65	3.7	$\delta = -1^\circ 17'$			1903		
Mean.....	0.575	58.67	Oct. 28 R.	22.57	4.5	1904			Sept. 24 Ei.Y.		
Mag. corr....	-0.004		Nov. 3 Br.	22.60	4.3	Oct. 1 Ei.Y.			25 Ei.Y.		
B. D. +4° 5029			6 Br.	22.69	...	1906			1904		
$\alpha = 23^h 29^m$			7 R.	22.60	4.4	Sept. 19 Ei.Y.			Sept. 7 Ei.Y.		
$\delta = +4^\circ 55'$			9 L.	22.60	4.3	Mean.....			1906		
1903	s	"	10 Br.	22.60	3.5	17.120			Sept. 8 Ei.Y.		
Sept. 15 Ei.Y.	18.58	4.0 W.	12 L.	22.53	3.2	Mag. corr....			Mean.....		
18 Ei.Y.	18.56	4.9	24 Br.	22.60	3.7	B. D. +45° 54' 56''.40			Mag. corr....		
22 Ei.Y.	18.63	4.5 W.	27 Br.	22.62	3.9	1903			1903		
1904			29 Br.	22.60	4.6	Oct. 7 R.			Sept. 24 Ei.Y.		
Oct. 1 Ei.Y.	18.62	5.1 E.	30 L.	22.53	3.8 W.	-0.01			25 Ei.Y.		

B. D. -6° 6256

$\alpha = 23^h 34^m$

$\delta = -6^\circ 6'$

1903

Sept. 28 Ei.Y.

42.04

0.4 W.

29 Ei.Y.

41.98

0.6 W.

1904

Oct. 17 Ei.Y.

42.01

1.0 E.

1906

Sept. 7 Ei.Y.

41.98

0.7 W.

Mean.....

42.002

0.68

Mag. corr....

+0.002

γ Piscium

$\alpha = 23^h 34^m 48^s.542$

$\delta = +5^\circ 5' 0''.75$

1903

Sept. 10 Ei.Y.

+0.03

-0.3 W.

11 Ei.Y.

+0.05

-0.4

Oct. 15 Ei.Y.

+0.08

-0.1

19 Ei.Y.

+0.01

+0.3

28 R.

+0.01

+0.3

Nov. 3 Br.

+0.07

+0.3

4 R.

+0.04

0.0

6 Br.

+0.01

7 R.

+0.04

+0.3

9 L.

0.00

+0.5

10 Br.

+0.03

+0.5

12 L.

-0.03

+1.2

24 Br.

+0.03

+0.3

27 Br.

+0.02

+0.5

29 Br.

+0.03

+0.9

30 L.

+0.05

+0.3

Dec. 3 Br.

+0.03

+0.2

23 R.

+0.05

+0.3

1904

July 18 Ei.Y.

0.00

+0.5

19 T.

+0.06

-0.4

20 M.

+0.07

+1.1

25 Br.

+0.08

+0.5

29 Ei.Y.

+0.11

-0.6

Aug. 4 Br.

+0.06

+1.1

12 T.

+0.06

0.0 W.

Sept. 16 Ei.Y.

+0.05

+0.3 E.

Dec. 6 Br.

+0.04

... E.

1905

Nov. 6 Bs.

+0.08

... W.

1906

Sept. 24 Ei.Y.

+0.09

+0.6

Oct. 6 Ei.P.

+0.06

+0.2 W.

1907

July 21 M.

+0.01

+0.9 E.

26 P.

-0.05

+0.5

29 Hl.

+0.04

+0.9

Aug. 7 P.

+0.02

-0.1

12 P.

+0.03

+0.8

Sept. 5 Hl.

+0.04

+0.8

Nov. 17 Hl.

-0.01

...

1909

July 8 P.

[+0.13]

[+0.5]

9 L.

[+0.04]

[+0.7]

10 P.

[+0.03]

[+0.9]

Sept. 14 P.

+0.03

+1.0

26 P.

-0.01

+1.1

28 P.

0.00

+1.6

29 L.

+0.07

+0.5

Oct. 22 M.

0.00

+1.0

24 P.

0.00

+1.3

25 M.

+0.02

+0.4

26 P.

+0.07

+1.0

27 L.

+0.08

+0.2

1910

Dec. 2 P.

+0.02

+0.5 E.

Mean.....

+0.036

+0.48

Mag. corr....

+0.006

γ Cephei

$\alpha = 23^h 35^m 14^s.349$

$\delta = +77^\circ 4' 28''.54$

1904

Nov. 19 Y.

-0.15

0.0 E.

26 Y.

-0.10

+0.5 E.

1905

Oct. 9 Hl.

-0.27

+0.1 W.

12 Bs.

-0.49

-0.5

17 Br.

-0.24

0.0

31 Br.

-0.23

0.0

Nov. 17 Br.

+0.06

+0.7 W.

1907

Aug. 25 Hl.

-0.30

+0.3 E.

Sept. 21 P.

-0.15

+0.3

Nov. 16 P.

-0.24

-0.4

1909

Dec. 4 L.

-0.02

+0.5

8 M.

-0.01

-0.6

9 L.

-0.21

+0.5

16 M.

-0.03

+0.5

18 M.

-0.14

-0.6

21 P.

-0.07

-0.2

22 L.

-0.09

-0.4

24 P.

-0.08

-0.1

1910

Jan. 8 L.

[-0.24]

[+0.1] E.

Mean.....

-0.153

+0.03

Mag. corr....

-0.002

γ Cephei s. p.

$\alpha = 23^h 35^m 14^s.349$

$\delta = +77^\circ 4' 28''.55$

1903

Nov. 27 R.

[-0.09]

[0.0] W.

29 L.

[-0.14]

[0.0]

30 Br.

[-0.18]

[+0.2]

Dec. 7 Br.

-0.17

+0.3

11 Br.

-0.04

-0.1

17 M.

-0.09

+0.4

20 M.

-0.17

-0.2 W.

1907

Apr. 20 P.

-0.18

+0.2 E.

May 9 M.

+0.15

+0.2

11 P.

-0.28

0.0

Dec. 20 P.

-0.14

-0.5

27 P.

-0.10

-0.1

1908

Jan. 8 M.

-0.11

-0.2

1909

Dec. 3 L.

-0.13

+0.4

10 M.

0.00

-0.7

16 L.

+0.14

+0.2

17 M.

+0.01

+0.2

20 P.

+0.18

+0.6

22 M.

-0.15

-0.5

23 P.

....

-0.1

1910

Jan. 7 L.

-0.03

+0.5

14 L.

-0.16

0.0 E.

Mean.....

-0.071

+0.03

Mag. corr....

-0.002

μ Sculptoris

$\alpha = 23^h 35^m$

$\delta = -32^\circ 37'$

1905

Aug. 15 Hl.

23.44

33.2 W.

Nov. 21 Br.

23.45

32.7

Dec. 1 Br.

23.43

33.2

6 Bs.

23.35

33.8

7 Hl.

23.47

33.9 W.

1907

Oct. 30 P.

23.42

33.3 E.

Nov. 4 M.

23.37

33.8

7 M.

23.39

33.7

11 M.

23.39

33.8

29 Hl.

23.45

34.0 E.

Mean.....

23.416

33.54

Mag. corr....

-0.001

κ Andromedæ

$\alpha = 23^h 35^m$

$\delta = +43^\circ 46'$

1905

Dec. 13 Bs.

28.89

49.8 W.

1907

July 25 Hl.

28.82

49.1 E.

Nov. 15 Hl.

28.89

49.2

25 M.

28.84

49.3

30 P.

28.85

49.4

Dec. 2 M.

28.90

49.0 E.

1908

Aug. 2 P.

28.88

49.2 W.

Sept. 6 P.

28.93

48.6

8 P.

28.92

48.7

Nov. 21 L.

28.90

48.9

25 L.

28.88

48.9

Dec. 1 P.

28.94

48.2

9 L.

28.82

48.4

19 L.

28.87

48.8 W.

Mean.....

28.881

48.96

Mag. corr....

+0.004

B. D. -0° 4547

$\alpha = 23^h 35^m$

$\delta = -0^\circ 8'$

1903

Sept. 3 Ei.Y.

33.43

15.6 W.

9 Ei.Y.

33.41

15.9 W.

1904

Oct. 1 Ei.Y.

33.48

15.7 E.

1906

Sept. 19 Ei.Y.

33.49

15.4 W.

Mean.....

33.452

15.65

Mag. corr....

+0.003

B. D. -8° 6166

$\alpha = 23^h 35^m$

$\delta = -8^\circ 28'$

1903

Oct. 12 Ei.Y.

39.11

2.3 W.

13 Ei.Y.

39.12

3.0 W.

1904

Oct. 22 Ei.M.

39.08

2.2 E.

1906

Sept. 20 Ei.Y.

39.16

2.3 W.

Mean.....

39.118

2.45

Mag. corr....

+0.010

B. D. +2° 4701

$\alpha = 23^h 35^m$

$\delta = +3^\circ 4'$

1903

Sept. 15 Ei.Y.

44.30

23.0 W.

18 Ei.Y.

44.36

23.7 W.

1903

Sept. 22 Ei.Y.

44.35

24.1 W.

1904

Sept. 15 Ei.Y.

44.41

23.1 E.

1906

Oct. 8 Ei.P.

44.41

23.3 W.

Mean.....

44.366

23.44

Mag. corr....

-0.009

B. D. -7° 6070

$\alpha = 23^h 36^m$

$\delta = -7^\circ 1'$

1903

Sept. 19 Ei.Y.

1.30

54.0 W.

21 Ei.Y.

1.24

54.1 W.

1904

Sept. 7 Ei.Y.

1.28

53.4 E.

1906

Sept. 8 Ei.Y.

1.28

53.2 W.

Mean.....

1.275

53.68

Mag. corr....

-0.003

B. D. -3° 5688

$\alpha = 23^h 36^m$

$\delta = -3^\circ 24'$

1903

Sept. 24 Ei.Y.

5.61

45.4 W.

25 Ei.Y.

5.57

46.4 W.

1904

Oct. 17 Ei.Y.

5.54

46.5 E.

1906

Sept. 7 Ei.Y.

5.52

46.9 W.

Mean.....

5.560

46.30

Mag. corr....

-0.010

λ Piscium

$\alpha = 23^h 36^m$

$\delta = +1^\circ 13'$

1903

Sept. 28 Ei.Y.

56.64

47.1 W.

29 Ei.Y.

56.70

47.0 W.

1904

Sept. 16 Ei.Y.

....

46.4 E.

Oct. 22 Ei.M.

56.65

46.7 E.

1905

Aug. 23 M.

56.58

46.7 W.

1906

Oct. 6 Ei.P.

56.65

46.6 W.

1907

July 30 P.

56.58

46.0 E.

Sept. 20 P.

56.56

46.0

Oct. 24 M.

56.58

46.8

25 P.

56.60

46.5

Nov. 13 P.

56.56

46.5 E.

1908

Sept. 9 Fk.

56.58

46.4 W.

14 M.

56.60

46.2

Dec. 3 P.

56.60

45.7

7 M.

56.57

46.6 W.

Mean.....

56.604

46.48

Mag. corr....

+0.004

B. D. -2° 6021

$\alpha = 23^h 37^m$

$\delta = -2^\circ 3'$

1903

Oct. 15 Ei.Y.

13.82

18.2 W.

19 Ei.Y.

13.79

18.4 W.

1904

Oct. 18 Ei.Y.

13.80

18.3 E.

1906			1907			B. D. +6° 5197			1905		
Oct. 11	Ei. P.	13. 80 17. 1 W.	Oct. 30	P.	-0.02 +1.4 E.	$\alpha = 23^h 39^m$			Dec. 7	Hl.	16. 91 55. 9 W.
Mean.....		13. 802 18. 00	Nov. 7	M.	+0.04 +0.8	$\delta = +6^{\circ} 38'$			13	Bs.	16. 92 55. 4
Mag. corr.....		-0.006	29	Hl.	+0.08 +1.2 E.				1906		
ω^2 Aquarii.			1908			1904			Oct. 6	Ei. P.	16. 91 55. 7
$\alpha = 23^h 37^m 32^s.264$			July 28	P.	0.00 ... W.	July 18	Ei. Y.	42. 73 12. 8 W.	1908		
$\delta = -15^{\circ} 5' 52''.37$			Aug. 3	Fk.	-0.03 ...	29	Ei. Y.	42. 77 13. 1 W.	Aug. 2	P.	16. 85 55. 9
			10	Fk.	-0.03 ...	Sept. 7	Ei. Y.	42. 77 13. 2 E.	4	P.	16. 88 55. 6 W.
			Dec. 1	P.	+0.01 +0.4	1906			Mean.....		16. 916 55. 77
			7	M.	+0.01 +0.9 W.	Sept. 6	Ei. Y.	42. 77 14. 0 W.	Mag. corr.....		-0.002
1903			1909			Mean.....	42. 760 13. 28		B. D. -0° 4566		
Nov. 12	L.	+0.01 +0.5 W.	Sept. 28	P.	+0.02 +2.0 E.	Mag. corr.....	+0.013		$\alpha = 23^h 41^m$		
1904			29	L.	+0.14 +0.5				$\delta = -0^{\circ} 1'$		
Nov. 5	Y.	+0.03 +0.4 E.	Nov. 22	M.	-0.01 +0.4	B. D. -1° 4485			1903		
11	Br.	+0.07 -0.2	30	P.	+0.07 +1.4	$\alpha = 23^h 39^m$			Sept. 28	Ei. Y.	27. 50 28. 0 W.
15	Br.	+0.05 +0.5	Dec. 3	P.	+0.05 +1.0	$\delta = -1^{\circ} 12'$			29	Ei. Y.	27. 51 28. 5 W.
16	M.	+0.02 -0.6	4	L.	0.00 +1.0				1904		
17	Y.	0.00 +0.2 E.	8	M.	+0.03 +1.0	1903			Oct. 18	Ei. Y.	27. 47 28. 8 E.
1908			9	L.	+0.01 +0.4	Sept. 19	Ei. Y.	52. 50 56. 5 W.	1906		
Aug. 9	P.	+0.11 -0.4 W.	14	M.	-0.04 ...	21	Ei. Y.	52. 55 56. 3 W.	Oct. 11	Ei. P.	27. 48 27. 6 W.
12	Fk.	+0.02 0.0	23	P.	+0.03 +1.0	Sept. 16	Ei. Y.	56. 2 E.	Mean.....		27. 490 28. 22
Sept. 6	P.	+0.12 -0.6	1910			Oct. 17	Ei. Y.	52. 53 55. 7 E.	Mag. corr.....		+0.007
8	P.	+0.06 -0.4 W.	Aug. 21	L.	+0.06 +1.0	1906			B. D. +36° 5117		
1909			Oct. 15	M.	+0.03 +0.3	Sept. 7	Ei. Y.	52. 47 55. 8 W.	$\alpha = 23^h 41^m$		
July 7	M.	[+0.11] [-0.1] E.	Dec. 2	P.	-0.04 +0.9	Mean.....	52. 512 56. 12		$\delta = +36^{\circ} 57'$		
Oct. 24	P.	+0.09 +0.2	8	M.	+0.01 +1.3	Mag. corr.....	+0.008		1907		
Nov. 30	P.	+0.04 +0.5	9	P.	+0.07 +1.2	ψ Andromedæ.			Nov. 13	P.	43. 36 12. 3 E.
Dec. 3	P.	+0.07 -0.6	22	M.	+0.08 +1.2 E.	$\alpha = 23^h 41^m$			16	P.	43. 34 12. 0 E.
1910			Mean.....		+0.021 +0.85	$\delta = +45^{\circ} 51'$			1908		
Dec. 22	M.	+0.13 +0.2 E.	Mag. corr.....		-0.001	1903			Nov. 21	L.	43. 36 11. 9 W.
Mean.....		+0.059 -0.02	B. D. -3° 5697			Nov. 3	Br.	4. 62 54. 4 W.	25	L.	43. 40 12. 2
Mag. corr.....		+0.003	$\alpha = 23^h 39^m$			4	R.	4. 67 54. 9	Dec. 9	L.	43. 28 11. 6
ζ^1 Aquarii.			$\delta = -3^{\circ} 43'$			6	Br.	4. 53 ...	19	L.	43. 35 11. 9 W.
$\alpha = 23^h 39^m 0^s.954$			1904			7	R.	4. 66 55. 0	Mean.....		43. 348 11. 98
$\delta = -18^{\circ} 49' 55''.28$			Aug. 3	Ei. Y.	24. 51 45. 2 W.	9	L.	4. 57 54. 5	Mag. corr.....		0.000
1903			6	Ei. Y.	24. 53 46. 3 W.	12	L.	4. 57 54. 7	B. D. -5° 6048		
Sept. 10	Ei. Y.	+0.01 +0.3 W.	Oct. 1	Ei. Y.	24. 56 46. 7 E.	21	Br.	4. 66 54. 1	$\alpha = 23^h 42^m$		
11	Ei. Y.	-0.01 +0.5	1906			24	Br.	4. 60 54. 3	$\delta = -5^{\circ} 1'$		
15	Ei. Y.	-0.10 +0.1	Sept. 19	Ei. Y.	24. 57 47. 0 W.	27	Br.	4. 56 55. 2	1903		
18	Ei. Y.	+0.01 +0.9	Mean.....		24. 542 46. 30	29	Br.	4. 61 54. 7	Oct. 15	Ei. Y.	30. 84 3. 1 W.
22	Ei. Y.	0.00 +1.1	Mag. corr.....		+0.009	30	L.	4. 62 54. 4	19	Ei. Y.	30. 87 3. 2 W.
Oct. 4	L.	+0.05 +1.0	B. D. -5° 6041			1904			1904		
Dec. 5	Br.	+0.07 +1.7	$\alpha = 23^h 39^m$			July 19	T.	4. 46 54. 8	Oct. 1	Ei. Y.	30. 90 2. 7 E.
7	R.	-0.03 +0.8	$\delta = -5^{\circ} 33'$			20	M.	4. 59 54. 2	1906		
17	Br.	+0.01 +0.8	1903			25	Br.	4. 54 54. 6	Sept. 19	Ei. Y.	30. 89 2. 4 W.
23	R.	0.00 +0.5	Sept. 3	Ei. Y.	26. 49 43. 8 W.	31	M.	4. 59 54. 0	Mean.....		30. 875 2. 85
1905			5	Ei. Y.	26. 43 44. 2 W.	Aug. 2	T.	4. 65 54. 5	Mag. corr.....		+0.007
Aug. 13	M.	+0.02 +0.8	1904			4	Br.	4. 71 54. 9	B. D. +3° 4895		
Sept. 30	Hl.	+0.04 +1.4	Oct. 22	Ei. M.	26. 51 43. 6 E.	12	T.	4. 54 54. 8 W.	$\alpha = 23^h 42^m$		
Oct. 12	Bs.	+0.03 +0.5	1906			Mean.....	4. 594 54. 71		$\delta = +3^{\circ} 40'$		
13	Br.	+0.02 +0.4	Sept. 20	Ei. Y.	26. 45 43. 6 W.	Mag. corr.....	0.000		1904		
17	Br.	+0.04 +0.9	Mean.....		26. 470 43. 80	19 Piscium.			Aug. 3	Ei. Y.	38. 12 28. 8 W.
23	Hl.	+0.04 +0.1	Mag. corr.....		-0.010	$\alpha = 23^h 41^m$			6	Ei. Y.	38. 14 29. 0 W.
28	Bs.	+0.02 +0.4	B. D. -7° 6078			$\delta = +2^{\circ} 55'$			Oct. 22	Ei. M.	38. 16 29. 1 E.
30	Hl.	+0.08 +1.5	$\alpha = 23^h 39^m$			1903			1906		
31	Br.	+0.03 +0.3	$\delta = -7^{\circ} 29'$			Sept. 24	Ei. Y.	16. 97 56. 8 W.	Sept. 20	Ei. Y.	38. 16 28. 4 W.
Nov. 6	Bs.	0.00 ...	1903			25	Ei. Y.	16. 92 55. 9 W.	Mean.....		38. 145 28. 82
14	Br.	+0.04 +0.1	Oct. 12	Ei. Y.	38. 87 28. 4 W.	1904			Mag. corr.....		-0.002
21	Br.	+0.03 +0.6	13	Ei. Y.	38. 87 28. 7 W.	Sept. 16	Ei. Y.	55. 4 E.	B. D. -3° 5707		
Dec. 1	Br.	-0.02 +1.0	1904			Oct. 1	Ei. Y.	16. 90 55. 8	$\alpha = 23^h 42^m$		
6	Bs.	+0.04 +0.6	Sept. 15	Ei. Y.	38. 85 28. 2 E.	Nov. 11	Br.	16. 91 55. 8	$\delta = -3^{\circ} 19'$		
18	Bs.	+0.03 +1.3	1906			15	Br.	16. 91 55. 9	1903		
21	Hl.	+0.02 +0.3	Oct. 8	Ei. P.	38. 93 28. 3 W.	16	M.	16. 96 55. 6	Sept. 3	Ei. Y.	48. 14 2. 2 W.
1906			Mean.....		38. 880 28. 40	17	Y.	16. 92 56. 1	5	Ei. Y.	48. 14 2. 7 W.
Sept. 8	Ei. Y.	0.00 +1.6 W.	Mag. corr.....		-0.009	19	Y.	16. 93 55. 8 E.	1904		
1907			B. D. -7° 6078			1905			Sept. 15	Ei. Y.	48. 12 1. 8 E.
July 25	Hl.	-0.03 +1.2 E.	$\alpha = 23^h 39^m$			Nov. 17	Br.	16. 91 55. 5 W.			
26	P.	+0.06 +1.5	$\delta = -7^{\circ} 29'$			21	Br.	16. 94 55. 2 W.			
29	Hl.	+0.06 +0.3	1903								
Aug. 7	P.	-0.01 +0.5	Oct. 12	Ei. Y.	38. 87 28. 4 W.						
12	P.	+0.02 0.0	13	Ei. Y.	38. 87 28. 7 W.						
Sept. 5	Hl.	+0.07 +0.3	1904								
16	Hl.	+0.04 +0.7	Sept. 15	Ei. Y.	38. 85 28. 2 E.						
21	P.	+0.02 +1.0	1906								
Oct. 19	P.	0.00 +1.5	Oct. 8	Ei. P.	38. 93 28. 3 W.						
23	P.	+0.03 +1.8	Mean.....		38. 880 28. 40						
29	Hl.	-0.02 ... E.	Mag. corr.....		-0.009						

1906			δ Sculptoris		
Oct. 8 Ei.P.	48.22	3.1 W.	$\alpha = 23^h 43^m 43^s.092$		
Mean.....	48.155	2.45	$\delta = -28^\circ 41' 1''.51$		
Mag. corr.....	-0.006				
41 H. Cephei			1903		
$\alpha = 23^h 43^m 7^s.610$			Dec. 5 Br.	+0.13	+2.2 W.
$\delta = +67^\circ 15' 4''.10$			7 R.	+0.06	+1.0
1904			23 R.	+0.12	+1.5 W.
Sept. 22 T.	+0.08	+0.3 E.	1904		
25 M.	+0.09	+1.2	Nov. 21 M.	+0.16	+1.9 E.
Oct. 23 Br.	-0.05	-0.4	1905		
28 Br.	-0.02	0.0	Oct. 23 Hl.	+0.10	+1.4 W.
Nov. 5 Y.	+0.01	-0.3 E.	28 Bs.	+0.05	+0.4 W.
1905			1907		
Aug. 23 M.	-0.07	0.0 W.	July. 26 P.	+0.09	+2.7 E.
Sept. 7 Hl.	-0.01	-0.4	Aug. 7 P.	+0.14	+1.4
Oct. 12 Bs.	-0.12	+1.0	11 Hl.	+0.10	+0.9
17 Br.	-0.10	+0.6	Sept. 16 Hl.	+0.13	+1.6
31 Br.	+0.01	+0.2 W.	1909		
Mean.....	-0.018	+0.22	Dec. 28 P.	+0.08	+2.8
Mag. corr.....	+0.001		31 P.	+0.12	+2.0
41 H. Cephei s. p.			1910		
$\alpha = 23^h 43^m 7^s.614$			Dec. 22 M.	+0.15	+2.2 E.
$\delta = +67^\circ 15' 4''.08$			Mean.....	+0.110	+1.69
1905			Mag. corr.....	+0.002	
Apr. 16 Br.	+0.16	+1.4 E.	B. D. +0° 5054		
May 1 Y.	-0.26	+1.2	$\alpha = 23^h 44^m$		
2 Br.	+0.11	-0.2	$\delta = +0^\circ 31'$		
12 Br.	-0.05	+0.3 E.	1903		
1906			Sept. 19 Ei.Y.	20.26	15.4 W.
Apr. 19 Bs.	+0.16	-0.4 W.	21 Ei.Y.	20.30	15.5 W.
24 Br.	+0.10	-0.1 W.	1904		
1907			Sept. 16 Ei.Y.	.....	15.5 E.
Dec. 12 M.	-0.17	+0.1 E.	Oct. 22 Ei.M.	20.25	16.0 E.
1909			1906		
Jan. 1 L.	+0.08	-0.2 W.	Oct. 6 Ei.P.	20.22	16.8 W.
12 L.	-0.17	+1.2	Mean.....	20.258	15.84
17 M.	-0.32	+0.8 W.	Mag. corr.....	+0.026	
Mean.....	-0.036	+0.41	B. D. +5° 5224		
Mag. corr.....	+0.001		$\alpha = 23^h 45^m$		
B. D. -7° 6086			$\delta = +5^\circ 59'$		
$\alpha = 23^h 43^m$			1903		
$\delta = -6^\circ 56'$			Sept. 24 Ei.Y.	7.60	6.7 W.
1903			25 Ei.Y.	7.68	6.1 W.
Oct. 12 Ei.Y.	24.19	8.4 W.	1904		
13 Ei.Y.	24.14	8.5 W.	Oct. 18 Ei.Y.	7.64	5.4 E.
1904			1906		
Sept. 7 Ei.Y.	24.20	8.2 E.	Oct. 11 Ei.P.	7.61	6.5 W.
1906			Mean.....	7.632	6.18
Sept. 6 Ei.Y.	24.19	8.1 W.	Mag. corr.....	-0.007	
Mean.....	24.180	8.30	B. D. -6° 6303		
Mag. corr.....	+0.020		$\alpha = 23^h 46^m$		
B. D. +1° 4773			$\delta = -6^\circ 14'$		
$\alpha = 23^h 43^m$			1903		
$\delta = +1^\circ 39'$			Sept. 28 Ei.Y.	37.26	7.4 W.
1903			29 Ei.Y.	37.23	7.7 W.
Sept. 10 Ei.Y.	42.21	33.8 W.	1904		
11 Ei.Y.	42.25	33.8 W.	Oct. 1 Ei.Y.	37.29	7.1 E.
1904			1906		
Oct. 17 Ei.Y.	42.15	34.7 E.	Sept. 19 Ei.Y.	37.26	7.3 W.
1906			Mean.....	37.260	7.38
Sept. 7 Ei.Y.	42.21	34.3 W.	Mag. corr.....	-0.010	
Mean.....	42.205	34.15	B. D. +2° 4725		
Mag. corr.....	+0.019		$\alpha = 23^h 46^m$		
1903			$\delta = +2^\circ 22'$		
Oct. 15 Ei.Y.	50.72	28.4 W.	1903		
19 Ei.Y.	50.71	28.4 W.	Oct. 15 Ei.Y.	50.72	28.4 W.
1904			19 Ei.Y.	50.71	28.4 W.
Oct. 22 Ei.M.	50.68	28.8 E.	1906		
Sept. 20 Ei.Y.	50.72	28.6 W.	Mean.....	50.708	28.55
Mean.....	50.708	28.55	Mag. corr.....	-0.008	
Mag. corr.....	-0.008		φ Pegasi		
1903			$\alpha = 23^h 47^m 23^s.968$		
Sept. 15 Ei.Y.	+0.06	-0.7 W.	$\delta = +18^\circ 33' 53''.51$		
18 Ei.Y.	-0.02	+0.7	1904		
22 Ei.Y.	+0.08	+0.5	Sept. 15 Ei.Y.	+0.06	-0.7 W.
4 L.	+0.04	+0.4	18 Ei.Y.	-0.02	+0.7
Nov. 3 Br.	+0.09	+0.6	22 Ei.Y.	+0.08	+0.5
4 R.	+0.01	+0.3	4 L.	+0.04	+0.4
6 Br.	+0.08	+1.0	Nov. 3 Br.	+0.09	+0.6
7 R.	+0.03	+0.6	4 R.	+0.01	+0.3
9 L.	+0.03	+0.3	6 Br.	+0.08	+0.3
10 Br.	0.00	+1.0	7 R.	+0.03	+0.6
12 L.	-0.02	+1.1	9 L.	+0.03	+0.3
24 Br.	+0.02	+0.8	10 Br.	0.00	+1.0
27 Br.	+0.09	+0.7	12 L.	-0.02	+1.1
29 Br.	+0.04	+0.4	24 Br.	+0.02	+0.8
30 L.	0.00	+0.4	27 Br.	+0.09	+0.7
Dec. 1 Br.	+0.07	+0.5	29 Br.	+0.04	+0.4
5 Br.	+0.06	+0.6	30 L.	0.00	+0.4
1904			Dec. 1 Br.	+0.07	+0.5
July 19 T.	+0.01	+0.9	5 Br.	+0.06	+0.6
20 M.	+0.09	+1.0	1903		
25 Br.	+0.01	+1.0	Sept. 3 Ei.Y.	57.50	4.8 W.
31 M.	-0.01	+0.4	14 Ei.Y.	57.41	4.6 W.
Aug. 2 T.	+0.04	+0.4	1904		
4 Br.	+0.05	+0.7	Sept. 7 Ei.Y.	57.50	4.8 E.
12 T.	+0.14	0.0	Nov. 11 Br.	57.47	5.2
14 Br.	+0.04	+1.3 W.	15 Br.	57.47	5.2
Oct. 17 Ei.Y.	-0.05	+0.8 E.	16 M.	57.52	4.7
1905			17 Y.	57.49	5.6
Aug. 15 Hl.	+0.03	+1.2 W.	19 Y.	57.49	4.6 E.
Oct. 17 Br.	+0.02	0.0	1905		
31 Br.	+0.03	+0.2	Oct. 12 Bs.	57.48	5.2 W.
Nov. 6 Bs.	+0.04	.....	Nov. 21 Br.	57.53	4.4
17 Br.	+0.09	+0.7	Dec. 1 Br.	57.48	5.5
1906			6 Bs.	57.46	4.7
Sept. 24 Ei.Y.	+0.04	+0.2	13 Bs.	57.48	4.7
Oct. 6 Ei.P.	+0.05	+0.9 W.	1906		
1907			Sept. 6 Ei.Y.	57.50	5.2 W.
July 25 Hl.	+0.05	+1.3 E.	Mean.....	57.484	4.94
29 Hl.	+0.07	+1.0	Mag. corr.....	+0.022	
30 P.	+0.01	+0.4	B. D. -7° 6104		
Aug. 1 Hl.	+0.03	+0.6	$\alpha = 23^h 47^m$		
2 P.	0.00	+1.0	$\delta = -7^\circ 12'$		
12 P.	+0.05	+0.5	1903		
13 Hl.	+0.06	+0.8	Oct. 12 Ei.Y.	58.93	21.2 W.
14 P.	+0.03	+0.1	13 Ei.Y.	58.98	21.0 W.
18 Hl.	+0.16	+0.4	1904		
Sept. 5 Hl.	0.00	+0.9	Sept. 16 Ei.Y.	59.02	21.2 E.
20 P.	+0.04	+2.3	1906		
21 P.	+0.05	+0.6	Sept. 7 Ei.Y.	59.06	20.9 W.
Oct. 19 P.	0.00	+1.4	Mean.....	58.998	21.08
23 P.	+0.07	+1.0	Mag. corr.....	-0.006	
24 M.	0.00	+1.0	274 G. Aquarii		
25 P.	+0.04	+0.8	$\alpha = 23^h 48^m$		
30 P.	+0.01	+1.3	$\delta = -24^\circ 47'$		
Nov. 4 M.	-0.02	+0.3	1903		
7 M.	+0.05	+0.8	Dec. 7 R.	10.61	7.8 W.
13 P.	0.00	+1.2	16 Br.	10.77	6.8
14 M.	0.00	+1.3	22 Br.	10.52	6.4
15 Hl.	-0.09	+0.5	23 R.	10.63	7.2 W.
16 P.	+0.04	+0.9	1907		
29 Hl.	-0.03	+1.0	July 26 P.	10.66	6.5 E.
30 P.	+0.03	+0.4 E.	Aug. 7 P.	10.69	7.2
1908			11 Hl.	10.75	7.3
Aug. 4 P.	+0.03	+0.6 W.	25 Hl.	10.71	6.0
12 Fk.	-0.03	+0.6	Sept. 16 Hl.	10.72	7.0 E.
13 P.	-0.01	+1.1	Mean.....	10.673	6.91
20 Fk.	+0.01	+1.0 W.	Mag. corr.....	+0.003	

B. D. +4° 5066 $\alpha = 23^h 48^m$ $\delta = +4^\circ 18'$			Groombridge 4163 $\alpha = 23^h 49^m 57^s.586$ $\delta = +73^\circ 51' 13''.80$			1906 Sept. 7 Ei.Y. 30.77 1.4 W. Mean..... 30.825 1.38 Mag. corr..... +0.015			27 Piscium $\alpha = 23^h 53^m 33^s.199$ $\delta = -4^\circ 6' 38''.97$		
1903 Sept. 10 Ei.Y. 58.20 56.4 W. 11 Ei.Y. 58.22 55.8 W.			1904 Sept. 25 M. +0.14 +0.4 E. Oct. 21 Br. +0.17 +0.9 23 Br. -0.12 -0.4 28 Br. +0.16 -0.3 Nov. 5 Y. +0.17 -0.3 E.			B. D. +3° 4909 $\alpha = 23^h 51^m$ $\delta = +4^\circ 10'$			1903 Sept. 6 R. 0.00 +0.9 W. 19 Ei.Y. +0.02 +0.6 21 Ei.Y. -0.01 0.0 Dec. 5 Br. +0.05 +1.0 17 Br. +0.09 +0.3 22 Br. +0.04 -0.1 23 R. +0.04 +0.2 W.		
1904 Sept. 16 Ei.Y. 58.23 56.2 E. 1906 Oct. 6 Ei.P. 58.26 56.5 W. Mean..... 58.228 56.22 Mag. corr..... +0.001			1905 Oct. 13 Br. +0.12 +0.4 W. 28 Bs. +0.12 +0.3 Nov. 8 Bs. -0.02 +0.2 14 Br. +0.07 -0.5 22 Bs. -0.12 +0.3 W. Mean..... +0.069 +0.10 Mag. corr..... +0.017			1903 Oct. 12 Ei.Y. 39.87 6.3 W. 13 Ei.Y. 39.91 5.6 W.			1904 Oct. 1 Ei.Y. +0.06 +0.7 E.		
B. D. +2° 4728 $\alpha = 23^h 49^m$ $\delta = +3^\circ 7'$			Groombridge 4163 s. p. $\alpha = 23^h 49^m 57^s.578$ $\delta = +73^\circ 51' 13''.79$			1904 Sept. 16 Ei.Y. 39.97 6.6 E. 1906 Oct. 8 Ei.P. 39.95 6.0 W. Mean..... 39.925 6.12 Mag. corr..... +0.013			1906 Sept. 24 Ei.Y. +0.02 +0.3 W.		
1903 Sept. 19 Ei.Y. 12.04 22.3 W. 21 Ei.Y. 11.95 22.3 W.			1907 May 9 M. +0.19 -0.1 E. 13 M. +0.04 -0.6 17 Hl. +0.18 +0.1 Dec. 12 M. -0.27 +0.5 24 P. -0.01 -0.9 E.			B. D. +39° 5194 $\alpha = 23^h 51^m$ $\delta = +40^\circ 2'$			1907 July 26 P. +0.04 +0.5 E. 30 P. +0.06 +0.5 Aug. 7 P. 0.00 +0.2 18 Hl. +0.07 +0.6 Oct. 23 P. +0.12 +0.1 E. Mean..... +0.043 +0.41 Mag. corr..... 0.000		
1904 Oct. 18 Ei.Y. 12.09 22.2 E. 1906 Sept. 24 Ei.Y. 12.08 22.4 W. Mean..... 12.040 22.30 Mag. corr..... +0.002			1908 Dec. 9 Br. +0.18 -0.1 W. 20 M. +0.08 +0.7 W.			1907 Nov. 13 P. 57.73 46.7 E. 16 P. 57.76 45.8 E.			ω Piscium $\alpha = 23^h 54^m 10^s.614$ $\delta = +6^\circ 18' 34''.42$		
ρ Cassiopeiæ $\alpha = 23^h 49^m$ $\delta = +56^\circ 56'$			1909 Jan. 1 L. +0.13 -0.1 17 M. -0.21 -0.1 W. Mean..... +0.060 -0.05 Mag. corr..... +0.010			1908 Nov. 21 L. 57.68 46.2 W. 25 L. 57.74 45.6 Dec. 9 L. 57.73 45.5 19 L. 57.73 45.4 W. Mean..... 57.728 45.87 Mag. corr..... -0.001			1903 Sept. 24 Ei.Y. -0.01 +0.6 W. 25 Ei.Y. +0.04 0.0 Oct. 20 Ei.Y. +0.03 -0.5 22 Ei.Y. +0.05 -0.9 Nov. 10 Br. +0.06 -0.1		
1904 Nov. 21 M. 23.19 35.8 E. Dec. 1 Br. 23.07 35.0 E.			B. D. -5° 6081 $\alpha = 23^h 49^m$ $\delta = -5^\circ 13'$			B. D. +2° 4736 $\alpha = 23^h 51^m$ $\delta = +2^\circ 30'$			1904 July 25 Br. +0.01 +0.4 31 M. +0.05 -0.1 Aug. 4 Br. +0.03 +0.5 11 Br. +0.03 +0.9 12 T. +0.06 -0.3 14 Br. +0.07 -0.1 W.		
1905 Aug. 13 M. 23.13 35.4 W. 23 M. 23.07 35.2 Dec. 18 Bs. 23.08 35.6 21 Hl. 23.06 35.3 26 Hl. 23.08 35.2 W.			1903 Oct. 15 Ei.Y. 60.08 27.6 W. 19 Ei.Y. 60.10 27.6 W.			1903 Sept. 10 Ei.Y. 58.87 53.8 W. 11 Ei.Y. 58.87 53.6 W.			Sept. 22 T. +0.02 +1.2 E. 25 M. +0.05 -0.2 Oct. 21 Br. +0.02 +0.4 22 Ei.M. +0.05 +0.5 23 Br. +0.04 +0.1 28 Br. +0.05 -0.2 Nov. 5 Y. +0.03 +1.0 11 Br. -0.01 0.0 15 Br. +0.03 +0.8 16 M. +0.04 +0.1 19 Y. +0.02 +0.2 21 M. -0.01 +0.7 E.		
1907 Aug. 20 Hl. 23.14 34.8 E. Sept. 20 P. 23.05 35.3 Oct. 19 P. 23.06 35.0 E. Mean..... 23.093 35.26 Mag. corr..... +0.002			1904 Sept. 15 Ei.Y. 60.05 27.4 E.			1904 Oct. 18 Ei.Y. 58.85 54.0 E.			1905 Aug. 15 Hl. +0.05 +0.8 W. 18 Hl. +0.04 +1.8 23 M. +0.06 0.0 Sept. 7 Hl. +0.08 +0.7 Oct. 9 Hl. +0.06 +0.6 12 Bs. -0.05 +0.3 17 Br. +0.03 +0.2 31 Br. +0.02 +0.4 Nov. 1 Bs. +0.08 0.0 2 Hl. +0.08 ... 6 Bs. -0.02 ... 17 Br. +0.02 -0.3 21 Br. +0.03 -0.3 Dec. 1 Br. +0.02 +0.8 6 Bs. +0.02 +0.4 7 Hl. +0.02 +0.8 11 Hl. +0.03 ... 13 Bs. +0.08 0.0 21 Hl. +0.02 +0.7		
B. D. -2° 6059 $\alpha = 23^h 49^m$ $\delta = -2^\circ 30'$			1906 Oct. 11 Ei.P. 59.99 26.3 W. Mean..... 60.055 27.22 Mag. corr..... 0.000			1906 Sept. 19 Ei.Y. 58.89 54.1 W. Mean..... 58.870 53.88 Mag. corr..... +0.003			1906 Sept. 20 Ei.Y. +0.04 +0.2 Oct. 12 Ei.P. +0.07 +0.2 W.		
1903 Sept. 24 Ei.Y. 31.22 6.7 W. 25 Ei.Y. 31.12 8.0 W.			B. D. +6° 5216 $\alpha = 23^h 50^m$ $\delta = +6^\circ 30'$			ψ Pegasi $\alpha = 23^h 52^m$ $\delta = +24^\circ 35'$			1905 Aug. 15 Hl. +0.05 +0.8 W. 18 Hl. +0.04 +1.8 23 M. +0.06 0.0 Sept. 7 Hl. +0.08 +0.7 Oct. 9 Hl. +0.06 +0.6 12 Bs. -0.05 +0.3 17 Br. +0.03 +0.2 31 Br. +0.02 +0.4 Nov. 1 Bs. +0.08 0.0 2 Hl. +0.08 ... 6 Bs. -0.02 ... 17 Br. +0.02 -0.3 21 Br. +0.03 -0.3 Dec. 1 Br. +0.02 +0.8 6 Bs. +0.02 +0.4 7 Hl. +0.02 +0.8 11 Hl. +0.03 ... 13 Bs. +0.08 0.0 21 Hl. +0.02 +0.7		
1904 Oct. 1 Ei.Y. 31.26 7.9 E.			1904 Aug. 3 Ei.Y. 0.80 53.9 W. 6 Ei.Y. 0.84 54.6 W. Sept. 7 Ei.Y. 0.82 54.2 E.			1903 Nov. 6 Br. 39.76 ... W. 7 R. 39.77 8.7 9 L. 39.73 8.1 12 L. 39.70 8.5 24 Br. 39.76 8.1 27 Br. 39.77 8.4 30 L. 39.71 8.1 Dec. 1 Br. 39.76 7.9			1906 Sept. 6 Ei.Y. 0.86 54.5 W. Mean..... 0.830 54.30 Mag. corr..... +0.022		
1906 Sept. 19 Ei.Y. 31.22 8.0 W. Mean..... 31.205 7.65 Mag. corr..... +0.003			B. D. +7° 5101 $\alpha = 23^h 50^m$ $\delta = +7^\circ 40'$			1904 July 20 M. 39.79 8.4 W.			1907 July 25 Hl. 39.71 8.5 E. 29 Hl. 39.79 8.6 Aug. 1 Hl. 39.70 8.8 12 P. 39.80 8.4 14 P. 39.73 8.8 E.		
B. D. -0° 4585 $\alpha = 23^h 49^m$ $\delta = -0^\circ 26'$			1903 Sept. 3 Ei.Y. 30.82 1.1 W. 14 Ei.Y. 30.83 1.3 W.			Mean..... 39.749 8.41 Mag. corr..... +0.001			1906 Sept. 20 Ei.Y. +0.04 +0.2 Oct. 12 Ei.P. +0.07 +0.2 W.		
1903 Sept. 28 Ei.Y. 39.56 47.6 W. 29 Ei.Y. 39.58 48.2 W.			1904 Oct. 22 Ei.M. 39.56 47.7 E.								
1904 Oct. 22 Ei.M. 39.56 47.7 E.			1906 Sept. 20 Ei.Y. 39.54 48.4 W. Mean..... 39.560 47.98 Mag. corr..... -0.010								

1907			1904			1906			1906		
Aug. 11 Hl.	+0.04	+0.2 E.	Sept. 16 Ei.Y.	46.97	2.8 E.	Oct. 8 Ei.P.	41.98	3.1 W.	Sept. 19 Ei.Y.	22.96	48.4 W.
20 Hl.	+0.07	+0.5	1906			Mean.....	41.958	2.35	Mean.....	22.970	47.85
25 Hl.	+0.06	+1.2	Sept. 24 Ei.Y.	46.96	2.8 W.	Mag. corr.....	-0.001		Mag. corr.....	+0.026	
Oct. 21 M.	+0.04	...	Mean.....	46.955	2.60	30 Piscium			B. D. +1° 4820		
24 M.	+0.04	+1.3	Mag. corr.....	+0.003		$\alpha = 23^h 56^m 49^s.921$			$\alpha = 23^h 57^m$		
25 P.	+0.03	+0.1	B. D. +0° 5080			$\delta = -6^\circ 34' 11''.59$			$\delta = +1^\circ 34'$		
29 Hl.	+0.03	...	$\alpha = 23^h 55^m$			1903			1903		
Nov. 7 M.	+0.06	+0.4	$\delta = +0^\circ 30'$			Sept. 28 Ei.Y.	+0.02	+0.9 W.	Oct. 12 Ei.Y.	39.41	32.9 W.
14 M.	+0.06	+0.8	1903			29 Ei.Y.	+0.04	+0.6	13 Ei.Y.	39.45	32.6 W.
25 M.	+0.01	+1.1	Oct. 12 Ei.Y.	27.01	33.3 W.	Dec. 7 R.	+0.07	0.0 W.	1904		
29 Hl.	+0.02	+0.8	15 Ei.Y.	27.09	33.0 W.	1904			Oct. 1 Ei.Y.	39.47	33.0 E.
30 P.	+0.04	+0.6 E.	1904			Sept. 7 Ei.Y.	+0.05	+0.4 E.	1906		
1908			Oct. 18 Ei.Y.	27.07	33.3 E.	1905			Sept. 20 Ei.Y.	39.42	32.6 W.
July 28 P.	+0.04	... W.	Sept. 19 Ei.Y.	27.09	34.0 W.	Sept. 30 Hl.	-0.02	+1.1 W.	Mean.....	39.438	32.78
Aug. 2 P.	+0.01	+0.7	Mean.....	27.065	33.40	Oct. 23 Hl.	0.00	0.0	Mag. corr.....	+0.003	
3 Fk.	+0.06	...	Mag. corr.....	-0.012		28 Bs.	-0.02	+0.4	B. D. +3° 4926		
4 P.	+0.09	+0.1	B. D. -0° 4603			30 Hl.	+0.03	+0.7	$\alpha = 23^h 58^m$		
9 P.	0.00	+0.7	$\delta = -0^\circ 20'$			1906			$\delta = +3^\circ 21'$		
10 Fk.	+0.05	...	1903			Sept. 6 Ei.Y.	+0.02	+0.7 W.	1903		
12 Fk.	+0.06	+0.3	Sept. 10 Ei.Y.	31.50	0.9 W.	1907			Sept. 10 Ei.Y.	32.92	2.1 W.
20 Fk.	+0.02	+1.1	11 Ei.Y.	31.57	1.6 W.	Aug. 13 Hl.	+0.05	+1.2 E.	11 Ei.Y.	32.87	1.8 W.
Sept. 14 M.	+0.01	+0.8 W.	1904			18 Hl.	+0.11	+1.0	1904		
1909			Oct. 1 Ei.Y.	31.46	1.2 E.	Sept. 16 Hl.	+0.03	+0.8	Oct. 22 Ei.Y.	32.87	3.0 E.
June 11 M.	[-0.05]	[-0.2] E.	Sept. 20 Ei.Y.	31.54	1.0 W.	Oct. 30 P.	+0.07	+1.3	1906		
July 9 L.	[+0.07]	[+0.9] E.	Mean.....	31.518	1.18	Nov. 4 M.	-0.01	+1.1	Oct. 11 Ei.P.	32.82	2.4 W.
10 P.	[+0.04]	[-0.2] E.	Mag. corr.....	-0.001		1909			Mean.....	32.870	2.32
Mean.....	+0.036	+0.40	B. D. -5° 6097			July 7 M.	[+0.06]	[+1.2]	Mag. corr.....	+0.001	
Mag. corr.....	-0.007		$\alpha = 23^h 55^m$			8 P.	[+0.06]	[+0.6]	2 Ceti		
B. D. -2° 6071			$\delta = -5^\circ 29'$			Aug. 4 L.	-0.02	+0.7	$\alpha = 23^h 58^m$		
$\alpha = 23^h 54^m$			1903			30 M.	+0.07	+0.9	$\delta = -17^\circ 53' 33''.86$		
$\delta = -2^\circ 24'$			Sept. 19 Ei.Y.	52.17	5.3 W.	Oct. 25 M.	+0.01	+0.6	1903		
1903			21 Ei.Y.	52.09	5.2 W.	26 P.	+0.04	+0.8	Oct. 20 Ei.Y.	+0.06	+0.2 W.
Sept. 28 Ei.Y.	26.66	25.8 W.	1904			Dec. 18 M.	0.00	+1.1 E.	22 Ei.Y.	+0.05	+0.6
29 Ei.Y.	26.72	25.8 W.	Oct. 22 Ei.M.	52.23	4.6 E.	Mean.....	+0.028	+0.75	7 R.	+0.09	...
1904			Oct. 11 Ei.P.	52.11	4.4 W.	Mag. corr.....	+0.002		9 L.	+0.01	+0.9
Sept. 15 Ei.Y.	26.68	26.6 E.	Mean.....	52.150	4.88	B. D. -3° 5750			10 Br.	+0.04	+0.5
1906			Mag. corr.....	-0.008		$\alpha = 23^h 56^m$			12 L.	+0.07	+1.3
Sept. 7 Ei.Y.	26.66	25.8 W.	B. D. +38° 5112			$\delta = -3^\circ 19'$			24 Br.	+0.03	+2.2
Mean.....	26.680	26.00	$\alpha = 23^h 55^m$			1903			27 Br.	+0.09	+1.1
Mag. corr.....	+0.006		$\delta = -5^\circ 29'$			Oct. 19 Ei.Y.	55.02	22.1 W.	30 L.	+0.01	+1.2
B. D. -6° 6335			1904			20 Ei.Y.	55.04	22.6 W.	Dec. 1 Br.	0.00	+0.9
$\alpha = 23^h 54^m$			Oct. 22 Ei.M.	52.23	4.6 E.	Sept. 16 Ei.Y.	55.00	22.1 E.	5 Br.	+0.05	+1.0
$\delta = -6^\circ 26'$			Mean.....	52.150	4.88	1906			22 Br.	+0.06	+1.3
1903			Mag. corr.....	-0.008		Sept. 7 Ei.Y.	55.00	22.3 W.	1904		
Oct. 15 Ei.Y.	32.91	54.0 W.	B. D. +38° 5112			Mean.....	55.015	22.28	July 31 M.	+0.10	+1.1
19 Ei.Y.	32.86	53.4 W.	$\alpha = 23^h 56^m$			Mag. corr.....	+0.014		Aug. 2 T.	+0.08	+1.3
1904			$\delta = +39^\circ 3'$			B. D. +8° 5164			4 Br.	+0.04	+1.2
Oct. 17 Ei.Y.	32.88	53.6 E.	1907			$\alpha = 23^h 57^m$			14 Br.	-0.01	+1.9 W.
1906			Nov. 13 P.	17.09	18.6 E.	$\delta = +8^\circ 24'$			Sept. 22 T.	+0.01	+0.9 E.
Sept. 6 Ei.Y.	32.94	54.0 W.	16 P.	17.19	18.0 E.	1904			25 M.	+0.03	+0.8
Mean.....	32.898	53.75	1908			Aug. 6 Ei.Y.	16.90	1.4 W.	Oct. 17 Ei.Y.	+0.02	+1.0
Mag. corr.....	+0.014		Nov. 21 L.	17.12	18.3 W.	Oct. 17 Ei.Y.	16.82	0.2 E.	21 Br.	+0.03	+1.4
B. D. -1° 4514			25 L.	17.13	17.5	1906			23 Br.	+0.07	+0.9
$\alpha = 23^h 54^m$			Dec. 9 L.	17.09	17.9	Sept. 24 Ei.Y.	16.91	0.7 W.	28 Br.	+0.06	+1.0
$\delta = -0^\circ 50'$			19 L.	17.15	17.5 W.	Oct. 12 Ei.P.	16.87	0.5 W.	Nov. 5 Y.	0.00	+0.9
1904			Mean.....	17.128	17.97	Mean.....	16.875	0.70	11 Br.	+0.06	+1.5
Aug. 6 Ei.Y.	39.17	9.3 W.	Mag. corr.....	-0.002		B. D. +7° 5121			15 Br.	+0.03	+1.4
Sept. 7 Ei.Y.	39.20	9.7 E.	B. D. -3° 5749			$\alpha = 23^h 57^m$			16 M.	+0.02	+0.8
1906			$\delta = -3^\circ 35'$			$\delta = +7^\circ 55'$			19 Y.	+0.07	+0.3
Oct. 8 Ei.P.	39.14	10.8 W.	1903			1903			21 M.	+0.05	+1.6
11 Ei.P.	39.13	9.5 W.	Sept. 24 Ei.Y.	41.93	2.0 W.	Sept. 3 Ei.Y.	23.01	47.4 W.	Dec. 1 Br.	+0.04	+0.4
Mean.....	39.160	9.82	25 Ei.Y.	41.93	1.9 W.	12 Ei.Y.	22.93	47.6 W.	6 Br.	+0.07	...
Mag. corr.....	+0.012		1904			Oct. 18 Ei.Y.	22.98	48.0 E.	13 Br.	+0.11	-0.1 E.
B. D. +5° 5245			Sept. 15 Ei.Y.	41.99	2.4 E.	1905			1905		
$\alpha = 23^h 54^m$			B. D. -3° 5749			Aug. 18 Hl.	+0.03	(+3.2) W.	Aug. 18 Hl.	+0.03	(+3.2) W.
$\delta = +5^\circ 24'$			$\alpha = 23^h 56^m$			Nov. 2 Hl.	+0.05	...	Nov. 2 Hl.	+0.05	...
1903			$\delta = -3^\circ 35'$			Dec. 11 Hl.	+0.04	...	Dec. 11 Hl.	+0.04	...
Sept. 3 Ei.Y.	46.97	2.8 W.	1903			30 Hl.	+0.09	+0.6 W.	30 Hl.	+0.09	+0.6 W.
12 Ei.Y.	46.92	2.0 W.	Sept. 24 Ei.Y.	41.93	2.0 W.						
			25 Ei.Y.	41.93	1.9 W.						
			1904								
			Sept. 15 Ei.Y.	41.99	2.4 E.						

NINE-INCH TRANSIT CIRCLE.

[illegible]

THE CATALOGUE

A 381

CATALOGUE OF 4526 STARS.

For explanation see page A CLXVIII.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Obser- vations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1	33 Piscium.....	4.7	7.6	0 0 13.005	+3.0722	-0.0014	-0.0013	- 6 15 59.45	+20.047	-0.009	+0.090	47 43	7.67 7.80
2	B. D. - 4°6019.....	7.7	7.7	0 18.266	3.0722	-0.0004	.....	- 4 24 26.98	20.047	0.009	.....	4	4.77
3	B. D. - 0°4619.....	8.2*	8.2	1 0.611	3.0723	+0.0017	.....	- 0 26 6.55	20.047	0.010	.....	4	4.78
4	B. D. - 2°6099.....	8.2*	8.2	1 11.448	3.0721	+0.0010	.....	- 1 47 37.72	20.047	0.011	.....	4	4.71
5	B. D. + 4°5089.....	8.6*	8.6	0 1 54.836	+3.0733	+0.0045	.....	+ 4 43 54.12	+20.046	-0.012	.....	4	4.77
6	B. D. + 6°5242.....	7.8*	7.8	0 1 56.672	+3.0736	+0.0053	.....	+ 6 19 10.38	+20.046	-0.012	.....	4	4.72
7	B. D. - 3°2.....	6.3	6.3	2 36.708	3.0715	0.0004	+0.0018	- 3 6 19.22	20.046	0.014	+0.004	4	4.70
8	5 Ceti.....	6.3	6.3	3 4.844	3.0714	0.0005	+0.0003	- 3 0 14.67	20.045	0.014	-0.005	14	4.68
9	α Andromedæ.....	2.2	7.1	3 13.065	3.0825	0.0184	+0.0106	+28 32 17.28	20.045	0.015	-0.161	50 44	7.07 7.25
10	B. D. + 2°3.....	8.6*	8.6	0 3 14.341	+3.0733	+0.0036	.....	+ 2 53 6.42	+20.045	-0.015	.....	4	4.74
11*	B. D. - 3°5.....	7.3	7.3	0 3 35.664	+3.0713	+0.0006	+0.0031	- 2 46 44.42	+20.044	-0.016	+0.001	4	4.78
12*	B. D. - 0°6.....	7.6	7.6	3 44.821	3.0724	0.0021	+0.0041	+ 0 8 9.05	20.044	0.016	-0.026	4	4.77
13	β Cassiopeiae.....	2.4	7.3	3 50.625	3.1090	0.0522	+0.0676	+58 35 52.85	20.044	0.016	-0.181	10 9	5.72 5.82
14	B. D. + 4°8.....	8.0*	8.0	4 47.188	3.0744	0.0030	.....	+ 4 16 33.05	20.042	0.018	.....	4	4.72
15	22 Andromedæ.....	5.1	8.0	0 5 7.177	+3.1028	+0.0332	+0.0004	+45 30 57.31	+20.042	-0.019	-0.001	10	5.91
16	B. D. - 6°11.....	6.0	8.9	0 5 11.666	+3.0693	-0.0009	+0.0019	- 5 48 15.35	+20.042	-0.019	-0.020	4	4.76
17	B. D. + 1°12.....	7.8*	7.8	5 33.285	3.0732	+0.0030	.....	+ 1 29 55.02	20.041	0.019	.....	4	4.69
18*	B. D. - 4°7.....	6.8	6.8	6 2.380	3.0700	+0.0002	+0.0008	- 3 52 38.72	20.040	0.020	+0.013	4	4.72
19	B. D. + 7°13.....	7.9	7.9	6 7.649	3.0770	+0.0061	.....	+ 7 23 32.00	20.040	0.021	.....	4	4.74
20	B. D. + 39°21.....	8.1	8.1	0 6 19.373	+3.1031	+0.0277	.....	+39 50 34.28	+20.039	-0.021	.....	6	8.58
21	κ ² Sculptoris.....	5.6	8.5	0 6 29.808	+3.0519	-0.0136	+0.0013	-28 21 23.24	+20.039	-0.021	+0.017	10	6.97
22*	B. D. - 2°19.....	7.3	7.3	7 32.601	3.0710	+0.0014	+0.0006	- 1 47 0.08	20.036	0.023	-0.028	4 5	4.76 4.76
23	γ Pegasi.....	2.9	7.8	8 5.107	3.0846	+0.0102	0.0000	+14 37 40.05	20.034	0.024	-0.013	44 41	6.80 6.99
24	B. D. + 5°18 (mean).....	8.6*	8.6	8 32.271	3.0776	+0.0055	.....	+ 6 1 28.40	20.033	0.025	.....	4	4.76
25	B. D. - 4°12.....	7.5	7.5	0 8 54.069	+3.0683	0.0000	.....	- 4 27 51.90	+20.032	-0.026	.....	4	4.78
26	B. D. + 0°22.....	7.0	7.0	0 9 28.950	+3.0731	+0.0028	.....	+ 0 44 28.12	+20.030	-0.027	.....	4	4.71
27	B. D. - 1°14.....	8.0*	8.0	9 42.580	3.0715	0.0020	.....	- 0 51 31.00	20.029	0.027	.....	4	4.73
28	35 Piscium.....	5.9	8.8	9 49.727	3.0807	0.0068	+0.0066	+ 8 15 56.72	20.028	0.028	-0.024	15 14	5.39 5.23
29	B. D. + 5°25.....	7.2	7.2	10 30.247	3.0780	0.0052	.....	+ 5 17 17.10	20.026	0.029	.....	4	4.78
30	318 B. Cephei.....	6.2	6.2	0 10 33.197	+3.3265	+0.1459	+0.0068	+76 23 42.24	+20.026	-0.031	-0.001	10	8.20
31	318 B. Cephei s. P.	6.2	6.2	0 10 33.149	+3.3265	+0.1459	+0.0068	+76 23 42.39	+20.026	-0.031	-0.001	0	8.32
32	B. D. + 37°32.....	8.3*	8.3	10 44.805	3.1216	0.0268	.....	+38 12 11.80	20.025	0.029	.....	4	8.38
33*	B. D. + 3°28.....	7.0	7.0	10 49.262	3.0764	0.0044	+0.0015	+ 3 41 44.82	20.024	0.030	-0.018	4	4.74
34	B. D. + 7°27.....	6.2	6.2	11 25.697	3.0813	0.0066	-0.0023	+ 7 41 6.10	20.022	0.031	-0.009	4	4.74
35	B. D. + 1°28.....	7.3	7.3	0 11 31.806	+3.0739	+0.0032	-0.0005	+ 1 17 40.68	+20.022	-0.031	+0.020	4	4.78
36	B. D. + 8°24 (pr.).....	8.0	8.0	0 12 15.073	+3.0828	+0.0070	.....	+ 8 19 5.88	+20.018	-0.033	.....	4	6.27
37	B. D. + 8°24 (fol.).....	7.0	7.0	12 15.415	3.0828	0.0070	+0.0057	+ 8 19 8.32	20.018	0.033	+0.085	4	4.76
38	B. D. + 0°28.....	6.4	6.4	12 39.507	3.0738	0.0032	+0.0049	+ 1 7 58.60	20.016	0.033	+0.009	4	4.68
39*	B. D. - 2°31.....	7.2	7.2	12 41.339	3.0692	0.0013	-0.0022	- 2 25 6.40	20.016	0.033	+0.014	4	4.78
40	σ Andromedæ.....	4.5	7.4	0 13 5.997	+3.1283	+0.0252	-0.0056	+36 13 51.43	+20.014	-0.034	-0.044	10	6.54
41*	B. D. - 2°34.....	7.5	7.5	0 13 11.289	+3.0689	+0.0013	+0.0015	- 2 34 12.75	+20.014	-0.034	+0.027	4	4.72
42	B. D. - 0°42.....	7.9	7.9	14 9.264	3.0723	+0.0026	.....	- 0 2 4.52	20.009	0.036	.....	4	4.78
43	ι Ceti.....	3.8	8.7	14 19.963	3.0585	-0.0022	-0.0012	- 9 22 41.44	20.008	0.036	-0.032	44 42	7.53 7.62
44	B. D. + 4°32.....	8.9	8.9	14 20.943	3.0800	+0.0054	.....	+ 5 12 20.88	20.008	0.037	.....	4	4.78
45	B. D. + 37°42.....	7.1	7.1	0 14 46.202	+3.1388	+0.0267	.....	+37 40 45.62	+20.005	-0.039	.....	4	8.38
46	B. D. + 2°37.....	8.0	8.0	0 15 1.588	+3.0761	+0.0040	.....	+ 2 28 43.52	+20.004	-0.038	.....	4	4.75
47	B. D. + 3°34.....	8.0*	8.0	15 13.523	3.0789	0.0049	.....	+ 4 13 26.82	20.003	0.038	.....	4	4.77
48	d Piscium.....	5.6	8.5	15 27.037	3.0844	0.0068	-0.0004	+ 7 38 6.19	20.001	0.039	+0.014	18	6.14
49	ρ Andromedæ.....	5.2	8.1	15 51.112	3.1430	0.0265	+0.0054	+37 24 52.83	19.999	0.040	-0.044	10 9	7.58 7.68
50	B. D. - 4°31.....	8.2*	8.2	0 16 6.232	+3.0660	+0.0008	.....	- 3 52 6.22	+19.997	-0.040	.....	5	4.73

24. Double, 9^m.4, 9^m.4, 1^m.2, 11^s.5.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
51	B. D. + 6°30.....	8.6	8.6	0 16 50.999	+3.0835	+0.0062	.....	+ 6 27 25.58	+19.993	-0.041	.....	4	4.76
52	B. D. - 5°49.....	7.1	7.1	17 8.076	3.0623	-0.0001	.....	- 5 44 46.12	19.991	0.042	.....	4	4.74
53	B. D. + 1°52.....	7.7*	7.7	18 30.496	3.0765	+0.0040	.....	+ 2 11 19.75	19.982	0.045	.....	4	4.77
54	B. D. - 1°41.....	8.4*	8.4	18 33.195	3.0703	+0.0023	.....	- 1 5 43.32	19.981	0.045	.....	4	4.79
55	B. D. - 3°49.....	6.3	9.2	0 19 23.036	+3.0669	+0.0015	-0.0030	- 2 46 19.00	+19.975	-0.046	-0.037	4	4.74
56	B. D. + 38°42.....	8.5	8.5	0 19 46.894	+3.1643	+0.0281	.....	+38 35 31.00	+19.972	-0.048	.....	4	8.38
57	44 Piscium.....	6.0	8.9	20 16.540	3.0752	0.0037	-0.0013	+ 1 23 10.05	19.968	0.048	-0.016	62	6.69 6.67
58	B. D. + 6°43.....	7.2	7.2	20 32.567	3.0873	0.0068	+0.0028	+ 7 8 17.68	19.966	0.049	-0.054	4	4.78
59	B. D. + 0°54.....	8.4*	8.4	21 4.591	3.0737	0.0034	.....	+ 0 36 38.55	19.962	0.050	.....	4	4.71
60*	B. D. + 3°46.....	6.9	6.9	0 21 8.141	+3.0794	+0.0048	+0.0027	+ 3 16 19.15	+19.962	-0.050	-0.040	4	4.76
61	B. D. + 5°52.....	8.6*	8.6	0 21 9.766	+3.0843	+0.0060	.....	+ 5 32 27.55	+19.961	-0.050	.....	4	4.72
62	10 Ceti.....	6.4	6.4	21 29.671	3.0710	0.0028	+0.0048	- 0 36 11.73	19.959	0.050	+0.002	14	6.06
63	B. D. + 8°51.....	8.0*	8.0	21 42.793	3.0918	0.0077	.....	+ 8 45 55.12	19.957	0.051	.....	4	4.78
64*	B. D. - 5°64.....	7.2	7.2	21 59.289	3.0599	0.0002	0.0000	- 5 33 23.68	19.955	0.051	+0.010	4	4.75
65	B. D. + 2°54.....	7.7*	7.7	0 22 12.319	+3.0774	+0.0043	.....	+ 2 15 38.62	+19.953	-0.052	.....	4	4.80
66*	B. D. + 9°47.....	6.0	6.0	0 23 9.789	+3.0952	+0.0083	+0.0042	+ 9 38 31.38	+19.944	-0.054	-0.174	4	4.75
67*	B. D. - 3°57.....	7.0	7.0	24 31.945	3.0639	+0.0015	+0.0045	- 3 23 32.28	19.932	0.056	+0.001	4	4.72
68	B. D. - 1°51.....	7.7*	7.7	24 43.519	3.0701	+0.0028	.....	- 0 52 26.78	19.930	0.057	.....	4	4.73
69	B. D. - 1°52.....	7.5	7.5	24 47.414	3.0681	+0.0024	+0.0103	- 1 40 6.45	19.930	0.057	-0.065	4	4.74
70	12 Ceti.....	6.0	6.0	0 24 56.111	+3.0609	+0.0009	+0.0005	- 4 30 34.93	+19.928	-0.057	-0.007	9† 87	6.55 6.49
71*	B. D. + 4°63.....	6.6	6.6	0 25 0.134	+3.0833	+0.0055	-0.0006	+ 4 18 24.72	+19.928	-0.057	-0.011	4	4.79
72	49 G. Ceti.....	5.2	8.1	25 22.710	3.0055	-0.0095	-0.0026	-24 20 26.29	19.924	0.057	+0.016	11	6.60
73	B. D. + 8°64.....	7.3	7.3	26 27.416	3.0957	+0.0079	.....	+ 8 36 33.38	19.913	0.060	.....	4	4.75
74	B. D. + 0°70.....	8.4*	8.4	26 48.548	3.0749	+0.0039	.....	+ 0 57 29.15	19.910	0.061	.....	4	4.76
75	B. D. + 6°64.....	5.7	8.6	0 27 14.129	+3.0901	+0.0068	+0.0018	+ 6 24 11.78	+19.906	-0.062	+0.012	4	4.78
76	κ Cassiopeie.....	4.2	7.1	0 27 18.651	+3.3760	+0.0712	+0.0016	+62 22 47.92	+19.905	-0.067	+0.001	10 11	6.58 6.50
77	77 G. Sculptoris.....	5.6	8.5	28 44.279	2.9754	-0.0125	-0.0023	-30 6 32.96	19.889	0.063	-0.028	10	7.45
78	B. D. + 2°67.....	7.8*	7.8	28 45.932	3.0804	+0.0049	.....	+ 2 46 7.30	19.889	0.065	.....	4	4.72
79*	B. D. + 9°62.....	6.8	6.8	28 59.780	3.1013	+0.0086	+0.0047	+ 9 45 6.80	19.887	0.066	-0.168	4	4.73
80	B. D. - 3°67.....	8.8*	8.8	0 29 9.111	+3.0636	+0.0020	.....	- 2 56 47.18	+19.885	-0.065	.....	4	4.72
81	B. D. + 0°77.....	8.4*	8.4	0 29 16.343	+3.0737	+0.0035	.....	+ 0 27 4.50	+19.884	-0.066	.....	4	4.78
82	B. D. + 5°83 (mean).....	7.0	7.0	29 23.458	3.0571	0.0009	+0.0055	- 5 5 52.48	19.882	0.066	+0.003	4	4.80
83	B. D. + 38°73.....	8.6*	8.6	29 59.958	3.2106	0.0291	.....	+38 24 10.98	19.875	0.070	.....	5 6	8.50 8.58
84	13 Ceti.....	5.2	8.1	30 6.239	3.0597	0.0014	+0.0272	- 4 8 35.30	19.874	0.067	-0.018	21	7.77
85	B. D. + 3°70.....	7.8*	7.8	0 30 19.945	+3.0839	+0.0055	.....	+ 3 44 37.00	+19.872	-0.068	.....	4	4.79
86	B. D. - 1°68.....	5.9	8.8	0 30 24.791	+3.0691	+0.0030	+0.0086	- 1 3 17.78	+19.871	-0.068	-0.061	4	4.76
87	B. D. + 8°80.....	7.9*	7.9	31 13.969	3.0989	0.0080	.....	+ 8 19 26.75	19.861	0.070	.....	4	4.73
88	ζ Cassiopeie.....	3.7	8.6	31 23.750	3.1176	0.0496	+0.0023	+53 20 47.78	19.859	0.075	-0.009	10	5.38
89	π Andromedæ.....	4.4	7.3	31 32.243	3.1922	0.0244	+0.0017	+33 10 8.25	19.857	0.073	-0.009	9	6.54 6.73
90	B. D. + 4°80.....	8.2*	8.2	0 31 47.608	+3.0881	+0.0062	.....	+ 4 51 43.02	+19.854	-0.071	.....	4	4.71
91	B. D. - 4°64.....	8.4*	8.4	0 31 50.683	+3.0596	+0.0016	.....	- 3 57 2.02	+19.854	-0.070	.....	4	4.73
92*	B. D. + 10°65.....	7.2	7.2	32 6.232	3.1082	+0.0095	+0.0018	+10 53 11.08	19.850	0.072	+0.002	4	4.80
93	319 B. Cephei.....	6.4	6.4	32 12.112	4.3946	+0.3917	-0.0523	+81 56 30.62	19.849	0.098	+0.091	14	5.33
94	319 B. Cephei s. p.	6.4	6.4	32 12.172	4.3946	+0.3917	-0.0523	+81 56 30.05	19.849	0.098	+0.091	10	7.16
95	82 B. Ceti.....	5.7	8.6	0 32 13.228	+2.9838	-0.0095	+0.1022	-25 19 2.24	+19.849	-0.070	-0.009	10	6.85
96	B. D. + 2°80.....	6.6	6.6	0 32 21.539	+3.0808	+0.0050	+0.0069	+ 2 35 12.28	+19.847	-0.072	-0.063	4	4.79
97	B. D. + 1°105.....	9.0*	9.0	32 42.508	3.0785	0.0046	.....	+ 1 50 38.58	19.843	0.072	.....	4	4.76
98	B. D. - 1°75.....	6.9	6.9	32 57.723	3.0688	0.0032	-0.0036	- 1 3 11.92	19.840	0.072	-0.006	4	4.78
99	ε Andromedæ.....	4.5	7.4	33 15.998	3.1785	0.0210	-0.0173	+28 46 6.38	19.836	0.075	-0.248	47 42	7.43 7.50
100	B. D. + 0°96.....	8.7	8.7	0 33 40.588	+3.0737	+0.0039	.....	+ 0 23 53.32	+19.831	-0.074	.....	4	4.77
101	B. D. + 7°86.....	8.6*	8.6	0 33 47.343	+3.0977	+0.0076	.....	+ 7 21 57.42	+19.829	-0.075	.....	4	4.70
102	δ Andromedæ.....	3.5	8.4	33 58.720	3.1878	0.0223	+0.0107	+30 18 49.50	19.827	0.078	-0.086	10	5.30
103	B. D. + 10°70.....	7.5	7.5	34 28.022	3.1112	0.0096	.....	+10 58 59.53	19.821	0.076	.....	4	4.76
104	B. D. + 38°85.....	8.6*	8.6	34 41.678	3.2349	0.0301	.....	+38 53 28.68	19.818	0.080	.....	4	8.92
105	α Cassiopeie.....	2.5	7.4	0 34 49.730	+3.3722	+0.0559	+0.0061	+55 59 20.30	+19.816	-0.083	-0.031	10	5.23
106	B. D. - 2°87.....	8.6*	8.6	0 35 26.059	+3.0640	+0.0027	.....	- 2 19 6.45	+19.808	-0.077	.....	4	4.74
107	B. D. - 5°101.....	6.1	6.1	35 36.900	3.0546	0.0014	-0.0014	- 4 54 2.15	19.805	0.077	-0.010	4	4.76
108*	B. D. + 8°94.....	6.5	6.5	36 1.713	3.1048	0.0085	-0.0084	+ 8 48 32.20	19.800	0.079	-0.082	4	4.80
109	B. D. + 3°93.....	7.6	7.6	37 14.103	3.0860	0.0058	.....	+ 3 37 9.53	19.783	0.081	.....	4	4.74
110	B. D. - 1°87.....	8.6*	8.6	0 37 29.876	+3.0689	+0.0035	.....	- 0 53 35.68	+19.779	-0.081	.....	4	4.78
111	B. D. + 7°100.....	8.7*	8.7	0 37 53.185	+3.1034	+0.0082	.....	+ 8 1 33.65	+19.774	-0.083	.....	4	4.77
112	B. D. + 1°124.....	7.8*	7.8	38 9.240	3.0782	+0.0048	.....	+ 1 30 20.22	19.770	0.083	.....	4	4.75
113	B. D. + 5°96.....	8.6*	8.6	38 21.346	3.0942	+0.0069	.....	+ 5 36 24.58	19.767	0.084	.....	4	4.74
114	β Ceti.....	2.2	7.1	38 34.351	2.9973	-0.0053	+0.0160	-18 32 6.96	19.764	0.082	+0.039	74 75	6.89 6.90
115	21 Cassiopeie.....	5.6	8.5	0 39 2.202	+3.8860	+0.1654	-0.0053	+74 26 29.04	+19.757	-0.104	-0.024	10	5.13

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Number of Observations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
116	21 Cassiopeia s. p.	5.6	8.5	0 39 2.357	+3.8860	+0.1654	-0.0053	+74 26 28.83	+19.757	-0.104	-0.024	10	8.51
117	o Cassiopeia	4.7	7.6	39 8.931	3.3223	+0.0416	+0.0022	+47 44 13.89	19.755	0.091	-0.005	10	5.30
118	73 G. Ceti	5.3	8.2	39 47.516	2.9764	-0.0073	-0.0034	-22 33 20.15	19.745	0.084	+0.087	10	6.18
119*	B. D. - 0°109	7.1	7.1	40 1.903	3.0712	+0.0039	+0.0168	- 0 17 33.12	19.742	0.086	-0.041	4	4.72
120	B. D. - 1°94	8.7	8.7	0 40 37.750	+3.0652	+0.0032	.....	- 1 43 55.32	+19.733	-0.087	.....	4	4.78
121	B. D. + 11°96	5.7	8.6	0 41 48.393	+3.1214	+0.0103	+0.0033	+11 25 42.85	+19.714	-0.091	-0.030	4	4.78
122	ζ Andromedæ	4.3	7.2	42 2.093	3.1795	0.0180	-0.0074	+23 43 23.28	19.711	0.093	-0.080	40	7.98
123	B. D. + 5°104	6.2	6.2	42 13.261	3.0989	0.0074	+0.0009	+ 6 11 42.45	19.708	0.091	-0.010	4	4.80
124	B. D. - 3°99	7.3	7.3	42 30.656	3.0600	0.0028	.....	- 2 52 5.00	19.703	0.091	.....	4	4.80
125	B. D. + 8°110	8.0	8.0	0 42 59.366	+3.1104	+0.0088	.....	+ 8 40 34.25	+19.695	-0.093	.....	4	4.78
126	γ Cassiopeia	3.6	8.5	0 43 4.038	+3.4608	+0.0613	+0.139†	+57 17 3.74	+19.694	-0.102	-0.52†	10	7.37
127	B. D. + 1°142	8.6*	8.6	43 4.931	3.0819	0.0054	.....	+ 2 11 1.50	19.694	0.092	.....	4	4.74
128	B. D. + 9°90	8.8	8.8	43 5.261	3.1151	0.0094	.....	+ 9 42 48.15	19.694	0.093	.....	4	4.76
129	B. D. + 6°105	6.1	9.0	43 6.048	3.1019	0.0078	+0.0071	+ 6 45 14.60	19.693	0.093	+0.008	4	4.72
130	147 B. Piscium	5.8	8.7	0 43 8.458	+3.0932	+0.0067	+0.0500	+ 4 45 53.89	+19.693	-0.093	-1.144	14	5.19
131	ν Cassiopeia	5.0	7.9	0 43 9.787	+3.3750	+0.0467	+0.0035	+50 25 22.41	+19.692	-0.100	-0.011	15	5.24
132	δ Piscium	4.6	7.5	43 29.628	3.1035	0.0079	+0.0055	+ 7 2 27.34	19.687	0.094	-0.044	47	6.90
133	B. D. + 40°167	7.4	7.4	43 45.600	3.2893	0.0328	.....	+40 32 13.35	19.682	0.100	.....	2	8.96
134	ν Andromedæ	4.4	7.3	44 17.782	3.2918	0.0329	+0.0017	+40 32 3.90	19.674	0.101	-0.021	11 10	6.05
135	59 H. Cassiopeia	5.4	8.3	0 44 39.250	+3.5959	+0.0836	+0.0047	+63 42 11.41	+19.668	-0.110	0.000	10 11	6.58 6.63
136*	B. D. - 1°104	6.8	6.8	0 44 47.680	+3.0688	+0.0039	+0.0064	- 0 46 7.82	+19.665	-0.096	-0.013	4	4.80
137	B. D. + 11°102	8.9	8.9	44 58.726	3.1244	0.0104	.....	+11 17 11.60	19.662	0.097	.....	4	4.80
138	B. D. + 3°115	8.5	8.5	45 20.950	3.1180	0.0096	.....	+ 9 52 1.42	19.656	0.098	.....	4	4.79
139	B. D. + 2°118	6.5	6.5	46 9.310	3.0856	0.0058	+0.0007	+ 2 50 33.70	19.642	0.098	-0.086	4	4.73
140	B. D. + 0°130	8.9	8.9	0 46 18.050	+3.0741	+0.0046	.....	+ 0 22 0.58	+19.639	-0.098	.....	4	4.73
141	B. D. + 1°151	9.0*	9.0	0 46 19.861	+3.0810	+0.0054	.....	+ 1 50 54.42	+19.639	-0.099	.....	4	4.74
142*	B. D. + 11°106	6.8	6.8	46 20.694	3.1306	0.0110	+0.0078	+12 14 28.26	19.638	0.100	-0.014	5	4.57
143	B. D. + 3°115	8.0*	8.0	46 46.676	3.0890	0.0062	.....	+ 3 30 59.35	19.631	0.100	.....	4	4.81
144	B. D. + 9°99 (near)	8.4	8.4	46 54.663	3.1205	0.0098	.....	+10 3 28.77	19.628	0.101	.....	3	4.15
145	B. D. + 9°99 (south)	8.8	8.8	0 46 54.73*	+3.1205	+0.0098	.....	+10 3 27.6*	+19.628	-0.101	.....	1	6.73
146*	B. D. + 12°104	7.4	7.4	0 47 14.560	+3.1360	+0.0115	-0.0004	+13 6 20.18	+19.622	-0.102	+0.009	4	4.79
147	B. D. + 7°124	8.6*	8.6	47 20.713	3.1115	0.0086	.....	+ 8 7 20.42	19.621	0.102	.....	4	4.77
148	B. D. + 9°101	8.5	8.5	47 34.877	3.1173	0.0094	.....	+ 9 15 40.80	19.616	0.102	.....	4	4.72
149	20 Ceti	4.9	7.8	47 53.798	3.0642	0.0036	-0.0004	- 1 41 13.54	19.611	0.101	-0.016	71 68	6.45 6.37
150	B. D. + 10°105	8.8	8.8	0 48 37.304	+3.1249	+0.0102	.....	+10 34 48.45	+19.597	-0.104	.....	4	4.75
151	B. D. + 38°136	8.2*	8.2	0 48 45.22*	+3.2970	+0.0311	.....	+38 31 31.90	+19.595	-0.110	.....	1 2	8.97 8.96
152	B. D. + 5°120	8.2	8.2	48 47.784	3.0984	0.0073	.....	+ 5 15 58.50	19.594	0.104	.....	5	4.54
153	B. D. + 12°108	8.3	8.3	49 46.473	3.1352	0.0112	.....	+12 18 19.90	19.576	0.107	.....	4	4.80
154	γ Cassiopeia	2.2	7.1	50 40.117	3.5835	0.0721	+0.0040	+60 10 31.24	19.559	0.123	-0.002	10	6.77
155*	B. D. + 13°127	6.8	6.8	0 50 54.252	+3.1425	+0.0119	-0.0014	+13 24 37.98	+19.554	-0.109	-0.036	4	4.82
156	μ Andromedæ	3.9	8.8	0 51 12.102	+3.3033	+0.0307	+0.0128	+37 57 25.62	+19.549	-0.115	+0.027	9 10	8.01 7.81
157	B. D. + 11°118	9.1	9.1	51 14.885	3.1363	0.0112	.....	+12 10 19.48	19.548	0.110	.....	4	4.78
158	B. D. + 8°130	8.0*	8.0	51 20.598	3.1177	0.0092	.....	+ 8 41 18.05	19.546	0.109	.....	4	4.77
159	B. D. + 9°110	8.8	8.8	51 33.514	3.1221	0.0097	.....	+ 9 28 29.68	19.542	0.110	.....	4	4.72
160	B. D. - 0°146	7.7	7.7	0 52 5.651	+3.0713	+0.0046	.....	- 0 11 54.20	+19.531	-0.109	.....	4	4.76
161	B. D. + 11°120	8.3	8.3	0 52 7.410	+3.1358	+0.0111	.....	+11 53 21.22	+19.531	-0.112	.....	4	4.73
162	h Piscium	5.6	8.5	52 25.270	3.2365	0.0221	+0.0009	+28 27 6.05	19.525	0.115	-0.012	17	5.11
163*	B. D. + 0°149	7.3	7.3	52 31.376	3.0789	0.0054	+0.0002	+ 1 14 40.46	19.523	0.110	+0.037	5	4.55
164	B. D. + 12°119	6.4	9.3	52 39.598	3.1435	0.0118	-0.0008	+13 9 19.58	19.520	0.113	-0.019	4	4.84
165	B. D. + 6°131	8.2*	8.2	0 52 46.548	+3.1102	+0.0084	.....	+ 7 4 15.18	+19.518	-0.112	.....	4	4.80
166*	B. D. + 6°135	6.9	6.9	0 53 8.189	+3.1063	+0.0080	+0.0027	+ 6 18 15.08	+19.510	-0.112	-0.010	4	4.77
167	B. D. + 3°131	8.2*	8.2	53 9.048	3.0925	+0.0067	.....	+ 3 45 23.30	19.510	0.112	.....	4	4.78
168	α Sculptoris	4.4	7.3	53 47.291	2.8936	-0.0099	+0.0006	-29 53 51.46	19.497	0.106	+0.001	13	7.38
169	B. D. + 39°224	7.4	7.4	53 51.315	3.3299	+0.0327	.....	+39 36 57.30	19.496	0.122	.....	2	8.96
170	B. D. - 1°124	7.7*	7.7	0 54 13.476	+3.0657	+0.0042	.....	- 1 12 48.58	+19.488	-0.113	.....	4	4.75
171	B. D. + 13°143	9.0	9.0	0 54 28.391	+3.1512	+0.0124	.....	+14 4 13.12	+19.483	-0.116	.....	4	4.74
172	B. D. + 5°131	6.3	6.3	54 38.623	3.1052	0.0079	+0.0014	+ 5 56 38.35	19.480	0.115	-0.009	4	4.74
173	B. D. + 1°185	7.9	7.9	54 57.013	3.0840	0.0059	.....	+ 2 5 37.72	19.473	0.115	.....	5 6	4.57 4.61
174	43 H. Cephei	4.5	7.4	55 2.15*	7.320*	1.462*	+0.077*	+85 43 14.64	19.472	0.262	-0.005	50	7.20 7.21
175	43 H. Cephei s. p.	4.5	7.4	0 55 2.24*	+7.320*	+1.462*	+0.077*	+85 43 14.50	+19.472	-0.262	-0.005	45 39	7.71 7.80
176	B. D. - 2°140	7.0	7.0	0 55 34.135	+3.0600	+0.0038	.....	- 2 11 49.45	+19.460	-0.115	.....	4	4.78
177	1 B. Ursæ Minoris	6.5	6.5	55 38.06*	15.236*	9.791*	+0.180*	+88 29 15.12	19.460	0.542	-0.016	11 10	6.93 7.02
178	1 B. Ursæ Minoris s. p.	6.5	6.5	55 38.67*	15.236*	9.791*	+0.180*	+88 29 15.39	19.460	0.542	-0.016	11 10	7.56 7.48
179	B. D. + 10°115	8.2	8.2	55 59.998	3.1331	0.0106	.....	+10 38 33.72	19.451	0.119	.....	4	4.79
180	B. D. + 4°157	8.6*	8.6	0 56 21.709	+3.0985	+0.0073	.....	+ 4 35 48.02	+19.444	-0.118	.....	4	4.79

126. Comp., 7m.2, 6", 245°. The proper motion is variable due to orbital motion. The values given are for the center of gravity of the two components.
 145. Comp., 9m.5, 1", 8, 0°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
181	B. D. + 53° 207.....	8.6*	8.6	0 56 35.150	+3.5173	+0.0557	.....	+53 42 58.00	+19.439	-0.134	.....	2	7.72
182	B. D. + 9° 116.....	8.6*	8.6	56 43.313	3.1274	0.0099	.....	+ 9 33 6.15	19.436	0.120	.....	4	4.80
183	B. D. + 7° 151.....	7.8	7.8	56 54.740	3.1150	0.0088	+0.0015	+ 7 24 5.75	19.432	0.120	+0.031	4	4.74
184	B. D. + 38° 176.....	8.2*	8.2	56 56.716	3.3379	0.0323	.....	+38 56 18.75	19.431	0.129	.....	2	8.00
185	B. D. + 13° 150.....	8.9	8.9	0 57 18.146	+3.1531	+0.0124	.....	+13 42 52.10	+19.423	-0.122	.....	4	5.53
186	B. D. + 8° 159.....	6.7	6.7	0 57 29.473	+3.1225	+0.0095	.....	+ 8 35 45.30	+19.419	-0.121	.....	4 5	4.78
187	ε Piscium.....	4.4	7.3	57 45.071	3.1153	0.0088	-0.0054	+ 7 21 7.22	19.414	0.122	+0.028	52 50	7.33 7.29
188	B. D. + 12° 126.....	8.1	8.1	57 50.947	3.1464	0.0117	.....	+12 30 43.60	19.412	0.123	.....	4	4.78
189	B. D. + 13° 155.....	8.8	8.8	58 35.184	3.1529	0.0121	.....	+13 24 1.28	19.395	0.124	.....	4	4.79
190	26 Ceti.....	6.1	9.0	0 58 40.192	+3.0772	+0.0054	+0.0079	+ 0 49 51.53	+19.394	-0.122	-0.034	21 22	5.01 4.96
191	B. D. + 39° 249.....	6.7	6.7	0 58 58.903	+3.3523	+0.0331	+0.0073	+39 27 18.25	+19.387	-0.132	-0.021	2	8.96
192	B. D. - 0° 163.....	8.5	8.5	59 9.947	3.0728	0.0051	.....	+ 0 4 44.48	19.383	0.122	.....	4	4.78
193	B. D. + 6° 155.....	7.8*	7.8	59 37.840	3.1116	0.0085	.....	+ 6 30 44.65	19.372	0.125	.....	4	4.77
194	B. D. + 4° 172.....	6.2	6.2	59 41.677	3.1032	0.0077	+0.0020	+ 5 7 13.52	19.371	0.125	-0.009	4	4.75
195	72 Piscium.....	5.6	8.5	0 59 48.539	+3.1609	+0.0129	-0.0002	+14 24 31.09	+19.368	-0.127	+0.044	14	6.49
196	B. D. + 4° 175.....	6.8	6.8	1 0 38.740	+3.0991	+0.0073	+0.0012	+ 4 22 33.16	+19.349	-0.126	-0.113	5	4.53
197	B. D. + 14° 169.....	7.3	7.3	0 39.194	3.1650	0.0132	.....	+14 50 55.72	19.349	0.129	.....	4	4.79
198	B. D. + 2° 155.....	8.0*	8.0	0 56.250	3.0892	0.0065	.....	+ 2 44 23.48	19.342	0.126	.....	4	4.82
199	B. D. + 15° 159.....	8.3	8.3	1 4.493	3.1718	0.0138	.....	+15 46 43.45	19.339	0.130	.....	4	4.80
200	B. D. + 12° 135.....	6.2	6.2	1 1 17.854	+3.1501	+0.0118	+0.0010	+12 25 12.35	+19.334	-0.130	+0.037	4	4.81
201	B. D. - 1° 144.....	8.0*	8.0	1 1 18.563	+3.0644	+0.0045	.....	- 1 17 1.60	+19.334	-0.126	.....	4	4.75
202	B. D. + 13° 165.....	7.3	7.3	1 19.906	3.1562	0.0126	.....	+13 21 1.88	19.333	0.130	.....	4	4.73
203*	B. D. + 7° 167.....	6.9	6.9	1 25.339	3.1210	0.0092	-0.0052	+ 7 49 33.50	19.331	0.128	-0.033	4	4.73
204	μ Cassiopeiae.....	5.3	8.2	1 39.633	3.5687	0.0582	+0.3921	+54 25 36.18	19.327	0.147	-1.556	10	7.17
205	B. D. + 10° 128.....	7.1	7.1	1 1 48.772	+3.1417	+0.0110	.....	+11 1 2.22	+19.322	-0.130	.....	5	4.53
206	B. D. + 15° 164.....	8.1	8.1	1 2 34.312	+3.1711	+0.0136	.....	+15 19 47.50	+19.304	-0.133	.....	4	4.83
207	B. D. + 1° 212.....	6.7	6.7	2 50.231	3.0816	0.0059	+0.0089	+ 1 28 12.65	19.298	0.130	-0.425	4	4.80
208*	B. D. + 9° 132.....	6.9	6.9	3 8.086	3.1324	0.0102	-0.0022	+ 9 22 27.35	19.291	0.132	+0.048	4	4.83
209	e Piscium.....	5.7	8.6	3 12.914	3.1050	0.0079	-0.0182	+ 5 7 14.25	19.289	0.131	-0.181	14 15	6.14 6.05
210	η Ceti.....	3.6	8.5	1 3 33.699	+3.0031	+0.0001	+0.0141	+10 42 44.80	+19.281	-0.128	-0.133	21	8.42
211	44 H. Cephei.....	5.7	8.6	1 3 37.621	+4.9817	+0.3403	+0.0324	+79 8 29.79	+19.279	-0.207	+0.008	11	7.87
212	44 H. Cephei s. r.....	5.7	8.6	3 37.438	4.9817	0.3403	+0.0324	+79 8 29.80	19.279	0.207	+0.008	12 11	6.61 6.44
213	B. D. + 37° 223.....	7.6	7.6	4 7.759	3.3565	0.0314	.....	+37 35 29.85	19.267	0.143	.....	2	8.96
214	β Andromedæ.....	2.4	7.3	4 7.919	3.3317	0.0288	+0.0149	+35 5 25.27	19.267	0.142	-0.115	10	6.81
215*	B. D. + 14° 175.....	6.4	6.4	1 4 53.227	+3.1734	+0.0136	+0.0008	+15 8 30.75	19.249	-0.138	-0.025	4	4.73
216	B. D. + 5° 150.....	8.9*	8.9	1 5 22.620	+3.1133	+0.0086	.....	+ 6 13 7.50	+19.237	-0.136	.....	4	4.73
217	B. D. + 1° 221.....	6.2	6.2	5 24.767	3.0849	0.0063	-0.0002	+ 1 54 49.00	19.236	0.135	-0.002	4	4.72
218	g Piscium.....	5.0	7.9	5 35.738	3.2981	0.0249	-0.0017	+30 53 34.47	19.231	0.144	-0.014	10	6.82
219	B. D. + 16° 123.....	8.3	8.3	5 45.195	3.1826	0.0143	.....	+16 14 44.12	19.227	0.139	.....	5	4.57
220	B. D. + 13° 175.....	8.0	8.0	1 5 58.838	+3.1681	+0.0129	.....	+14 9 37.15	+19.222	-0.139	.....	4	4.79
221	χ Piscium.....	4.9	7.8	1 6 4.598	+3.2144	+0.0170	+0.0014	+20 30 10.70	+19.219	-0.142	+0.006	10	7.13
222	τ Piscium.....	4.7	7.6	6 9.047	3.2881	0.0238	+0.0055	+29 33 31.77	19.218	0.145	-0.038	11	7.28
223*	B. D. + 9° 138.....	6.6	6.6	6 14.502	3.1379	0.0105	+0.0042	+ 9 45 37.28	19.215	0.139	0.000	4	4.84
224	B. D. + 3° 166.....	8.7*	8.7	6 17.642	3.0983	0.0074	.....	+ 3 53 51.18	19.214	0.137	.....	4 5	4.83 4.82
225	B. D. + 13° 176.....	8.7*	8.7	1 6 28.735	+3.1630	+0.0126	.....	+13 20 42.83	+19.209	-0.140	.....	4	4.77
226	B. D. + 7° 181.....	9.1*	9.1	1 6 29.730	+3.1264	+0.0096	.....	+ 8 2 51.80	+19.209	-0.139	.....	4	4.80
227	B. D. + 54° 241.....	9.4*	9.4	6 53.788	3.6259	0.0612	.....	+55 12 40.00	19.199	0.160	.....	2	7.85
228*	B. D. + 11° 158.....	7.1	7.1	7 3.826	3.1525	0.0116	-0.0096	+11 45 7.10	19.195	0.141	-0.017	4	4.74
229	B. D. + 1° 223.....	6.8	6.8	7 22.874	3.0855	0.0064	-0.0120	+ 1 56 35.92	19.187	0.139	-0.105	4	4.77
230	B. D. + 15° 175.....	8.5	8.5	1 7 30.804	+3.1853	+0.0144	.....	+16 14 1.08	+19.183	-0.143	.....	5	4.54
231	ζ ¹ Piscium.....	5.6	8.5	1 8 30.368	+3.1210	+0.0091	+0.0089	+ 7 2 47.87	+19.158	-0.142	-0.052	73 72	6.22 6.17
232	B. D. + 10° 147.....	9.0	9.0	8 31.778	3.1438	0.0109	.....	+10 17 0.78	19.157	0.143	.....	4	4.84
233	B. D. + 15° 177.....	5.8	8.7	8 48.822	3.1827	0.0140	-0.0019	+15 36 15.16	19.150	0.145	-0.008	4	4.80
234	B. D. + 38° 220.....	7.7	7.7	9 3.019	3.3926	0.0333	.....	+38 55 13.75	19.144	0.155	.....	2	8.96
235	37 Ceti.....	5.2	8.1	1 9 21.826	+3.0131	+0.0015	+0.0084	- 8 27 34.63	+19.136	-0.139	+0.268	10	5.86
236	B. D. + 6° 181.....	6.2	6.2	1 9 30.219	+3.1176	+0.0089	-0.0008	+ 6 27 58.98	+19.132	-0.144	-0.026	4	4.80
237	B. D. + 37° 242.....	7.8*	7.8	9 45.363	3.3848	0.0322	.....	+37 57 27.35	19.125	0.157	.....	2	8.02
238	B. D. + 0° 210.....	6.7	6.7	10 27.558	3.0751	0.0058	.....	+ 0 23 0.88	19.107	0.144	.....	4	4.79
239*	B. D. + 9° 142.....	7.1	7.1	10 32.863	3.1383	0.0104	-0.0008	+ 9 15 18.92	19.104	0.147	-0.026	4	4.78
240	B. D. + 16° 129.....	8.4	8.4	1 10 50.998	+3.1975	+0.0150	.....	+17 6 23.75	+19.096	-0.150	.....	4	4.73
241	B. D. + 37° 248.....	7.9*	7.9	1 11 16.237	+3.3911	+0.0323	.....	+37 55 59.45	+19.085	-0.159	.....	4	8.01
242	B. D. + 1° 238.....	7.9*	7.9	11 26.375	3.0881	0.0068	.....	+ 2 12 27.47	19.081	0.146	.....	5 6	4.55 4.59
243	B. D. + 4° 216.....	8.3*	8.3	11 33.500	3.1049	0.0080	.....	+ 4 31 41.00	19.078	0.147	.....	4	4.84
244	B. D. + 15° 185.....	8.7	8.7	12 9.402	3.1897	0.0140	.....	+15 49 37.90	19.061	0.152	.....	4	4.80
245	B. D. + 13° 192.....	7.4	7.4	1 12 14.867	+3.1735	+0.0130	.....	+13 42 57.95	+19.059	-0.152	.....	4	4.80

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				$h^m.s$	s	s	s	$^{\circ} ' ''$	$''$	$''$	$''$		1900+
246	B. D. +38°233.....	8.2*	8.2	1 12 37.876	+3.4008	+0.0327	.....	+38 15 23.00	+19.049	-0.163	.....	2	7.38
247	<i>f</i> Piscium.....	5.3	8.2	12 38.365	3.0948	0.0072	-0.0034	+3 5 17.06	19.048	0.149	-0.023	25	7.29
248	<i>u</i> Piscium.....	4.7	7.6	13 58.086	3.2859	0.0219	+0.0017	+26 44 18.86	19.012	0.160	-0.012	73 70	5.96 5.92
249	B. D. + 7°197.....	8.0	8.0	14 14.743	3.1311	0.0098	.....	+ 7 52 11.28	19.004	0.153	.....	4	4.84
250	B. D. +11°167.....	8.1*	8.1	1 14 25.979	+3.1600	+0.0119	.....	+11 37 13.45	+18.999	-0.155	.....	4	4.76
251	B. D. +14°204.....	7.5	7.5	1 15 21.099	+3.1894	+0.0140	.....	+15 10 17.40	+18.973	-0.158	.....	4	4.74
252	<i>l</i> Piscium.....	5.6	8.5	15 35.506	3.3046	0.0232	+0.0018	+28 12 56.58	18.966	0.164	-0.076	14	5.36
253*	B. D. +10°168.....	6.9	6.9	16 2.545	3.1571	0.0116	+0.0030	+11 0 45.26	18.953	0.158	+0.008	5	4.56
254	<i>ξ</i> Andromedæ.....	5.0	7.9	16 26.998	3.5100	0.0419	+0.0039	+45 0 17.90	18.942	0.176	+0.004	10	7.12
255	B. D. +11°172.....	7.0	7.0	1 16 40.770	+3.1663	+0.0123	.....	+12 4 49.72	+18.935	-0.160	.....	4	4.74
256	B. D. + 2°196.....	8.7*	8.7	1 17 8.475	+3.0954	+0.0074	.....	+ 2 59 37.88	+18.922	-0.157	.....	4	4.81
257	B. D. + 4°232.....	9.2	9.2	17 14.774	3.1127	0.0085	.....	+ 5 12 49.00	18.919	0.158	.....	4	4.80
258	B. D. + 0°223.....	6.5	6.5	17 27.985	3.0817	0.0065	+0.0034	+12 16.00	18.912	0.157	-0.047	4	4.82
259	B. D. + 9°158.....	7.5	7.5	17 28.584	3.1493	0.0110	.....	+ 9 50 55.90	18.912	0.160	.....	4	4.83
260*	B. D. + 3°190.....	7.0	7.0	1 17 32.702	+3.1050	+0.0080	+0.0006	+ 4 12 56.75	+18.910	-0.158	-0.031	4	4.74
261*	B. D. +10°171.....	6.9	6.9	1 17 36.973	+3.1574	+0.0116	+0.0019	+10 50 41.68	+18.908	-0.161	-0.022	4	4.76
262*	B. D. + 6°211.....	7.3	7.3	17 43.014	3.1261	+0.0095	+0.0065	+ 6 53 25.28	18.905	0.159	+0.256	5	4.54
263	B. D. + 8°218.....	8.0*	8.0	17 51.946	3.1402	+0.0104	.....	+ 8 39 57.80	18.901	0.160	.....	4	4.74
264	B. D. +14°213.....	8.9*	8.9	18 41.158	3.1911	+0.0139	.....	+14 47 0.98	18.877	0.164	.....	4	4.81
265	109 G. Sculptoris.....	5.8	8.7	1 18 51.779	+2.7964	-0.0080	+0.0002	-31 27 59.63	+18.872	-0.145	-0.055	11	7.29
266	<i>φ</i> Cassiopeiae.....	5.0	7.9	1 18 51.861	+4.1666	+0.1224	+0.0139	+67 36 29.56	+18.872	-0.213	+0.034	11	6.94
267	<i>ψ</i> Cassiopeiae s. p.	5.0	7.9	18 51.933	4.1666	0.1224	+0.0139	+67 36 29.28	18.872	0.213	+0.034	10 9	7.95 8.02
268	B. D. +13°207.....	9.1*	9.1	19 1.113	3.1798	0.0131	.....	+13 22 48.22	18.863	0.165	.....	4	4.80
269	<i>θ</i> Ceti.....	3.8	8.7	19 1.447	3.0032	0.0019	-0.0054	- 8 41 58.95	18.867	0.156	-0.213	49 43	8.55 8.80
270	<i>δ</i> Cassiopeiae.....	2.8	7.7	1 19 16.364	+3.8482	+0.0781	+0.0400	+59 42 56.16	+18.860	-0.198	-0.046	10	5.46
271	B. D. +34°243.....	7.9	7.9	1 19 27.56	+3.3928	+0.0299	.....	+35 12 43.35	+18.854	-0.176	.....	1 2	8.97 8.96
272	B. D. + 2°207.....	7.0	7.0	20 30.832	3.0920	0.0073	.....	+ 2 27 6.58	18.822	0.163	.....	4	4.81
273*	B. D. + 9°167.....	7.2	7.2	20 42.095	3.1527	0.0112	+0.0094	+ 9 53 11.72	18.817	0.166	-0.039	4	4.80
274	B. D. +38°263.....	7.8*	7.8	21 27.845	3.4508	0.0343	.....	+39 8 10.60	18.794	0.183	.....	2	7.98
275	<i>ω</i> Andromedæ.....	5.0	7.9	1 21 40.332	+3.5368	+0.0422	+0.0324	+44 53 25.23	+18.787	-0.188	-0.096	12	5.53
276	B. D. + 2°211.....	6.4	6.4	1 21 43.407	+3.0969	+0.0076	.....	+ 3 0 59.92	+18.786	-0.166	.....	4	4.76
277	B. D. +10°185.....	8.5*	8.5	21 44.477	3.1617	0.0117	.....	+10 50 55.30	18.785	0.169	.....	4	4.73
278	B. D. + 4°251.....	7.3	7.3	22 28.238	3.1122	0.0086	-0.0018	+ 4 50 14.54	18.763	0.168	-0.139	5	4.53
279	<i>α</i> Ursæ Minoris.....	2.1	7.0	22 35.15	25.084	20.013	+0.138	+88 46 26.38	18.760	1.298	+0.001	80 79	8.24 8.23
280	<i>α</i> Ursæ Minoris s. p.	2.1	7.0	1 22 35.28	+25.084	+20.013	+0.138	+88 46 26.62	+18.760	-1.298	+0.001	71 69	8.38 8.50
281	B. D. +16°154.....	6.8	6.8	1 23 1.437	+3.2132	+0.0152	+0.0073	+16 33 42.58	+18.746	-0.174	-0.034	4	4.75
282*	B. D. + 7°213.....	6.4	6.4	23 8.209	3.1343	0.0099	+0.0027	+ 7 26 36.52	18.742	0.170	+0.008	4	4.79
283	B. D. +37°292.....	8.7*	8.7	23 15.580	3.4359	0.0325	.....	+37 26 0.25	18.738	0.186	.....	2	8.00
284	B. D. +37°293.....	8.6*	8.6	23 18.872	3.4358	0.0325	.....	+37 24 46.52	18.737	0.186	.....	4	8.00
285	B. D. +35°282.....	7.3	7.3	1 23 29.106	+3.4197	+0.0310	.....	+36 6 37.70	+18.731	-0.186	.....	2	8.98
286	38 Cassiopeiae.....	6.0	8.9	1 23 47.026	+4.3674	+0.1450	+0.0277	+69 44 59.82	+18.722	-0.235	-0.066	10	6.01
287	38 Cassiopeiae s. p.	6.0	8.9	23 47.103	4.3674	0.1450	+0.0277	+69 44 59.37	18.722	0.235	-0.066	10 9	7.99 8.06
288	B. D. + 6°228.....	6.7	6.7	23 49.815	3.1292	0.0096	-0.0022	+ 6 46 40.68	18.721	0.171	-0.051	4	4.82
289	B. D. + 8°238.....	8.5*	8.5	23 55.670	3.1495	0.0109	.....	+ 9 9 38.58	18.717	0.172	.....	4	4.80
290	B. D. +11°187.....	8.2*	8.2	1 24 7.221	+3.1732	+0.0124	.....	+11 52 19.50	+18.712	-0.174	.....	4	4.82
291	B. D. +13°222.....	8.9*	8.9	1 24 33.796	+3.1898	+0.0135	.....	+13 41 35.20	+18.698	-0.176	.....	4	4.74
292	<i>δ</i> Ceti.....	5.1	8.0	24 48.336	2.8756	-0.0035	+0.0040	-22 8 47.09	18.690	0.180	+0.002	12	5.70
293	<i>μ</i> Piscium.....	5.1	8.0	24 56.747	3.1200	+0.0091	+0.0194	+ 5 37 42.46	18.686	0.173	-0.044	14	6.10
294	B. D. + 1°269.....	8.7*	8.7	25 45.310	3.0869	+0.0071	.....	+ 1 42 19.72	18.660	0.172	.....	5	4.55
295	<i>η</i> Piscium.....	3.7	8.6	1 26 7.856	+3.2022	+0.0142	+0.0020	+14 49 49.76	+18.648	-0.179	-0.010	44 40	7.17 7.10
296*	B. D. +10°197.....	7.6	7.6	1 26 25.498	+3.1624	+0.0117	+0.0039	+10 22 25.68	+18.638	-0.178	+0.007	4	4.78
297	B. D. +15°227.....	8.1*	8.1	26 33.095	3.2093	0.0147	.....	+15 32 8.92	18.634	0.180	.....	4	4.80
298*	B. D. +16°167.....	6.8	6.8	26 39.707	3.2179	0.0152	+0.0084	+16 26 14.90	18.631	0.181	-0.180	4	4.81
299	B. D. +37°310.....	8.6*	8.6	27 17.926	3.4614	0.0334	.....	+38 3 26.95	18.610	0.195	.....	6	8.00
300	B. D. + 4°266.....	8.3*	8.3	1 27 41.245	+3.1095	+0.0085	.....	+ 4 15 38.80	+18.597	-0.177	.....	4	4.80
301	B. D. +40°315.....	7.5	7.5	1 27 42.120	+3.4969	+0.0363	.....	+40 23 18.75	+18.597	-0.198	.....	2	8.98
302*	B. D. + 7°229.....	6.6	6.6	28 3.612	3.1400	0.0103	+0.0021	+ 7 41 45.35	18.585	0.180	-0.005	4	4.73
303	B. D. +36°276.....	9.2*	9.2	28 5.311	3.4475	0.0321	.....	+36 49 18.10	18.584	0.197	.....	2	8.02
304	B. D. + 3°215.....	8.1	8.1	28 34.619	3.1010	0.0080	.....	+ 3 15 31.75	18.568	0.178	.....	4	4.74
305	B. D. + 8°246.....	8.8*	8.8	1 28 40.111	+3.1475	+0.0107	.....	+ 8 28 49.98	+18.565	-0.181	.....	5	4.56
306	B. D. +17°224.....	6.0	8.9	1 29 24.283	+3.2370	+0.0162	+0.0024	+17 56 59.88	+18.541	-0.188	-0.081	4	4.77
307	B. D. +11°201.....	7.0	7.0	29 32.752	3.1810	0.0127	-0.0001	+12 2 48.15	18.536	0.184	-0.010	4	4.76
308	B. D. +13°238.....	7.9*	7.9	29 34.417	3.1981	0.0138	.....	+13 52 23.58	18.535	0.185	.....	4	4.84
309	B. D. +39°358.....	7.9	7.9	30 5.289	3.4924	0.0352	.....	+39 22 14.45	18.518	0.203	.....	2	7.98
310	B. D. + 9°189.....	8.5*	8.5	1 30 16.292	+3.1632	+0.0116	.....	+10 3 0.48	+18.512	-0.185	.....	4	4.78

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
311	B. D. +13°240.....	6.2	6.2	1 30 25.477	+3.2019	+0.0140	+0.0001	+14 9 0.98	+18.507	-0.187	-0.011	4	4.79
312	B. D. +16°176.....	5.9	8.8	30 30.041	3.2288	0.0156	+0.0103	+16 55 19.25	18.504	0.189	+0.023	4	4.74
313	40 Cassiopeiae.....	5.5	8.4	30 30.939	4.7063	0.1864	-0.0012	+72 31 49.32	18.503	0.272	-0.006	10	5.64
314	40 Cassiopeiae s. p.....	5.5	8.4	30 31.085	4.7063	0.1864	-0.0012	+72 31 49.35	18.503	0.272	-0.006	10	8.12
315*	B. D. + 6°244 (south).....	7.7	7.7	1 30 48.731	+3.1369	+0.0101	-0.0011	+ 7 8 0.98	+18.493	-0.184	+0.031	4	4.83
316	ν Andromedae.....	4.2	7.1	1 30 55.400	+3.5198	+0.0371	-0.0158	+40 54 17.25	+18.490	-0.206	-0.378	10	6.57
317	B. D. + 3°218.....	7.9*	7.9	31 5.645	3.1067	0.0084	.....	+ 3 43 12.14	18.484	0.183	.....	5	4.56
318	B. D. + 5°218.....	7.1	7.1	31 27.900	3.1288	0.0096	.....	+ 6 12 29.60	18.471	0.185	.....	4	4.75
319*	B. D. + 7°240.....	6.7	6.7	31 29.018	3.1391	0.0102	+0.0022	+ 7 19 15.65	18.471	0.186	-0.024	4	4.80
320	π Piscium.....	5.6	8.5	1 31 47.717	+3.1796	+0.0125	-0.0051	+11 37 49.45	+18.460	-0.189	+0.037	50 45	7.03 6.95
321	B. D. + 4°282.....	8.4	8.4	1 31 48.988	+3.1191	+0.0090	.....	+ 5 7 21.75	+18.460	-0.185	.....	4	4.78
322	ν Persei.....	3.8	8.7	31 51.071	3.6539	0.0486	+0.0061	+48 7 17.06	18.458	0.218	-0.112	10	8.35
323*	B. D. +11°207.....	6.9	6.9	32 21.459	3.1796	0.0126	+0.0092	+11 34 7.05	18.441	0.190	-0.012	4	4.81
324	B. D. +37°335.....	7.7	7.7	32 56.351	3.4864	0.0338	.....	+38 8 34.15	18.421	0.209	.....	4	8.50
325	B. D. + 1°293.....	7.1	7.1	1 33 10.290	+3.0915	+0.0076	.....	+ 2 4 38.32	+18.413	-0.186	.....	4	4.75
326	B. D. +15°244.....	6.9	6.9	1 33 51.779	+3.2261	+0.0152	-0.0002	+16 7 5.10	+18.389	-0.195	-0.031	4	4.83
327	B. D. +13°255.....	6.9	6.9	33 53.831	3.2029	0.0138	+0.0062	+13 46 41.82	18.388	0.194	-0.037	5	4.55
328	B. D. +15°245.....	6.1	6.1	34 17.008	3.2246	0.0152	+0.0050	+15 53 54.90	18.374	0.195	-0.013	4	4.76
329	B. D. +14°250.....	8.9*	8.9	34 21.543	3.2148	0.0145	.....	+14 55 1.75	18.372	0.195	.....	4	4.77
330	τ Andromedae.....	4.9	7.8	1 34 40.432	+3.5237	+0.0362	+0.0012	+40 4 14.64	+18.360	-0.214	-0.025	14	5.40
331	ω Cassiopeiae.....	5.5	8.4	1 34 55.727	+4.3733	+0.1282	+0.0097	+67 32 14.33	+18.352	-0.264	-0.002	10	5.97
332	ω Cassiopeiae s. p.....	5.5	8.4	34 55.828	4.3733	0.1282	+0.0097	+67 32 14.35	18.352	0.264	-0.002	10 9	8.09 8.06
333*	B. D. + 8°258.....	6.7	6.7	35 18.863	3.1507	0.0108	+0.0096	+ 8 15 14.15	18.338	0.194	+0.007	4	4.78
334	B. D. + 6°259.....	8.7*	8.7	35 55.118	3.1398	0.0102	.....	+ 7 5 4.65	18.317	0.194	.....	4	4.80
335	ν Piscium.....	4.7	7.6	1 36 13.544	+3.1198	+0.0091	-0.0014	+ 4 58 54.56	+18.306	-0.194	+0.001	50 47	7.07 7.05
336	B. D. +38°326.....	8.5*	8.5	1 36 14.669	+3.5121	+0.0348	.....	+38 54 24.45	+18.305	-0.217	.....	4	7.98
337	B. D. +39°384.....	6.8	6.8	36 42.533	3.5296	0.0362	.....	+39 52 20.95	18.288	0.218	.....	2	6.73
338	B. D. + 3°230.....	8.7*	8.7	36 44.355	3.1122	0.0087	.....	+ 4 10 3.10	18.287	0.194	.....	4	4.77
339	B. D. +15°251.....	7.6	7.6	37 3.675	3.2223	0.0148	.....	+15 16 25.82	18.276	0.201	.....	4	4.81
340	B. D. + 9°206.....	7.4	7.4	1 37 18.673	+3.1669	+0.0117	.....	+ 9 44 25.86	+18.267	-0.198	.....	5	4.55
341	φ Persei.....	4.2	7.1	1 37 23.358	+3.7333	+0.0532	+0.0029	+50 11 6.37	+18.264	-0.232	-0.018	10	7.35
342	B. D. +10°225.....	8.5*	8.5	37 31.657	3.1754	0.0121	.....	+10 34 55.58	18.259	0.199	.....	4	4.77
343	B. D. +11°221.....	8.7*	8.7	37 42.715	3.1905	0.0130	.....	+12 3 48.82	18.252	0.200	.....	4	4.74
344	B. D. +37°356.....	7.9*	7.9	38 16.956	3.5068	0.0339	.....	+38 1 7.02	18.232	0.220	.....	4	8.50
345	B. D. + 2°255.....	8.1*	8.1	1 38 41.205	+3.1024	+0.0083	.....	+ 3 5 13.70	+18.217	-0.196	.....	4	4.80
346	B. D. +13°270.....	8.5*	8.5	1 39 3.770	+3.2073	+0.0138	.....	+13 33 17.75	+18.203	-0.204	.....	4	4.81
347	τ Ceti.....	3.6	8.5	39 24.405	2.9063	-0.0003	-0.1195	-16 27 43.39	18.190	0.186	+0.856	48 44	7.85 7.80
348	ο Piscium.....	4.5	7.4	40 6.733	3.1584	+0.0111	+0.0046	+ 8 39 17.35	18.164	0.203	+0.051	53 47	6.37 6.28
349	B. D. +14°270.....	9.1*	9.1	40 29.600	3.2191	+0.0145	.....	+14 30 10.28	18.150	0.207	.....	4	4.76
350	ε Sculptoris.....	5.4	8.3	1 40 57.810	+2.7999	-0.0036	+0.0116	-25 33 8.11	+18.133	-0.182	-0.057	10	5.63
351	B. D. + 5°240.....	8.9*	8.9	1 40 59.858	+3.1326	+0.0098	.....	+ 6 2 6.88	+18.131	-0.202	.....	4	4.84
352	B. D. +16°196.....	6.5	6.5	41 9.563	3.2459	0.0160	+0.0036	+16 54 43.66	18.126	0.210	+0.011	5	4.55
353*	B. D. +10°241.....	7.0	7.0	41 50.678	3.1772	0.0121	+0.0016	+10 20 40.80	18.100	0.207	-0.005	4	4.74
354	B. D. +12°232.....	8.5*	8.5	42 15.394	3.2022	0.0134	.....	+12 41 29.12	18.084	0.209	.....	4	4.76
355	B. D. +16°203.....	5.7	8.6	1 42 45.376	+3.2435	+0.0157	+0.0033	+16 27 27.92	+18.065	-0.213	-0.025	4	4.84
356	B. D. +16°204.....	7.3	7.3	1 42 55.686	+3.2445	+0.0158	-0.0020	+16 31 21.98	+18.059	-0.213	+0.054	4	4.78
357*	B. D. + 2°270.....	6.0	6.0	43 15.133	3.1047	0.0085	+0.0014	+ 3 11 11.35	18.047	0.205	-0.007	4	4.82
358	B. D. +38°355.....	8.8*	8.8	43 22.100	3.5433	0.0352	.....	+38 57 14.20	18.042	0.233	.....	4	8.00
359*	B. D. + 6°275.....	7.3	7.3	43 25.346	3.1458	0.0104	+0.0025	+ 7 11 10.65	18.040	0.208	-0.081	4	4.76
360	B. D. +36°320.....	8.8*	8.8	1 43 51.803	+3.5120	+0.0328	.....	+36 55 12.12	+18.023	-0.232	.....	6	8.00
361	B. D. + 4°316.....	8.6	8.6	1 44 16.899	+3.1251	+0.0095	.....	+ 5 7 45.52	+18.007	-0.208	.....	4	4.83
362	B. D. +37°382.....	7.7	7.7	44 34.655	3.5293	0.0338	.....	+37 48 31.92	17.996	0.234	.....	4	6.73
363	χ Ceti.....	4.8	7.7	44 40.322	2.9558	0.0022	-0.0108	-11 10 50.84	17.992	0.198	-0.079	14	5.32
364	B. D. +13°286.....	8.7*	8.7	44 42.912	3.2177	0.0142	.....	+13 51 10.08	17.990	0.215	.....	5	4.53
365	54 Ceti.....	5.9	8.8	1 45 33.460	+3.1829	+0.0123	-0.0047	+10 32 54.12	+17.958	-0.214	-0.027	14 13	6.38 6.50
366	2 Persei.....	5.6	8.5	1 45 47.508	+3.7893	+0.0540	+0.0025	+50 17 55.09	+17.949	-0.254	-0.029	10	6.56
367	B. D. + 3°249.....	8.7*	8.7	45 48.978	3.1111	0.0088	.....	+ 3 43 35.05	17.948	0.210	.....	4	4.76
368	B. D. + 8°284.....	8.3*	8.3	46 15.275	3.1649	0.0114	.....	+ 8 48 25.50	17.931	0.214	.....	4	4.81
369	ζ Ceti.....	3.9	8.8	46 31.467	2.9577	0.0024	+0.0025	-10 49 44.26	17.920	0.201	-0.032	47 46	8.59 8.72
370	ε Cassiopeiae.....	3.4	8.3	1 47 11.740	+4.2641	+0.1003	+0.0057	+63 10 39.63	+17.894	-0.288	-0.017	16	7.26
371	ε Cassiopeiae s. p.....	3.4	8.3	1 47 11.863	+4.2641	+0.1003	+0.0057	+63 10 39.33	+17.894	-0.288	-0.017	5	10.06
372	α Trianguli.....	3.6	8.5	47 22.718	3.4081	0.0250	+0.0013	+29 5 28.49	17.886	0.232	-0.232	35 34	9.39 9.35
373	B. D. + 3°257.....	8.7*	8.7	47 35.402	3.1165	0.0091	.....	+ 4 10 10.32	17.879	0.213	.....	4	4.80
374	B. D. +14°298.....	8.3*	8.3	47 50.107	3.2340	0.0149	.....	+14 56 23.20	17.868	0.221	.....	4	4.82
375	γ Arietis (south).....	4.8	7.7	1 48 2.475	+3.2790	+0.0173	+0.0057	+18 48 12.71	+17.860	-0.225	-0.108	15	6.31

315. Comp., 7m.7, 1".4, 42°. The proper motion given is for the mean of the two components.

375. Comp., 4m.8, 8".0, 359°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Num- ber of Observations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
376	B. D. +11°248.....	7.1	7.1	1 48 8.978	+3.2036	+0.0132	.....	+12 11 25.68	+17.856	-0.220	.....	4	4.82
377	ε Piscium.....	4.8	7.7	48 22.649	3.1010	0.0084	+0.0015	+2 41 39.36	17.847	0.214	+0.025	44 42	9.08 9.07
378	B. D. + 6°296.....	7.9*	7.9	48 22.823	3.1486	0.0106	.....	+7 8 29.36	17.847	0.217	.....	5	4.55
379	B. D. +39°434.....	6.5	6.5	48 52.570	3.5891	0.0371	.....	+40 12 43.55	17.827	0.247	.....	4	6.73
380	B. D. + 9°236.....	8.1*	8.1	1 48 53.492	+3.1742	+0.0118	.....	+9 27 37.92	+17.826	-0.219	.....	4	4.78
381	B. D. +10°257.....	7.4	7.4	1 49 4.755	+3.1904	+0.0126	.....	+10 54 37.48	+17.819	-0.221	.....	4	4.79
382*	B. D. + 8°292.....	7.0	7.0	49 5.300	3.1616	0.0112	+0.0050	+8 17 20.98	17.818	0.218	+0.027	4	4.81
383	β Arietis.....	2.7	7.6	49 6.905	3.2992	0.0183	+0.0068	+20 19 9.13	17.817	0.228	-0.111	40	7.19 7.15
384	B. D. +13°296.....	8.0*	8.0	49 24.768	3.2171	0.0139	.....	+13 15 56.92	17.805	0.223	.....	4	4.81
385	B. D. + 5°262.....	8.1*	8.1	1 50 4.192	+3.1367	+0.0100	.....	+5 56 49.92	+17.779	-0.219	.....	4	4.84
386	B. D. +16°217.....	8.3*	8.3	1 50 4.575	+3.2576	+0.0160	.....	+16 41 55.98	+17.779	-0.227	.....	4	4.75
387	B. D. +37°437.....	8.1*	8.1	51 50.983	3.5612	0.0343	.....	+37 57 29.02	17.706	0.251	.....	4	8.48
388	B. D. +17°289.....	5.2	8.1	51 53.119	3.2679	0.0164	+0.0021	+17 19 46.12	17.705	0.231	-0.026	6 5	4.43 4.58
389	λ Arietis.....	4.8	7.7	52 21.200	3.3408	0.0204	-0.0068	+23 6 30.97	17.686	0.237	-0.018	11	5.40
390	B. D. +15°286.....	8.1*	8.1	1 53 12.989	+3.2474	+0.0153	.....	+15 26 35.30	+17.650	-0.232	.....	4	4.78
391	B. D. +39°448.....	8.2	8.2	1 53 36.142	+3.6072	+0.0369	.....	+40 4 42.99	+17.634	-0.258	.....	8	8.00
392	B. D. +11°261.....	6.1	6.1	54 4.540	3.2058	0.0132	-0.0001	+11 48 35.82	17.614	0.231	-0.035	4	4.76
393*	B. D. + 5°274.....	7.1	7.1	54 44.018	3.1347	0.0100	+0.0042	+5 33 2.18	17.587	0.226	-0.025	4	4.79
394	50 Cassiopeiae.....	4.1	7.0	54 53.135	5.0416	0.1897	-0.0083	+71 56 15.48	17.580	0.361	+0.023	17	7.58
395	50 Cassiopeiae s. p.	4.1	7.0	1 54 53.172	+5.0416	+0.1897	-0.0083	+71 56 15.18	+17.580	-0.361	+0.023	19 20	7.99 8.09
396	B. D. +37°455.....	8.0*	8.0	1 54 56.836	+3.5780	+0.0346	.....	+38 11 59.88	+17.578	-0.258	.....	4	6.73
397	B. D. + 5°276.....	8.9*	8.9	54 57.096	3.1418	+0.0103	.....	+6 10 8.32	17.578	0.228	.....	4	4.81
398	B. D. + 9°253.....	8.0	8.0	55 3.310	3.1874	+0.0123	.....	+10 8 42.95	17.573	0.231	.....	4	4.81
399	B. D. + 3°273.....	7.1	7.1	55 9.636	3.1163	+0.0092	.....	+3 54 16.30	17.569	0.226	.....	4	4.76
400	υ Ceti.....	4.2	7.1	1 55 17.674	+2.8177	-0.0012	+0.0093	-21 33 43.91	+17.563	-0.206	-0.020	24	7.30
401	B. D. + 8°308.....	8.7*	8.7	1 55 27.355	+3.1714	+0.0116	.....	+8 43 39.60	+17.556	-0.231	.....	4	4.83
402	53 Cassiopeiae.....	5.6	8.5	55 35.663	4.3911	0.1060	+0.0014	+63 54 25.61	17.550	0.317	+0.005	16	5.26
403	B. D. +15°292.....	7.7	7.7	55 43.345	3.2587	0.0157	.....	+16 4 54.90	17.545	0.237	.....	5	4.57
404	B. D. +14°326.....	6.8	6.8	56 25.422	3.2415	0.0148	.....	+14 35 1.92	17.515	0.237	.....	4	4.74
405*	B. D. + 7°313.....	7.2	7.2	1 56 35.439	+3.1567	+0.0109	+0.0117	+7 22 57.65	+17.508	-0.231	-0.068	4	4.77
406	B. D. +37°465.....	8.2*	8.2	1 56 38.028	+3.5822	+0.0344	.....	+38 3 42.20	+17.506	-0.262	.....	4	8.48
407	α Piscium (mean).....	3.9	8.8	56 52.25	3.0983	0.0084	.....	+2 16 52.1	17.496	0.228	.....	1	7.93
408	α Piscium (brighter).....	4.3	9.2	56 52.285	3.0983	0.0084	+0.0028	+2 16 51.64	17.496	0.228	-0.006	10	5.19
409*	B. D. +12°271.....	6.3	6.3	57 12.018	3.2233	0.0139	-0.0009	+12 59 40.20	17.482	0.237	-0.006	4	4.80
410	B. D. +36°397.....	8.9*	8.9	1 57 13.980	+3.5680	+0.0333	.....	+37 8 55.00	+17.481	-0.262	.....	2	7.83
411	B. D. + 8°316.....	7.8*	7.8	1 57 17.702	+3.1713	+0.0116	.....	+8 35 58.90	+17.478	-0.234	.....	4	4.80
412*	B. D. +10°275.....	6.8	6.8	57 37.400	3.1944	0.0126	-0.0009	+10 32 13.50	17.464	0.236	-0.004	4	4.82
413	γ Andromedæ.....	2.3	7.2	57 45.510	3.6607	0.0394	+0.0042	+41 50 59.87	17.458	0.270	-0.052	10	6.76
414	B. D. +17°307.....	6.4	6.4	58 13.387	3.2836	0.0168	-0.0007	+17 46 22.22	17.438	0.243	-0.022	4	4.76
415	B. D. +38°402.....	8.1*	8.1	1 58 43.242	+3.6074	+0.0355	.....	+38 57 18.72	+17.417	-0.268	.....	6	8.00
416*	B. D. + 7°321.....	6.6	6.6	1 59 34.489	+3.1572	+0.0109	+0.0025	+7 15 23.00	+17.380	-0.237	-0.032	4	4.86
417	B. D. +39°464.....	7.9*	7.9	1 59 43.116	3.6178	+0.0359	.....	+39 16 52.52	17.373	0.263	.....	4	6.73
418	ν Fornacis.....	4.7	7.6	2 0 0.533	2.6900	-0.0034	+0.0009	-29 46 34.95	17.361	0.204	+0.002	11	5.75
419	B. D. +16°237.....	8.6*	8.6	0 14.841	3.2792	+0.0167	.....	+17 10 20.16	17.350	0.247	.....	5	4.54
420	B. D. +12°280.....	9.0*	9.0	2 0 18.974	+3.2222	+0.0138	.....	+12 36 43.20	+17.347	-0.242	.....	4	4.76
421	B. D. +19°324.....	7.7	7.7	2 0 43.639	+3.3185	+0.0184	.....	+20 6 53.95	+17.329	-0.250	.....	4	4.76
422	B. D. + 7°324.....	6.7	6.7	0 55.355	3.1642	0.0111	.....	+7 46 14.40	17.321	0.240	.....	4	4.79
423	B. D. +13°333.....	7.9*	7.9	1 16.631	3.2419	0.0146	.....	+14 6 24.63	17.305	0.246	.....	4	4.82
424	B. D. + 9°271.....	7.7	7.7	1 20.156	3.1914	0.0124	.....	+10 0 2.85	17.302	0.242	.....	4	4.80
425	α Arietis.....	2.2	7.1	2 1 32.130	+3.3591	+0.0204	+0.0137	+22 59 22.30	+17.294	-0.255	-0.146	61 55	6.22 6.03
426*	B. D. +17°315.....	6.5	6.5	2 2 16.435	+3.2873	+0.0167	-0.0037	+17 33 11.88	+17.261	-0.252	-0.007	4	4.86
427	B. D. +37°486.....	4.8	7.7	2 27.062	3.5924	0.0337	+0.0127	+37 23 5.60	17.253	0.275	-0.041	2	7.82
428	B. D. + 5°285.....	7.5	7.5	2 32.780	3.1380	0.0101	.....	+5 30 35.66	17.249	0.240	.....	5	4.57
429*	B. D. +15°305.....	7.5	7.5	2 36.974	3.2591	0.0154	+0.0044	+15 19 47.00	17.246	0.249	-0.053	4	4.77
430	B. D. +10°292.....	8.3	8.3	2 2 46.333	+3.2014	+0.0128	.....	+10 42 54.02	+17.239	-0.246	.....	4	4.76
431	B. D. + 8°330.....	7.8*	7.8	2 3 1.370	+3.1730	+0.0116	.....	+8 22 31.25	+17.227	-0.244	.....	4	4.79
432	β Trianguli.....	3.1	8.0	3 35.489	3.5443	0.0304	+0.0123	+34 30 51.86	17.202	0.273	-0.046	13 12	6.52 6.40
433	B. D. +36°420.....	7.8*	7.8	3 37.370	3.5829	0.0327	.....	+36 38 33.22	17.200	0.276	.....	4	8.01
434	B. D. + 6°331.....	8.6*	8.6	3 40.996	3.1510	0.0106	.....	+6 32 1.45	17.198	0.243	.....	4	4.80
435*	B. D. +16°247.....	6.4	6.4	2 3 53.377	+3.2794	+0.0163	+0.0112	+16 45 18.70	+17.188	-0.253	-0.179	4	4.82
436*	B. D. +19°329.....	8.3	8.3	2 4 9.683	+3.3215	+0.0183	+0.0026	+19 52 28.65	+17.176	-0.257	+0.030	4	4.36
437	B. D. +12°292.....	7.6	7.6	4 23.107	3.2279	0.0139	.....	+12 42 9.02	17.166	0.250	.....	5	4.57
438	B. D. +38°425.....	6.0	6.0	4 48.688	3.6244	0.0351	-0.0011	+38 34 3.55	17.147	0.281	-0.021	4	6.73
439	15 Arietis.....	5.9	8.8	5 4.898	3.3116	0.0177	+0.0062	+19 1 43.84	17.135	0.258	-0.028	15 14	5.46 5.56
440	B. D. +36°427.....	7.9*	7.9	2 5 25.266	+3.5941	+0.0331	.....	+36 52 61.18	+17.119	-0.280	.....	4	8.48

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
441*	B. D. +20°341.....	7.2	7.2	2 5 46.419	+3.3386	+0.0190	+0.0176	+20 54 22.93	+17.103	-0.261	+0.010	4	4.76
442	B. D. + 7°347.....	5.7	8.6	6 4.169	3.1718	0.0115	-0.0092	+ 8 6 5.85	17.090	0.249	-0.108	4	4.78
443	55 Cassiopeiae.....	6.2	6.2	6 37.694	4.6519	0.1230	-0.0002	+66 3 20.81	17.064	0.363	+0.003	11	5.71
444	55 Cassiopeiae s. p.....	6.2	6.2	6 37.775	4.6519	0.1230	-0.0002	+66 3 20.45	17.064	0.363	+0.003	10	6.39
445	6 Persei.....	5.4	8.3	2 6 57.183	+3.9282	+0.0555	+0.0365	+50 36 4.27	+17.049	-0.308	-0.168	11	5.28
446	B. D. + 9°280.....	8.5*	8.5	2 7 9.907	+3.1947	+0.0124	.....	+ 9 51 34.50	+17.039	-0.253	.....	4	4.82
447	B. D. +20°348.....	5.4	8.3	7 12.065	3.3390	0.0188	+0.0112	+20 44 29.08	17.038	0.264	+0.002	4	4.82
448	B. D. +13°351.....	7.4	7.4	7 17.607	3.2409	0.0144	.....	+13 26 56.60	17.033	0.257	.....	4	4.88
449	B. D. +14°357.....	6.0	6.0	7 35.946	3.2591	0.0152	+0.0067	+14 48 40.79	17.019	0.258	-0.022	6 7	5.66 5.38
450	ξ ¹ Ceti.....	4.5	7.4	2 7 41.877	+3.1764	+0.0116	-0.0017	+ 8 22 40.43	+17.015	-0.252	-0.007	56 51	6.41 6.28
451	B. D. +37°504.....	9.4*	9.4	2 7 50.464	+3.6174	+0.0339	.....	+37 36 39.40	+17.008	-0.287	.....	2	7.82
452*	B. D. +18°283.....	7.1	7.1	8 18.728	3.3188	+0.0178	+0.0012	+19 8 47.12	16.986	0.264	-0.004	4	4.76
453	μ Fornacis.....	5.2	8.1	8 30.308	2.6420	-0.0031	+0.0018	-31 11 33.28	16.977	0.211	+0.002	10	7.41
454	B. D. +11°300.....	7.6*	7.6	8 49.855	3.2214	+0.0134	.....	+11 48 59.65	16.962	0.258	.....	4	4.76
455	B. D. +38°442.....	8.1*	8.1	2 9 13.246	+3.6446	+0.0353	.....	+38 42 10.72	+16.944	-0.292	.....	4	8.48
456	B. D. +36°446.....	7.9*	7.9	2 9 52.780	+3.5995	+0.0325	.....	+36 18 19.95	+16.913	-0.289	.....	4	6.73
457	B. D. +15°322.....	8.1	8.1	10 28.145	3.2702	0.0155	.....	+15 21 18.90	16.885	0.264	.....	4	4.80
458	B. D. +10°306.....	8.2*	8.2	10 31.046	3.2110	0.0130	.....	+10 53 41.40	16.883	0.260	.....	4	4.82
459	B. D. + 6°342.....	8.6*	8.6	11 2.801	3.1548	0.0108	.....	+ 6 30 27.65	16.858	0.256	.....	4	4.84
460	γ Trianguli.....	4.1	7.0	2 11 22.044	+3.5500	+0.0292	+0.0034	+33 23 5.48	+16.843	-0.288	-0.051	10	7.26
461	B. D. +56°498.....	8.7*	8.7	2 11 22.490	+4.1694	+0.0724	.....	+56 32 50.09	+16.842	-0.337	.....	7	10.04
462	B. D. + 9°296.....	8.7*	8.7	11 32.396	3.1915	0.0122	.....	+ 9 19 21.38	16.834	0.260	.....	5	4.58
463	B. D. +16°266.....	8.6*	8.6	11 33.801	3.2923	0.0164	.....	+16 51 9.35	16.833	0.268	.....	4	4.76
464	67 Ceti.....	5.7	8.6	11 59.720	2.9845	0.0050	+0.0061	- 6 52 58.43	16.813	0.244	-0.108	54 47	6.09 5.88
465	B. D. +17°339.....	7.4	7.4	2 12 13.380	+3.3091	+0.0171	.....	+17 59 29.50	+16.802	-0.270	.....	4	4.76
466	θ Arietis.....	5.7	8.6	2 12 33.657	+3.3302	+0.0180	-0.0010	+19 26 19.76	+16.786	-0.273	-0.006	17	5.31
467	B. D. +56°543.....	8.0*	8.0	12 53.075	4.1937	0.0735	.....	+56 51 25.90	16.770	0.342	.....	7	10.04
468	B. D. +21°321.....	7.7	7.7	12 57.209	3.3599	0.0193	.....	+21 26 10.45	16.767	0.276	.....	4	4.80
469*	B. D. +12°317.....	7.1	7.1	13 26.556	3.2357	0.0139	+0.0143	+12 31 47.48	16.744	0.267	+0.025	4	4.57
470	B. D. +39°521.....	6.5	6.5	2 13 27.689	+3.6755	+0.0361	.....	+39 22 28.38	+16.743	-0.302	.....	10	8.19
471-	B. D. +19°342.....	6.8	6.8	2 13 35.030	+3.3290	+0.0179	-0.0005	+19 13 48.10	+16.737	-0.274	-0.116	4	4.63
472	o Ceti.....	var.	8.1	14 17.616	3.0280	0.0064	-0.0001	- 3 25 54.63	16.703	0.251	-0.237	11	7.27
473	B. D. +13°371.....	8.0*	8.0	14 47.231	3.2550	0.0146	.....	+13 50 19.74	16.679	0.270	.....	7	4.33
474	B. D. +19°346.....	9.1	9.1	14 57.963	3.3376	0.0184	.....	+19 39 55.10	16.670	0.277	.....	4	4.80
475	B. D. + 9°306.....	8.4*	8.4	2 15 32.298	+3.1977	+0.0123	.....	+ 9 32 54.08	+16.642	-0.267	.....	4	4.76
476	B. D. +37°536.....	8.0	8.0	2 15 38.926	+3.6560	+0.0345	.....	+38 3 1.82	+16.637	-0.304	.....	4	6.73
477	B. D. + 8°364.....	7.8*	7.8	16 3.190	3.1830	0.0118	.....	+ 8 25 20.80	16.617	0.267	.....	4	4.76
478	B. D. + 7°371.....	7.4	7.4	16 14.380	3.1682	0.0112	.....	+ 7 17 40.48	16.608	0.266	.....	4	4.58
479	B. D. +15°329.....	8.0*	8.0	16 20.863	3.2830	0.0157	.....	+15 42 19.40	16.603	0.276	.....	4	4.82
480	B. D. +16°281.....	6.8	6.8	2 17 2.684	+3.2940	+0.0162	.....	+16 24 50.95	+16.568	-0.277	.....	4	4.84
481	B. D. +17°353.....	8.6*	8.6	2 17 7.369	+3.3162	+0.0171	.....	+17 57 8.12	+16.566	-0.279	.....	5	4.40
482	B. D. +10°318.....	7.9	7.9	17 52.351	3.2109	+0.0128	.....	+10 22 52.45	16.527	0.272	.....	4	4.76
483	κ Fornacis.....	5.4	8.3	17 58.089	2.7311	-0.0006	+0.0147	-24 16 14.09	16.523	0.232	-0.061	10	5.26
484	B. D. +38°472.....	7.7	7.7	18 0.702	3.6830	+0.0355	.....	+38 53 30.56	16.521	0.311	.....	12	8.17
485	B. D. +20°388.....	9.1	9.1	2 18 10.300	+3.3626	+0.0190	.....	+20 47 34.82	+16.513	-0.285	.....	4	4.76
486*	B. D. + 9°313.....	7.3	7.3	2 18 49.064	+3.2040	+0.0125	+0.0016	+ 9 49 8.55	+16.480	-0.273	+0.018	4	4.76
487	B. D. +14°392.....	7.8	7.8	18 58.722	3.2775	0.0154	.....	+15 4 18.28	16.472	0.279	.....	4	4.58
488	ξ Arietis.....	5.5	8.4	19 27.316	3.2092	0.0127	+0.0008	+10 9 28.73	16.449	0.274	-0.015	18	5.20
489	B. D. +19°355.....	8.0*	8.0	20 10.506	3.3491	0.0182	.....	+19 49 48.02	16.413	0.287	.....	4	4.86
490*	B. D. +11°335.....	7.5	7.5	2 20 11.112	+3.2289	+0.0134	-0.0056	+11 31 36.92	+16.412	-0.278	-0.279	5	4.40
491	B. D. +18°305.....	8.0*	8.0	2 20 39.790	+3.3292	+0.0174	.....	+18 27 18.08	+16.388	-0.287	.....	4	4.76
492	ζ Cassiopeiae.....	4.6	7.5	20 49.171	4.8833	0.1322	-0.0006	+66 57 11.09	16.380	0.417	+0.014	13 12	6.40 6.43
493	ζ Cassiopeiae s. p.....	4.6	7.5	20 49.200	4.8833	0.1322	-0.0006	+66 57 10.64	16.380	0.417	+0.014	10	7.06
494	B. D. +12°332.....	7.8*	7.8	21 1.880	3.2426	0.0139	.....	+12 26 54.12	16.370	0.280	.....	4	4.76
495	ρ Ceti.....	4.9	7.8	2 21 7.100	+2.8978	+0.0032	-0.0017	-12 44 28.42	+16.365	-0.251	-0.009	10	5.28
496	B. D. +36°491.....	7.8*	7.8	2 21 8.759	+3.6440	+0.0325	.....	+36 31 1.98	+16.364	-0.314	.....	4	6.73
497	B. D. +22°347.....	8.1	8.1	21 18.577	3.3913	0.0200	.....	+22 25 43.58	16.355	0.293	.....	4	4.76
498	B. D. + 9°321.....	6.8	6.8	21 23.707	3.2103	0.0127	+0.0029	+10 6 55.08	16.351	0.277	-0.025	4	4.58
499	B. D. +16°293.....	7.3	7.3	22 1.318	3.2978	0.0160	.....	+16 11 43.10	16.319	0.286	.....	4	4.83
500	B. D. + 9°323.....	6.5	6.5	2 22 4.060	+3.2058	+0.0126	-0.0197	+ 9 45 15.85	+16.317	-0.278	-0.202	4	4.88
501	ξ ² Ceti.....	4.3	7.2	2 22 50.458	+3.1821	+0.0116	+0.0026	+ 8 0 43.57	+16.278	-0.278	-0.004	72 60	6.79 6.54
502	B. D. +13°395.....	8.5*	8.5	23 6.884	3.2589	0.0144	.....	+13 25 48.25	16.264	0.285	.....	4	4.80
503	B. D. +37°560.....	7.3	7.3	23 7.839	3.6780	0.0340	.....	+37 46 41.45	16.263	0.321	.....	2	8.02
504	B. D. +14°408.....	8.8	8.8	23 25.334	3.2844	0.0154	.....	+15 9 13.08	16.247	0.287	.....	4	4.76
505	B. D. +20°404.....	7.9	7.9	2 23 38.247	+3.3756	+0.0191	.....	+21 8 52.52	+16.237	-0.296	.....	4	4.81

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				<i>h m s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>° ' "</i>	<i>"</i>	<i>"</i>	<i>"</i>		1900+
506*	B. D. + 8°385.....	6.3	6.3	2 24 14.836	+3.1986	+0.0122	-0.0003	+ 9 7 9.70	+16.206	-0.281	-0.003	4	4.58
507	B. D. +19°365.....	6.1	6.1	25 1.830	3.3509	0.0180	+0.0050	+19 24 40.88	16.165	0.296	-0.033	4	4.83
508	B. D. +10°330.....	8.5*	8.5	25 5.814	3.2206	0.0130	.....	+10 37 3.42	16.162	0.285	.....	4	4.86
509	27 Arietis.....	6.4	6.4	25 21.466	3.3184	0.0167	+0.0025	+17 15 41.99	16.148	0.294	-0.097	18	5.17
510	B. D. +21°349.....	7.7	7.7	2 26 42.409	+3.3931	+0.0196	.....	+21 53 30.18	+16.077	-0.302	.....	4	4.80
511	B. D. +12°346.....	7.6*	7.6	2 26 46.178	+3.2456	+0.0138	.....	+12 14 40.52	+16.076	-0.290	.....	4	4.76
512	B. D. +36°512.....	7.4	7.4	26 46.608	3.6718	0.0328	.....	+36 53 34.83	16.074	0.327	.....	14	7.77
513	σ Ceti.....	4.8	7.7	27 20.827	2.8474	0.0025	-0.0055	-15 41 0.87	16.044	0.256	-0.117	11	5.90
514	B. D. +14°419.....	6.1	6.1	27 25.420	3.2810	0.0151	-0.0011	+14 35 31.45	16.040	0.294	+0.033	4	4.82
515	B. D. +38°506.....	6.7	6.7	2 27 55.706	+3.7072	+0.0345	.....	+38 17 42.85	+16.014	-0.332	.....	2	8.02
516*	B. D. +18°325.....	6.8	6.8	2 28 1.010	+3.3405	+0.0174	+0.0058	+18 26 20.92	+16.009	-0.300	+0.020	4	4.58
517	36 H. Cassiopeiae.....	5.3	8.2	28 30.861	5.6125	0.2061	-0.0050	+72 22 51.93	15.983	0.500	+0.020	10	6.84
518	36 H. Cassiopeiae s. p.	5.3	8.2	28 30.903	5.6125	0.2061	-0.0050	+72 22 51.56	15.983	0.500	+0.020	9 10	7.41 7.22
519	B. D. +22°368.....	8.3	8.3	28 57.470	3.4078	0.0200	.....	+22 31 46.12	15.960	0.307	.....	4	4.83
520	B. D. +10°340.....	7.0	7.0	2 29 1.835	+3.2320	+0.0132	.....	+11 9 59.70	+15.956	-0.292	.....	4	4.86
521	B. D. + 6°392.....	6.2	6.2	2 29 46.313	+3.1726	+0.0112	-0.0016	+ 7 2 10.10	+15.916	-0.288	-0.104	5	4.40
522	B. D. +15°354.....	8.1*	8.1	30 9.012	3.3085	0.0160	.....	+16 10 29.30	15.896	0.301	.....	4	4.80
523	B. D. +13°411.....	7.4	7.4	30 33.827	3.2656	0.0144	.....	+13 19 7.15	15.874	0.298	.....	4	4.76
524	128 H ¹ . Ceti.....	5.9	8.8	30 36.451	3.1641	0.0110	+0.1208	+ 6 24 43.74	15.872	0.289	+1.463	14	5.66
525	ν Ceti.....	5.0	7.9	2 30 37.481	+3.1460	+0.0104	-0.0021	+ 5 9 25.56	+15.871	-0.287	-0.029	45 41	6.14 5.98
526	B. D. +22°372.....	8.1	8.1	2 30 59.605	+3.4132	+0.0200	.....	+22 37 0.22	+15.851	-0.311	.....	4	4.58
527	B. D. +39°582.....	6.4	6.4	31 4.320	3.7462	0.0358	.....	+39 27 39.85	15.847	0.341	.....	6	8.00
528	B. D. +20°433.....	8.4	8.4	31 4.941	3.3746	0.0184	.....	+20 15 55.55	15.846	0.308	.....	4	4.83
529	B. D. +11°360.....	5.7	8.6	31 10.686	3.2466	0.0137	+0.0194	+12 0 51.10	15.841	0.297	-0.085	4	4.86
530	B. D. +24°376.....	6.6	6.6	2 31 14.376	+3.4408	+0.0211	+0.0102	+24 12 43.82	+15.838	-0.314	-0.010	5	4.40
531*	B. D. + 7°402.....	6.0	6.0	2 31 17.111	+3.1772	+0.0113	-0.0023	+ 7 17 41.10	+15.836	-0.290	-0.036	4	4.80
532	B. D. +22°375.....	8.3	8.3	32 6.337	3.4167	0.0200	.....	+22 41 43.15	15.792	0.314	.....	4	4.76
533	B. D. +38°527.....	7.9*	7.9	32 36.431	3.7342	0.0348	.....	+38 43 2.38	15.764	0.342	.....	6	7.48
534	ν Arietis.....	5.4	8.3	33 8.144	3.3990	0.0193	-0.0006	+21 31 45.13	15.736	0.314	-0.023	44 41	7.33 7.26
535	142 H ¹ . Cephei.....	5.9	8.8	2 33 20.928	+8.3212	+0.6608	+0.0089	+81 1 29.23	+15.724	-0.760	-0.069	10	5.21
536	142 H ¹ . Cephei s. p.	5.9	8.8	2 33 21.055	+8.3212	+0.6608	+0.0089	+81 1 28.91	+15.724	-0.760	-0.069	10	7.89
537	B. D. +14°439.....	7.3	7.3	33 30.264	3.2858	0.0150	.....	+14 25 42.58	15.716	0.304	.....	4	4.58
538	B. D. + 8°407.....	7.9*	7.9	33 39.217	3.1963	0.0119	.....	+ 8 29 17.58	15.708	0.296	.....	4	4.82
539*	B. D. +10°352.....	6.8	6.8	33 40.217	3.2219	0.0128	+0.0009	+10 12 24.15	15.707	0.299	-0.082	4	4.87
540	δ Ceti.....	4.0	8.9	2 34 21.344	+3.0708	+0.0082	+0.0007	- 0 6 9.31	+15.669	-0.286	+0.001	43 41	7.86 7.78
541	B. D. +17°414.....	7.8*	7.8	2 34 57.576	+3.3468	+0.0171	.....	+18 10 9.36	+15.636	-0.312	.....	5	4.40
542	B. D. +12°370.....	7.7*	7.7	34 59.613	3.2670	0.0142	.....	+13 5 51.70	15.635	0.305	.....	4	4.80
543	B. D. +15°367.....	8.5	8.5	35 9.124	3.3007	0.0154	.....	+15 15 26.28	15.626	0.308	.....	4	4.76
544	B. D. +38°539.....	8.9*	8.9	35 22.020	3.7538	0.0352	.....	+39 6 33.66	15.614	0.350	.....	5	8.00
545	118 H ¹ . Cassiopeiae.....	5.8	8.7	2 36 12.987	+5.0952	+0.1364	+0.0037	+67 23 59.25	+15.567	-0.474	-0.028	10	6.05
546	118 H ¹ . Cassiopeiae s. p.	5.8	8.7	2 36 12.962	+5.0952	+0.1364	+0.0037	+67 23 59.39	+15.567	-0.474	-0.028	10 8	6.40 6.55
547*	B. D. + 9°353.....	6.7	6.7	36 37.291	3.2229	0.0127	-0.0007	+10 7 5.00	15.545	0.303	-0.020	4	4.60
548	μ Arietis.....	5.7	8.6	36 43.549	3.3728	0.0179	+0.0022	+19 35 8.02	15.539	0.318	-0.047	14	5.48
549	B. D. +16°330.....	8.4*	8.4	36 47.205	3.3230	0.0161	.....	+16 31 55.88	15.536	0.313	.....	4	4.80
550	B. D. +10°360.....	6.3	6.3	2 37 5.768	+3.2263	+0.0128	-0.0023	+10 18 56.00	+15.519	-0.304	-0.021	4	4.87
551	B. D. +36°543.....	8.1*	8.1	2 37 7.645	+3.6988	+0.0321	.....	+36 30 48.82	+15.517	-0.348	.....	6	8.32
552	θ Persei.....	4.2	7.1	37 22.166	4.0403	0.0509	+0.0343	+48 48 20.00	15.504	0.380	-0.090	10	5.76
553	35 Arietis.....	4.6	7.5	37 34.869	3.5098	0.0233	+0.0003	+27 16 54.32	15.492	0.332	-0.013	10	5.24
554	γ Ceti.....	3.6	8.5	38 7.007	3.1142	0.0094	-0.0098	+ 2 48 51.42	15.462	0.296	-0.150	43 40	8.76 8.78
555	B. D. +17°426.....	6.5	6.5	2 38 44.135	+3.3388	+0.0165	+0.0036	+17 20 27.34	+15.428	-0.317	-0.045	5	4.40
556	B. D. +14°457.....	5.8	8.7	2 39 2.195	+3.2996	+0.0151	+0.0001	+14 53 19.15	+15.411	-0.314	-0.034	4	4.80
557	π Ceti.....	4.4	7.3	39 21.778	2.8544	0.0033	-0.0005	-14 16 55.16	15.392	0.274	-0.014	13 14	7.62 7.51
558	B. D. +11°377.....	5.2	8.1	39 30.592	3.2549	0.0136	+0.0080	+12 1 30.52	15.384	0.310	-0.082	4	4.76
559	μ Ceti.....	4.4	7.3	39 32.256	3.2187	0.0125	+0.0190	+ 9 41 31.53	15.383	0.308	-0.027	45 43	8.46 8.41
560	B. D. +13°442.....	7.8*	7.8	2 39 33.470	+3.2831	+0.0146	.....	+13 48 56.35	+15.382	-0.314	.....	4	4.80
561	B. D. +39°628.....	7.5	7.5	2 39 37.745	+3.7966	+0.0364	.....	+40 11 27.26	+15.378	-0.362	.....	5	8.00
562	B. D. +16°342.....	7.8*	7.8	40 9.272	3.3286	0.0161	.....	+16 35 56.18	15.348	0.319	.....	4	4.62
563	B. D. +18°344.....	8.4*	8.4	40 43.468	3.3595	0.0172	.....	+18 25 2.28	15.316	0.322	.....	4	4.65
564	B. D. +37°634.....	7.1	7.1	41 12.744	3.7326	0.0329	.....	+37 22 19.25	15.288	0.358	.....	4	7.48
565*	B. D. +22°392.....	7.3	7.3	2 41 31.430	+3.4317	+0.0197	-0.0032	+22 32 29.96	+15.271	-0.330	.....	5	4.40
566	B. D. +20°462.....	8.3*	8.3	2 41 46.470	+3.4039	+0.0187	.....	+20 55 34.98	+15.256	-0.328	.....	4	4.80
567*	B. D. +18°347 (fol).....	7.3	7.3	41 48.716	3.3702	0.0175	+0.0077	+18 57 24.88	15.254	0.326	-0.143	4	4.76
568.	39 Arietis.....	4.6	7.5	41 57.166	3.5501	0.0245	+0.0115	+28 49 54.45	15.246	0.342	-0.125	10	4.56
569	B. D. + 8°424.....	7.7	7.7	42 1.536	3.2081	0.0121	.....	+ 8 53 25.40	15.243	0.310	.....	4	4.60
570	B. D. +19°424.....	8.4*	8.4	2 42 40.803	+3.3824	+0.0178	.....	+19 35 33.45	+15.206	-0.328	.....	4	4.62

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
571	B. D. +39°642.....	8.0	8.0	2 42 54.138	+3.8056	+0.0361	.....	+40 3 46.80	+15.192	-0.369	.....	2	8.02
572	B. D. +17°442.....	6.0	6.0	42 55.533	3.3535	0.0168	+0.0026	+17 52 2.35	15.191	0.325	-0.035	4	4.80
573	η Persei.....	3.9	8.8	43 23.841	4.3433	0.0678	+0.0029	+55 28 50.32	15.164	0.420	-0.016	11	5.07
574	B. D. +16°355.....	5.3	8.2	43 42.584	3.3408	0.0163	+0.0005	+17 2 54.62	15.146	0.326	-0.021	4	4.65
575	41 Arietis.....	3.7	8.6	2 44 5.747	+3.5164	+0.0228	+0.0050	+26 50 53.84	+15.124	-0.343	-0.113	41 35	7.14 6.98
576	B. D. +12°392.....	7.6*	7.6	2 44 26.465	+3.2630	+0.0137	.....	+12 14 29.74	+15.104	-0.319	.....	5	4.40
577	B. D. +13°456.....	8.0*	8.0	44 43.790	3.2803	+0.0142	.....	+13 17 46.62	15.088	0.321	.....	4	4.80
578	B. D. +21°380.....	8.5*	8.5	44 50.630	3.4228	+0.0191	.....	+21 42 1.40	15.081	0.335	.....	4	4.76
579	B. D. +11°398.....	8.5*	8.5	44 52.960	3.2467	+0.0132	.....	+11 12 3.72	15.079	0.318	.....	4	4.60
580	β Fornacis.....	4.5	7.4	2 44 54.377	+2.5042	-0.0006	+0.0079	-32 49 30.84	+15.078	-0.247	+0.160	10	6.87
581	B. D. +18°359.....	6.6	6.6	2 45 3.294	+3.3715	+0.0173	.....	+18 44 54.48	+15.069	-0.331	.....	4	4.62
582	B. D. +39°650.....	8.2	8.2	45 24.943	3.8061	0.0355	.....	+39 43 28.03	15.048	0.374	.....	3	8.01
583	B. D. +36°582.....	7.1	7.1	45 56.418	3.7318	0.0320	.....	+36 40 56.87	15.018	0.367	.....	8 7	7.60 7.72
584	σ Arietis.....	5.5	8.4	45 58.188	3.3041	0.0150	+0.0021	+14 40 12.83	15.016	0.326	-0.033	44 43	6.58 6.53
585	τ Eridani.....	4.8	7.7	2 46 30.130	+2.7242	+0.0017	-0.0037	-21 24 57.68	+14.985	-0.270	-0.012	18	8.33
586	τ Persei.....	4.1	9.0	2 47 9.827	+4.2269	+0.0584	+0.0005	+52 21 12.22	+14.946	-0.417	-0.006	11	6.74
587*	B. D. +15°400.....	6.4	6.4	47 37.499	3.3296	0.0156	+0.0012	+16 4 31.18	14.920	0.331	-0.053	4	4.66
588	B. D. +37°659.....	7.9*	7.9	48 19.703	3.7555	0.0325	.....	+37 20 3.65	14.878	0.374	.....	2	8.02
589*	B. D. + 8°443.....	6.8	6.8	48 23.894	3.2131	0.0120	+0.0022	+ 8 55 40.14	14.874	0.321	-0.062	5	4.42
590	B. D. +19°432.....	7.0	7.0	2 48 36.498	+3.4016	+0.0181	.....	+20 9 28.80	+14.862	-0.339	.....	4	4.59
591	B. D. +10°388.....	8.0*	8.0	2 48 55.528	+3.2454	+0.0130	.....	+10 54 7.58	+14.843	-0.324	.....	4	4.76
592	B. D. + 9°370.....	8.6*	8.6	49 2.326	3.2206	0.0123	.....	+ 9 21 55.40	14.837	0.322	.....	4	4.60
593	B. D. +12°406.....	7.8*	7.8	49 9.768	3.2723	0.0138	.....	+12 31 56.62	14.829	0.327	.....	4	4.62
594	B. D. +17°454.....	6.9	6.9	49 18.791	3.3531	0.0164	+0.0032	+17 19 42.10	14.821	0.335	-0.026	4	4.81
595	B. D. +37°662.....	8.3*	8.3	2 49 42.745	+3.7814	+0.0334	.....	+38 10 49.60	+14.797	-0.379	.....	4	8.48
596	B. D. +22°406.....	9.1*	9.1	2 49 54.207	+3.4406	+0.0193	.....	+22 11 54.50	+14.786	-0.345	.....	4	4.65
597	B. D. +14°492.....	7.7	7.7	50 9.293	3.3027	0.0147	.....	+14 18 6.18	14.771	0.332	.....	5	4.42
598	B. D. +17°457.....	5.9	8.8	50 11.189	3.3647	0.0167	-0.0006	+17 55 35.80	14.769	0.338	-0.016	4	4.59
599	B. D. +17°458.....	5.6	8.5	50 47.412	3.3603	0.0165	+0.0189	+17 37 27.48	14.733	0.338	-0.207	4	4.76
600	η Eridani.....	4.0	6.9	2 51 32.525	+2.9235	+0.0052	+0.0054	- 9 17 46.55	+14.689	-0.296	-0.215	57 49	6.46 6.17
601	B. D. +15°414.....	6.9	6.9	2 51 54.171	+3.3317	+0.0155	.....	+15 53 32.12	+14.667	-0.337	.....	4	4.60
602	B. D. +20°480.....	5.8	8.7	52 21.722	3.4095	0.0180	+0.0156	+20 16 3.98	14.640	0.346	-0.031	4	4.62
603	47 H. Cephei.....	5.7	8.6	52 46.553	7.7888	0.4631	-0.0130	+79 1 25.42	14.615	0.783	+0.011	9	6.80
604	47 H. Cephei s. p.....	5.7	8.6	52 46.630	7.7888	0.4631	-0.0130	+79 1 25.08	14.615	0.783	+0.011	10	6.46
605	B. D. +23°392.....	7.6	7.6	2 52 47.405	+3.4746	+0.0203	.....	+23 43 58.62	+14.614	-0.353	.....	4	4.81
606	B. D. +21°397.....	6.7	6.7	2 53 9.028	+3.4281	+0.0186	+0.0041	+21 13 4.00	+14.592	-0.348	-0.015	4	4.65
607	B. D. +13°484.....	7.4	7.4	53 15.897	3.2875	0.0141	.....	+13 12 22.60	14.586	0.335	.....	4	4.70
608	B. D. +19°440.....	8.0*	8.0	53 29.208	3.3987	0.0176	.....	+19 35 25.95	14.572	0.346	.....	4	4.59
609	ε Arietis (mean).....	4.6	7.5	53 29.486	3.4236	0.0184	-0.0011	+20 56 26.17	14.572	0.349	-0.008	44 41	8.42 8.36
610	B. D. +37°675.....	5.9	5.9	2 53 51.708	+3.7838	+0.0323	.....	+37 44 1.27	+14.550	-0.386	.....	6	8.32
611	λ Ceti.....	4.7	7.6	2 54 21.234	+3.2102	+0.0118	+0.0006	+ 8 30 32.64	+14.520	-0.329	-0.006	14	5.69
612	B. D. +39°687.....	7.8	7.8	54 29.200	3.8466	0.0354	.....	+40 1 13.72	14.512	0.393	.....	3 4	6.75 6.73
613	B. D. +22°416.....	7.4	7.4	54 49.997	3.4536	0.0193	.....	+22 25 52.50	14.491	0.354	.....	4	4.62
614*	B. D. +17°471.....	6.9	6.9	54 54.066	3.3655	0.0164	-0.0001	+17 36 29.12	14.487	0.345	-0.012	4	4.81
615	B. D. +10°401.....	6.2	6.2	2 55 18.617	+3.2434	+0.0127	.....	+10 28 27.30	+14.462	-0.334	.....	4	4.65
616*	B. D. +14°502.....	7.3	7.3	2 55 21.756	+3.3141	+0.0148	-0.0059	+14 38 10.52	+14.459	-0.341	-0.071	4	4.70
617	B. D. +18°391.....	8.0*	8.0	55 30.830	3.3914	0.0172	.....	+19 0 25.55	14.450	0.349	.....	4	4.59
618	α Ceti.....	2.8	7.7	57 3.060	3.1326	0.0097	-0.0009	+ 3 41 51.25	14.356	0.325	-0.077	47 42	6.66 6.50
619	B. D. +16°380.....	9.0*	9.0	57 16.624	3.3609	0.0161	.....	+17 10 20.80	14.343	0.348	.....	4	4.76
620	γ Persei.....	3.1	8.0	2 57 32.964	+4.3181	+0.0593	+0.0004	+53 6 53.90	+14.326	-0.447	-0.009	11	6.67
621	B. D. +22°425.....	7.1	7.1	2 57 40.553	+3.4630	+0.0194	.....	+22 40 8.32	+14.318	-0.359	.....	4	4.60
622	τ Eridani.....	4.2	7.1	57 58.910	2.6550	0.0016	-0.0104	-24 0 59.06	14.300	0.277	-0.047	12	6.83
623	B. D. +13°494.....	8.0*	8.0	58 1.988	3.3073	0.0144	.....	+14 4 45.78	14.296	0.344	.....	4	4.62
624	ρ Persei.....	var.	8.7	58 45.999	3.8187	0.0331	+0.0115	+38 27 10.05	14.251	0.398	-0.108	10	5.96
625*	B. D. +15°430.....	6.6	6.6	2 59 6.659	+3.3328	+0.0152	-0.0021	+15 28 5.10	+14.230	-0.348	-0.141	4	4.61
626	B. D. +36°628.....	7.0	7.0	2 59 17.052	+3.7672	+0.0308	.....	+36 24 35.60	+14.219	-0.393	.....	4	6.73
627	B. D. +24°431.....	5.4	8.3	59 34.630	3.5095	0.0208	+0.0003	+24 51 58.20	14.201	0.367	-0.014	4	4.65
628	B. D. +20°501.....	7.8	7.8	2 59 46.555	3.4256	0.0179	.....	+20 30 50.42	14.189	0.359	.....	4	4.70
629	B. D. +11°434.....	7.3	7.3	3 0 50.168	3.2615	0.0130	.....	+11 16 40.92	14.123	0.344	.....	4	4.59
630	B. D. +12°436.....	5.8	8.7	3 0 54.152	+3.2879	+0.0138	+0.0001	+12 48 5.72	+14.119	-0.347	-0.070	4	4.76
631	β Persei.....	var.	7.5	3 1 39.551	+3.8873	+0.0355	+0.0006	+40 34 14.09	+14.072	-0.410	-0.005	10 8	6.12 5.80
632	B. D. +17°493.....	6.1	6.1	1 47.765	3.3725	0.0161	-0.0024	+17 29 39.35	14.063	0.356	+0.003	4	4.60
633	ε Persei.....	4.2	7.1	1 51.377	4.1772	0.0496	+0.1292	+49 13 53.05	14.060	0.439	-0.080	11	4.85
634	B. D. +23°407.....	7.9*	7.9	2 2.674	3.4830	0.0196	.....	+23 18 15.18	14.048	0.368	.....	4	4.62
635	B. D. +18°414.....	6.5	6.5	3 2 40.940	+3.3906	+0.0166	+0.0027	+18 24 40.82	+14.008	-0.360	-0.018	4	4.60

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Number of Observations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
636	B. D. +36°640.....	7.1	7.1	3 31 7.720	+3.7920	+0.0310	.....	+36 55 11.65	+13.980	-0.402	.....	2	8.02
637	B. D. +14°518.....	8.1	8.1	3 10.225	3.3283	0.0147	.....	+14 57 23.92	13.978	0.354	.....	4	4.65
638*	B. D. +20°514.....	6.7	6.7	3 35.965	3.4289	0.0177	+0.0036	+20 22 44.65	13.951	0.364	+0.001	4	4.70
639	B. D. +21°416.....	7.8*	7.8	4 53.840	3.4528	0.0184	.....	+21 30 52.88	13.869	0.369	.....	4	4.59
640	B. D. +37°719.....	7.5	7.5	3 5 0.223	+3.8182	+0.0319	.....	+37 41 24.77	+13.862	-0.409	.....	3	6.71
641	B. D. +13°519.....	8.9*	8.9	3 5 14.050	+3.3126	+0.0142	.....	+13 57 51.98	+13.848	-0.355	.....	4	4.76
642*	B. D. +12°452.....	6.4	6.4	5 52.299	3.2901	0.0136	0.0000	+12 40 8.10	13.807	0.354	+0.021	4	4.60
643	δ Arietis.....	4.5	7.4	5 54.612	3.4126	0.0170	+0.0107	+19 20 55.30	13.805	0.367	-0.006	44 40	7.45 7.31
644	B. D. +15°447.....	7.3	7.3	6 48.758	3.3538	0.0152	.....	+16 8 25.10	13.748	0.362	.....	4	4.66
645	48 H. Cephei.....	5.5	8.4	3 7 37.371	+7.4267	+0.3554	+0.0203	+77 22 2.49	+13.696	-0.796	-0.049	10	6.83
646	48 H. Cephei s. p.	5.5	8.4	3 7 37.433	+7.4267	+0.3554	+0.0203	+77 22 2.24	+13.696	-0.796	-0.049	10	7.83
647	94 Ceti.....	5.1	8.0	7 40.226	3.0456	0.0078	+0.0135	- 1 34 11.91	13.693	0.330	-0.055	10 9	5.24 5.29
648	12 Eridani.....	4.0	8.9	7 49.594	2.5224	0.0012	+0.0250	-29 22 46.40	13.683	0.275	+0.648	14	8.28
649	B. D. +23°423.....	8.2*	8.2	8 9.836	3.5055	0.0197	.....	+23 53 23.35	13.661	0.380	.....	4	4.62
650	B. D. +18°432.....	6.7	6.7	3 8 13.688	+3.4016	+0.0165	.....	+18 35 56.15	+13.657	-0.369	.....	4	4.68
651*	B. D. +22°457.....	6.9	6.9	3 8 27.811	+3.4796	+0.0189	+0.0082	+22 34 49.42	+13.642	-0.377	-0.037	4	4.69
652	B. D. +15°450.....	7.3	7.3	8 33.596	3.3388	0.0147	.....	+15 13 1.62	13.636	0.363	.....	4	4.76
653	B. D. +17°517.....	8.9*	8.9	9 6.736	3.3849	0.0160	.....	+17 39 22.00	13.601	0.368	.....	4	4.60
654	ζ Arietis.....	5.0	7.9	9 9.062	3.4429	0.0177	-0.0017	+20 40 26.35	13.598	0.375	-0.075	44 42	7.80 7.72
655	B. D. +38°682.....	7.9*	7.9	3 10 5.926	+3.8499	+0.0321	.....	+38 15 55.82	+13.537	-0.418	.....	4	6.73
656	B. D. +11°456.....	7.9*	7.9	3 10 34.344	+3.2689	+0.0128	.....	+11 15 30.32	+13.507	-0.358	.....	4	4.66
657	ζ Eridani.....	4.9	7.8	10 58.496	2.9123	0.0055	-0.0003	- 9 11 27.03	13.480	0.320	+0.045	14 13	6.55 6.68
658	1 H. Camelopardalis.....	4.8	7.7	11 11.131	5.2234	0.1121	+0.0018	+65 17 12.08	13.467	0.570	-0.005	11 10	7.96
659	1 H. Camelopardalis s.p.	4.8	7.7	11 11.166	5.2234	0.1121	+0.0018	+65 17 11.76	13.467	0.570	-0.005	10	8.03
660	B. D. +21°432.....	9.1*	9.1	3 11 37.077	+3.4713	+0.0183	.....	+21 54 55.98	+13.439	-0.381	.....	4	4.65
661	B. D. +24°464.....	7.6	7.6	3 12 10.505	+3.5255	+0.0199	.....	+24 30 44.20	+13.403	-0.388	.....	4	4.66
662*	B. D. +13°535.....	7.4	7.4	12 20.670	3.3107	0.0137	+0.0033	+13 28 50.08	13.391	0.364	-0.042	4	4.69
663*	B. D. +14°550.....	7.7	7.7	12 52.716	3.3360	0.0143	+0.0017	+14 49 9.50	13.357	0.369	-0.279	4	4.56
664	B. D. +11°459.....	8.3*	8.3	13 44.223	3.2865	0.0130	.....	+12 5 17.10	13.301	0.364	.....	4	4.60
665	B. D. +18°459.....	7.3	7.3	3 14 5.724	+3.4116	+0.0163	.....	+18 42 46.98	+13.277	-0.378	.....	4	4.62
666	κ Ceti.....	5.0	7.9	3 14 6.992	+3.1249	+0.0094	+0.0177	+ 3 0 14.05	+13.276	-0.347	+0.094	10	6.08
667	B. D. +19°507.....	8.3*	8.3	14 7.637	3.4351	0.0170	.....	+19 54 50.30	13.275	0.381	.....	4	4.66
668	B. D. +16°423.....	7.8*	7.8	14 20.065	3.3814	0.0155	.....	+17 8 11.98	13.262	0.375	.....	4	4.62
669	B. D. +23°442.....	7.4	7.4	14 29.575	3.5048	0.0190	.....	+23 19 41.65	13.251	0.389	.....	4	4.69
670	B. D. +25°536.....	6.4	6.4	3 14 29.747	+3.5464	+0.0203	+0.0015	+25 18 9.32	+13.251	-0.394	-0.093	4	4.69
671	B. D. +38°701.....	8.1*	8.1	3 14 48.448	+3.8669	+0.0317	.....	+38 21 23.85	+13.231	-0.429	.....	2	8.06
672	τ ¹ Arietis.....	5.2	8.1	15 27.101	3.4544	0.0174	+0.0021	+20 47 12.46	13.188	0.385	-0.030	56 53	5.95 5.93
673	B. D. +20°551.....	5.2	8.1	16 59.795	3.4486	0.0171	-0.0033	+20 23 4.32	13.086	0.387	-0.017	4	4.60
674	α Persei.....	1.9	6.8	17 10.839	4.2588	0.0482	+0.0028	+49 30 19.51	13.074	0.476	-0.028	11 10	7.87 7.86
675	B. D. +16°433.....	8.5*	8.5	3 17 41.412	+3.3675	+0.0149	.....	+16 12 35.28	+13.040	-0.378	.....	4	4.62
676	B. D. +19°523.....	7.2	7.2	3 18 16.642	+3.4336	+0.0166	.....	+19 33 4.12	+13.001	-0.387	.....	4	4.66
677	B. D. +24°481.....	5.7	8.6	18 24.003	3.5334	0.0194	+0.0010	+24 22 12.02	12.993	0.398	-0.057	4	4.62
678	B. D. +12°473.....	6.2	6.2	18 39.907	3.2940	0.0130	.....	+12 16 29.95	12.975	0.372	.....	4	4.69
679	B. D. +20°556.....	5.9	8.8	18 39.957	3.4522	0.0171	+0.0003	+20 26 55.70	12.975	0.389	-0.010	4	4.69
680*	B. D. +21°447.....	6.9	6.9	3 18 45.639	+3.4776	+0.0178	+0.0045	+21 41 10.18	+12.968	-0.392	-0.027	4	4.56
681	B. D. +14°559.....	8.3*	8.3	3 19 10.020	+3.3386	+0.0141	.....	+14 37 11.25	+12.942	-0.377	.....	4	4.61
682	B. D. +37°768.....	8.1*	8.1	19 24.063	3.8673	0.0307	.....	+37 53 28.90	12.926	0.437	.....	2	8.06
683	ο Tauri.....	3.8	8.7	19 25.788	3.2283	0.0114	-0.0045	+ 8 40 37.34	12.924	0.366	-0.078	44 41	8.06 7.98
684	B. D. +17°550.....	8.3*	8.3	19 43.760	3.3927	0.0154	.....	+17 23 34.60	12.904	0.384	.....	4	4.62
685	B. D. +13°545.....	7.9*	7.9	3 19 51.151	+3.3224	+0.0136	.....	+13 44 5.63	+12.896	-0.376	.....	4	4.66
686	B. D. +37°771.....	7.7*	7.7	3 20 57.869	+3.8663	+0.0303	.....	+37 41 41.35	+12.821	-0.439	.....	4	6.73
687	2 H. Camelopardalis.....	4.4	7.3	20 57.973	4.8230	0.0772	+0.0005	+59 35 30.97	12.821	0.546	-0.001	11 10	7.10 7.01
688	B. D. +18°484.....	6.4	6.4	21 20.645	3.4147	0.0158	+0.0038	+18 24 24.10	12.796	0.388	-0.005	4	4.62
689	ε Tauri.....	3.8	8.7	21 44.912	3.2426	0.0117	+0.0040	+ 9 23 3.42	12.768	0.370	-0.041	43 40	7.36 7.32
690	B. D. +23°456.....	8.1*	8.1	3 21 55.875	+3.5278	+0.0189	.....	+23 50 4.42	+12.756	-0.402	.....	4	4.68
691	B. D. +22°495.....	6.1	6.1	3 22 35.678	+3.4996	+0.0180	+0.0006	+22 27 34.22	+12.711	-0.400	-0.111	4	4.69
692	B. D. +20°573.....	7.2	7.2	23 1.797	3.4548	0.0168	.....	+20 16 39.88	12.682	0.395	.....	4	4.56
693	B. D. +14°565.....	7.3	7.3	23 23.331	3.3433	0.0139	.....	+14 39 4.28	12.657	0.383	.....	4	4.56
694	σ Persei.....	4.6	7.5	23 31.230	4.2098	0.0437	+0.0006	+47 39 0.70	12.648	0.482	+0.022	11	6.73
695	B. D. +16°450.....	7.0	7.0	3 24 3.840	+3.3785	+0.0147	.....	+16 25 4.63	+12.612	-0.388	.....	4	4.62
696	B. D. +38°737.....	7.2	7.2	3 24 36.330	+3.9094	+0.0311	.....	+38 48 20.35	+12.574	-0.449	.....	2	8.06
697	B. D. +19°547.....	7.9*	7.9	24 43.854	3.4461	0.0165	.....	+19 45 41.00	12.566	0.397	.....	4	4.66
698	s Tauri.....	5.1	8.0	24 56.428	3.2748	0.0122	-0.0006	+10 59 37.21	12.552	0.378	-0.019	14 13	5.68 5.50
699	B. D. +24°503.....	8.1	8.1	25 19.052	3.5570	0.0194	.....	+24 54 52.02	12.526	0.410	.....	4	4.66
700	f Tauri.....	4.3	7.2	3 25 21.040	+3.3055	+0.0129	+0.0012	+12 35 39.28	+12.524	-0.382	-0.004	50	7.62

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Num- ber of Observations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
701	B. D. +21°474.....	9.1*	9.1	3 25 38.965	+3.4835	+0.0173	.....	+21 28 53.68	+12.504	-0.402	.....	4	4.57
702	B. D. +17°564.....	7.2	7.2	25 40.072	3.4037	0.0152	.....	+17 35 47.05	12.502	0.393	.....	4	4.58
703	B. D. +37°783.....	7.4	7.4	25 50.758	3.8810	0.0298	.....	+37 43 22.08	12.490	0.448	.....	4	6.73
704	B. D. +23°463.....	7.9*	7.9	26 6.997	3.5231	0.0184	.....	+23 18 24.90	12.471	0.407	.....	4	4.64
705	B. D. +15°499.....	8.5	8.5	3 27 16.934	+3.3580	+0.0140	.....	+15 12 34.15	+12.392	-0.390	.....	4	4.66
706	B. D. +13°568.....	7.3	7.3	3 27 48.206	+3.3239	+0.0132	.....	+13 26 42.78	+12.356	-0.387	.....	4	4.66
707	ε Eridani.....	3.8	8.7	28 12.664	2.8904	0.0054	-0.0657	-9 47 47.10	12.327	0.338	+0.013	62 58	6.88 6.87
708*	B. D. +17°575.....	6.4	6.4	28 26.455	3.4050	0.0150	+0.0060	+17 30 16.85	12.312	0.397	-0.322	4	4.67
709	B. D. +23°473.....	5.9	8.8	28 31.097	3.5449	0.0187	+0.0013	+24 7 45.30	12.306	0.414	-0.027	4	4.60
710	τ ^δ Eridani.....	4.3	7.2	3 29 22.268	+2.6456	+0.0030	+0.0034	-21 58 5.04	+12.248	-0.310	-0.020	10	5.81
711	B. D. +18°507.....	7.9	7.9	3 29 34.754	+3.4281	+0.0155	.....	+18 34 11.75	+12.234	-0.401	.....	4	4.59
712	B. D. +19°562.....	7.6	7.6	30 37.511	3.4535	0.0161	.....	+19 44 12.35	12.160	0.406	.....	4	4.60
713	B. D. +39°829.....	7.2	7.2	30 45.950	3.9567	0.0316	.....	+39 45 32.72	12.150	0.464	.....	4	6.73
714	B. D. +22°518.....	6.7	6.7	31 5.053	3.5214	0.0177	-0.0008	+22 52 49.58	12.128	0.414	-0.036	4	4.63
715	10 Tauri.....	4.4	7.3	3 31 46.018	+3.0739	+0.0082	-0.0156	+0 5 1.42	+12.081	-0.363	-0.482	10	6.50
716	B. D. +23°483.....	8.1*	8.1	3 31 47.787	+3.5457	+0.0183	.....	+23 55 51.32	+12.079	-0.418	.....	4	4.67
717*	B. D. +14°586.....	6.5	6.5	32 10.935	3.3606	0.0137	+0.0015	+15 6 7.52	12.052	0.397	-0.003	4	4.69
718	B. D. +38°771.....	8.7*	8.7	32 23.166	3.9189	0.0297	.....	+38 23 6.05	12.037	0.463	.....	2	8.06
719	B. D. +22°523.....	6.6	6.6	32 48.499	3.5120	0.0174	.....	+22 19 59.55	12.008	0.415	.....	4	4.60
720	B. D. +20°602.....	6.4	6.4	3 33 11.755	+3.4749	+0.0164	.....	+20 35 22.72	+11.981	-0.411	.....	4	4.62
721	11 H ¹ . Camelopardalis...	5.3	8.2	3 33 28.327	+5.1675	+0.0894	-0.0009	+62 53 33.67	+11.961	-0.609	+0.021	10	6.47
722*	B. D. +13°579.....	6.9	6.9	33 43.159	3.3314	0.0130	+0.0038	+13 34 4.55	11.944	0.395	-0.090	4	4.61
723	B. D. +16°484.....	6.3	9.2	33 46.302	3.3845	0.0141	+0.0030	+16 12 41.40	11.940	0.401	-0.039	4	4.59
724	B. D. +17°601.....	8.3*	8.3	33 49.295	3.4225	0.0150	.....	+18 3 51.10	11.937	0.406	.....	4	4.64
725	149 H ¹ . Cephei.....	5.8	8.7	3 33 56.04	+19.828	+3.302	+0.164	+86 19 56.59	+11.930	-2.328	-0.066	10	6.53 6.22
726	149 H ¹ . Cephei s. p.	5.8	8.7	3 33 56.60	+19.828	+3.302	+0.164	+86 19 56.57	+11.930	-2.328	-0.066	10	7.71
727	11 Tauri.....	6.2	6.2	34 47.805	3.5747	0.0188	+0.0011	+25 0 22.40	11.868	0.425	-0.015	14	5.49
728	δ Persei.....	3.1	8.0	35 48.136	4.2502	0.0414	+0.0032	+47 28 4.59	11.797	0.506	-0.033	11	6.59
729	B. D. +19°578.....	5.5	8.4	36 32.775	3.4533	0.0155	+0.0001	+19 22 48.88	11.744	0.413	-0.019	4	4.61
730	13 H ¹ . Camelopardalis...	5.8	8.7	3 36 32.849	+5.6101	+0.1157	+0.0164	+66 53 15.83	+11.744	-0.668	-0.102	10	7.95
731	13 H ¹ . Camelopardalis s. p.	5.8	8.7	3 36 32.852	+5.6101	+0.1157	+0.0164	+66 53 16.37	+11.744	-0.668	-0.102	10	7.13
732	B. D. +14°598.....	8.9*	8.9	36 36.303	3.3519	0.0132	.....	+14 28 18.38	11.740	0.401	.....	4	4.62
733	B. D. +16°497.....	7.2	7.2	36 56.639	3.4033	0.0144	.....	+16 58 22.82	11.716	0.408	.....	4	4.63
734	B. D. +37°820.....	7.4	7.4	37 25.161	3.9226	0.0289	.....	+38 3 21.50	11.682	0.470	.....	4	6.73
735	B. D. +19°582.....	6.3	6.3	3 38 0.180	+3.4544	+0.0154	+0.0085	+19 20 56.32	+11.641	-0.415	-0.065	4	4.60
736	o Persei.....	3.9	8.8	3 38 2.740	+3.7516	+0.0233	+0.0008	+31 58 18.19	+11.638	-0.450	-0.024	10	6.03
737	δ Fornacis.....	4.9	7.8	38 16.279	2.3850	0.0023	-0.0004	-32 15 27.17	11.622	0.288	+0.007	9	7.68
738	ν Persei.....	3.9	8.8	38 23.837	4.0623	0.0334	-0.0008	+42 15 46.27	11.613	0.488	+0.001	10	7.24
739	δ Eridani.....	3.7	8.6	38 27.386	2.8782	0.0054	-0.0063	-10 5 59.48	11.609	0.347	+0.743	38	8.64 8.70
740*	B. D. +20°621.....	6.0	8.9	3 38 38.908	+3.4824	+0.0160	+0.0008	+20 36 46.65	+11.595	-0.419	-0.006	4	4.60
741	B. D. +23°505.....	5.4	5.4	3 38 51.436	+3.5575	+0.0179	+0.0014	+23 58 30.29	+11.580	-0.428	-0.055	8	7.37
742	17 Tauri.....	3.8	8.7	38 56.113	3.5536	0.0178	+0.0014	+23 47 56.83	11.574	0.428	-0.050	17 18	6.42 6.63
743	B. D. +24°546.....	5.6	5.6	39 11.621	3.5706	0.0181	+0.0012	+24 31 31.75	11.556	0.430	-0.055	4	4.64
744	B. D. +24°547.....	4.4	7.3	39 15.171	3.5632	0.0179	+0.0008	+24 9 13.50	11.552	0.430	-0.048	4	4.66
745	B. D. +22°544.....	8.1*	8.1	3 39 46.625	+3.5229	+0.0169	.....	+22 22 54.18	+11.514	-0.425	.....	4	4.63
746	5 H. Camelopardalis...	4.7	7.6	3 39 47.792	+6.2541	+0.1598	+0.0060	+71 1 26.95	+11.511	-0.751	-0.036	10	6.78
747	5 H. Camelopardalis s. p.	4.7	7.6	39 47.802	6.2541	0.1598	+0.0060	+71 1 27.07	11.511	0.751	-0.036	10	7.81
748	B. D. +23°516.....	4.0	8.9	39 52.430	3.5608	0.0178	+0.0021	+24 3 19.23	11.507	0.430	-0.045	4 3	4.62 4.88
749	B. D. +24°553.....	5.8	8.7	39 56.862	3.5652	0.0180	+0.0012	+24 14 32.80	11.502	0.431	-0.041	4	4.60
750*	B. D. +24°556.....	6.5	6.5	3 40 5.367	+3.5648	+0.0179	+0.0006	+24 12 57.72	+11.492	-0.431	-0.039	4	4.60
751	B. D. +18°537.....	8.4*	8.4	3 40 16.881	+3.4336	+0.0148	.....	+18 15 14.25	+11.478	-0.415	.....	4	4.64
752	B. D. +23°522.....	4.2	7.1	40 23.358	3.5520	0.0176	+0.0017	+23 38 13.15	11.470	0.430	-0.054	4	4.68
753	B. D. +13°594.....	6.8	6.8	40 52.507	3.3297	0.0125	.....	+13 11 51.52	11.436	0.404	.....	4	4.63
754	B. D. +23°531.....	8.7*	8.7	41 19.764	3.5576	0.0176	.....	+23 49 8.10	11.403	0.432	.....	4	10.05
755	B. D. +23°534.....	8.1*	8.1	3 41 22.493	+3.5579	+0.0176	.....	+23 49 47.02	+11.400	-0.432	.....	4 5	10.09 10.10
756	B. D. +23°536.....	8.1*	8.1	3 41 24.250	+3.5574	+0.0176	+0.0014	+23 48 24.93	+11.398	-0.432	-0.054	9	7.68
757	η Tauri.....	3.0	7.9	41 32.284	3.5574	0.0176	+0.0014	+23 47 45.83	11.388	0.432	-0.048	43 40	7.51 7.66
758	B. D. +16°512.....	8.4*	8.4	41 53.868	3.3963	0.0138	.....	+16 23 46.05	11.362	0.413	.....	4	4.59
759	B. D. +22°563.....	5.5	8.4	42 25.478	3.5430	0.0172	+0.0023	+23 6 50.42	11.324	0.431	-0.050	4	4.62
760	τ ^δ Eridani.....	4.3	7.2	3 42 32.640	+2.5916	+0.0032	-0.0118	-23 32 45.04	+11.315	-0.317	-0.523	11	7.04
761*	B. D. +23°553.....	6.6	6.6	3 42 32.642	+3.5644	+0.0177	+0.0029	+24 2 18.45	+11.315	-0.433	-0.049	4	4.72
762*	B. D. +23°556.....	6.6	6.6	43 0.312	3.5539	0.0174	+0.0015	+23 33 5.20	11.282	0.434	-0.059	4	4.66
763	B. D. +15°534.....	8.2	8.2	43 1.044	3.3725	0.0132	.....	+15 11 52.85	11.281	0.411	.....	4	4.63
764	27 Tauri.....	3.8	8.7	43 12.843	3.5587	0.0174	+0.0014	+23 44 51.75	11.267	0.434	-0.050	15	5.39
765	B. D. +23°558.....	5.2	5.2	3 43 14.142	+3.5606	+0.0175	+0.0014	+23 49 52.08	+11.265	-0.434	-0.049	4	4.57

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
766	7 Eridani.....	5.0	7.9	3 43 21.609	+2.5757	+0.0030	+0.0032	-24 11 3.08	+11.256	-0.316	+0.054	11 12	6.14 6.28
767	B. D. +37°833.....	6.6	6.6	43 29.147	3.9234	0.0275	.....	+37 34 10.00	11.247	0.479	.....	2	8.06
768	B. D. +20°643.....	8.7*	8.7	43 57.088	3.4944	-0.0158	.....	+20 51 17.78	11.213	0.427	.....	4	4.58
769*	B. D. +21°535.....	5.9	8.8	44 2.224	3.5187	0.0163	+0.0026	+21 56 24.38	11.207	0.430	-0.042	4	4.67
770	B. D. +19°600.....	8.1*	8.1	3 44 8.179	+3.4597	+0.0150	.....	+19 15 41.97	+11.200	-0.423	.....	4 3	4.68
771	B. D. +25°624.....	5.4	8.3	3 44 18.110	+3.5960	+0.0182	+0.0029	+25 16 39.78	+11.188	-0.440	-0.108	4	4.70
772*	B. D. +12°516.....	6.2	6.2	45 42.641	3.3242	0.0120	+0.0034	+12 44 40.40	11.086	0.408	-0.050	4 3	4.66 4.94
773*	B. D. +21°539.....	6.8	6.8	45 44.060	3.5162	0.0161	+0.0008	+21 43 49.18	11.084	0.432	-0.024	4	4.60
774	B. D. +18°550.....	7.8*	7.8	46 38.340	3.4416	0.0144	.....	+18 17 54.42	11.017	0.422	.....	4	4.59
775	B. D. +13°613.....	8.0	8.0	3 47 19.548	+3.3530	+0.0126	.....	+14 5 1.35	+10.968	-0.414	.....	4	4.63
776	B. D. +22°588.....	8.9*	8.9	3 47 25.908	+3.5433	+0.0166	.....	+22 49 30.25	+10.960	-0.437	.....	4	4.63
777	B. D. +16°523.....	6.0	8.9	47 26.853	3.4151	0.0138	+0.0100	+17 1 45.88	10.959	0.422	-0.033	4	4.72
778	B. D. +25°641.....	7.2	7.2	47 33.059	3.6035	0.0180	.....	+25 23 9.22	10.952	0.445	.....	4	4.70
779	Persei.....	2.9	7.8	47 50.635	3.7612	0.0220	+0.0010	+31 35 12.52	10.930	0.464	-0.017	11	4.75
780	B. D. +14°624.....	8.3*	8.3	3 48 10.890	+3.3705	+0.0128	.....	+14 53 15.88	+10.905	-0.417	.....	4	4.61
781	B. D. +39°887.....	7.9*	7.9	3 48 14.486	+3.9990	+0.0289	.....	+39 33 50.88	+10.901	-0.494	.....	4	7.40
782	9 H. Camelopardalis.....	5.2	8.1	48 36.362	5.0826	0.0740	+0.0004	+60 48 57.86	10.874	0.627	-0.016	12 11	5.71 5.80
783*	B. D. +16°527.....	6.9	6.9	48 45.691	3.4013	0.0133	+0.0161	+16 19 29.22	10.862	0.421	-0.220	4	4.62
784	B. D. +22°605.....	5.8	8.7	50 57.448	3.5333	0.0160	+0.0046	+22 11 23.78	10.700	0.440	-0.114	4	4.64
785	B. D. +19°625.....	8.5*	8.5	3 51 4.022	+3.4792	+0.0148	.....	+19 47 34.98	+10.692	-0.434	.....	4	4.59
786	B. D. +22°607.....	6.0	6.0	3 51 7.953	+3.5496	+0.0163	+0.0021	+22 53 7.32	+10.687	-0.442	-0.013	4	4.69
787	Persei.....	3.0	7.9	51 8.457	4.0118	0.0286	+0.0023	+39 43 15.86	10.687	0.500	-0.029	11	6.65
788	B. D. +18°562.....	8.5*	8.5	51 15.617	3.4519	0.0142	.....	+18 32 58.35	10.678	0.430	.....	4	4.68
789*	B. D. +20°669.....	7.0	7.0	51 19.822	3.5073	0.0154	+0.0007	+21 2 1.22	10.673	0.438	-0.075	4	4.60
790	B. D. +24°599.....	6.4	6.4	3 51 27.469	+3.5803	+0.0170	.....	+24 10 20.25	+10.663	-0.447	.....	4	4.63
791	Persei.....	4.0	6.9	3 52 28.436	+3.8819	+0.0245	+0.0011	+35 30 13.45	+10.588	-0.485	-0.012	10	6.39
792	B. D. +26°655.....	7.4	7.4	52 59.560	3.6492	0.0184	.....	+26 54 40.32	10.549	0.457	.....	4	4.66
793	7 Eridani.....	3.2	8.1	53 21.835	2.7931	0.0046	+0.0046	-13 47 34.73	10.522	0.351	-0.112	56 51	7.35 7.34
794	B. D. +13°621.....	7.3	7.3	53 44.196	3.3497	0.0120	.....	+13 41 27.48	10.494	0.421	.....	4	4.66
795*	B. D. +16°544.....	6.3	6.3	3 54 53.993	+3.4219	+0.0133	-0.0003	+17 0 52.58	+10.407	-0.431	-0.061	4	4.66
796	B. D. +22°617.....	6.5	6.5	3 55 0.357	+3.5554	+0.0161	+0.0011	+22 55 11.52	+10.399	-0.447	-0.028	4	4.06
797	B. D. +17°666.....	5.8	8.7	55 2.995	3.4417	0.0137	+0.0095	+17 54 43.18	10.396	0.434	-0.037	4	4.72
798	B. D. +15°565.....	7.7	7.7	55 5.866	3.3827	0.0125	.....	+15 11 37.02	10.392	0.426	.....	4	4.64
799	λ Tauri.....	var.	8.7	55 8.304	3.3196	0.0114	-0.0004	+12 12 28.75	10.389	0.418	-0.014	49 43	7.44 7.37
800	B. D. +19°643.....	6.8	6.8	3 55 17.347	+3.4867	+0.0146	+0.0027	+19 55 8.90	+10.378	-0.440	-0.075	4	4.63
801	7 Eridani.....	4.7	7.6	3 55 39.682	+2.5556	+0.0033	+0.0006	-24 17 58.54	+10.350	-0.323	+0.004	10	6.22
802	B. D. +25°662.....	8.9*	8.9	55 52.233	3.6219	0.0174	.....	+25 38 36.48	10.335	0.457	.....	4	4.73
803	B. D. +18°575.....	10.7*	10.7	57 34.207	3.4702	0.0140	.....	+19 4 53.67	10.207	0.440	.....	3	5.95
804	λ Tauri.....	3.9	8.8	57 50.127	3.1875	0.0091	+0.0001	+5 42 43.91	10.187	0.405	-0.007	40 34	6.32 6.02
805	B. D. +23°609.....	5.7	8.6	3 58 22.679	+3.5815	+0.0162	-0.0003	+23 49 51.08	+10.146	-0.455	-0.022	4	4.61
806	B. D. +39°921.....	7.9	7.9	3 58 43.238	+4.0414	+0.0279	.....	+40 1 41.70	+10.120	-0.513	.....	2	8.06
807	λ Tauri.....	4.5	7.4	58 46.922	3.5340	0.0152	+0.0067	+21 48 31.60	10.116	0.449	-0.064	50 47	8.08 8.03
808*	B. D. +17°676.....	6.8	6.8	58 56.062	3.4306	0.0131	-0.0011	+17 14 34.25	10.104	0.436	-0.074	4	4.64
809	λ Persei.....	4.3	7.2	59 7.829	4.4526	0.0410	-0.0003	+50 4 47.89	10.089	0.565	-0.037	11	6.75
810	B. D. +21°587.....	6.0	6.0	3 59 25.009	+3.5332	+0.0151	+0.0125	+21 44 20.38	+10.068	-0.450	-0.138	4	4.68
811	B. D. +19°658.....	8.3*	8.3	3 59 47.310	+3.4861	+0.0141	.....	+19 40 56.08	+10.039	-0.444	.....	4	4.65
812	B. D. +25°675.....	7.5	7.5	4 0 0.434	3.6354	0.0172	.....	+25 56 26.90	10.023	0.463	.....	4	4.70
813	B. D. +27°633.....	5.3	8.2	0 28.214	3.6712	0.0179	+0.0012	+27 19 49.58	9.988	0.469	-0.057	4	4.68
814	ψ Tauri.....	5.3	8.2	0 49.327	3.7081	0.0187	-0.0062	+28 43 52.15	9.961	0.474	+0.003	14	5.56
815	B. D. +18°581.....	7.6	7.6	4 0 49.603	+3.4690	+0.0137	.....	+18 52 51.15	+ 9.961	-0.443	.....	4	4.65
816	B. D. +20°701.....	8.8*	8.8	4 1 15.731	+3.5179	+0.0146	.....	+20 59 37.20	+ 9.928	-0.450	.....	4	4.72
817	c Persei.....	4.0	8.9	1 23.940	4.3374	0.0362	+0.0032	+47 26 44.28	9.917	0.554	-0.030	10	6.58
818	174 G. Eridani.....	5.6	8.5	1 30.235	2.4566	0.0030	+0.0147	-27 55 30.18	9.909	0.316	+0.103	10	8.36
819*	B. D. +14°657.....	5.9	5.9	2 2.350	3.3818	0.0120	+0.0104	+14 53 43.45	9.869	0.433	-0.043	4	4.70
820	B. D. +16°559.....	7.5	7.5	4 2 12.854	+3.4119	+0.0125	.....	+16 15 48.05	+ 9.855	-0.437	.....	4	4.76
821	B. D. +16°560.....	6.1	6.1	4 2 15.708	+3.4298	+0.0128	+0.0012	+17 4 21.45	+ 9.852	-0.440	-0.017	4	4.65
822*	B. D. +23°624.....	7.0	7.0	2 52.415	3.5818	0.0157	+0.0074	+23 36 20.38	9.805	0.460	-0.010	4	4.73
823	B. D. +22°637 (south).....	7.6	7.6	2 56.260	3.5632	0.0151	.....	+22 49 54.97	9.800	0.457	.....	3	6.36
824	B. D. +22°637 (mean).....	6.8	6.8	2 56.285	3.5632	0.0151	.....	+22 49 57.53	9.800	0.457	.....	3	4.12
825	B. D. +22°637 (north).....	7.6	7.6	4 2 56.310	+3.5632	+0.0151	.....	+22 50 0.80	+ 9.800	-0.457	.....	3	6.36
826	43 Tauri.....	5.7	8.6	4 3 20.345	+3.4820	+0.0137	+0.0075	+19 20 42.11	+ 9.770	-0.447	-0.043	14	6.78
827	B. D. +13°648.....	6.0	8.9	3 20.438	3.3447	0.0112	+0.0010	+13 8 0.80	9.762	0.430	-0.025	4	4.69
828	B. D. +24°629.....	9.1	9.1	4 32.945	3.6206	0.0163	.....	+25 6 2.88	9.677	0.466	.....	4	4.69
829	p Tauri.....	5.6	8.5	4 44.302	3.6490	0.0168	-0.0020	+26 13 12.51	9.662	0.470	-0.037	14	5.85
830*	B. D. +18°594.....	6.6	6.6	4 45.199	+3.4566	+0.0131	+0.0079	+18 9 44.60	+ 9.648	-0.446	-0.050	4	4.73

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Obser- vations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
831	151 H ¹ . Cephei.....	6.7	6.7	4 5 5.90	+17.301	+1.789	+0.015	+85 17 28.80	+9.635	-2.216	+0.033	39 38	7.44 7.40
832	151 H ¹ . Cephei s. p.....	6.7	6.7	5 5.91	17.301	1.789	+0.015	+85 17 29.04	9.635	2.216	+0.033	79 78	7.68 7.66
833	B. D. +15°592.....	7.2	7.2	5 14.417	3.4016	0.0121	.....	+15 41 9.12	9.624	0.439	.....	4	4.65
834	B. D. +21°606.....	8.7*	8.7	6 17.375	3.5300	0.0143	.....	+21 16 39.38	9.543	0.457	.....	4	4.64
835*	B. D. +16°569.....	6.3	6.3	4 6 47.120	+3.4325	+0.0125	+0.0005	+17 1 13.08	+9.505	-0.445	-0.014	4	4.70
836*	B. D. +22°649.....	6.2	6.2	4 6 55.307	+3.5516	+0.0146	-0.0016	+22 9 23.58	+9.495	-0.460	-0.019	4	4.68
837	o ¹ Eridani.....	4.1	7.0	6 59.004	2.9258	0.0058	+0.0006	-7 5 52.34	9.490	0.380	+0.081	41 42	8.42 8.38
838	μ Persei.....	4.3	7.2	7 33.131	4.3887	0.0359	+0.0013	+48 9 19.62	9.446	0.568	-0.027	10 9	6.50 7.26
839	B. D. +27°649.....	8.1*	8.1	8 21.255	3.6925	0.0173	.....	+27 42 22.60	9.384	0.480	.....	4	4.69
840	B. D. +36°857.....	7.5	7.5	4 8 23.126	+3.9383	+0.0230	.....	+36 14 57.95	+9.382	-0.512	.....	2	8.06
841	B. D. +23°648.....	7.0	7.0	4 8 27.182	+3.5846	+0.0151	.....	+23 26 34.08	+9.376	-0.466	.....	4	4.74
842	B. D. +19°679.....	8.2*	8.2	8 31.456	3.4867	0.0133	.....	+19 19 37.70	9.371	0.453	.....	4	4.62
843*	B. D. +22°657.....	7.0	7.0	8 33.600	3.5545	0.0145	+0.0078	+22 11 56.52	9.368	0.462	-0.039	4	4.66
844	A Eridani.....	5.1	8.0	9 38.201	2.8527	0.0051	-0.0008	-10 30 16.66	9.285	0.373	-0.157	10 9	7.00 6.88
845	B. D. +15°603.....	6.4	6.4	4 10 5.585	+3.3934	+0.0116	+0.0084	+15 9 2.12	+9.249	-0.443	-0.025	4	4.60
846	μ Tauri.....	4.3	7.2	4 10 6.183	+3.2526	+0.0094	+0.0019	+8 38 31.46	+9.249	-0.425	-0.020	10	6.83
847	o ² Eridani.....	4.5	7.4	10 38.778	2.9095	0.0055	-0.1484	-7 49 1.00	9.205	0.381	-3.435	40	9.12
848	B. D. +19°687.....	8.4*	8.4	11 0.483	3.4977	0.0132	.....	+19 41 54.63	9.179	0.457	.....	3	5.95
849	B. D. +20°724.....	4.8	7.7	11 23.956	3.5130	0.0135	-0.0021	+20 19 57.30	9.148	0.460	-0.059	4	4.69
850	B. D. +17°703.....	7.5*	7.5	4 12 14.456	+3.4597	+0.0124	.....	+18 0 42.35	+9.082	-0.453	.....	4	4.73
851	B. D. +22°670.....	7.5	7.5	4 12 17.132	+3.5674	+0.0143	.....	+22 33 43.32	+9.079	-0.468	.....	4	4.73
852	B. D. +24°643.....	8.2*	8.2	12 24.824	3.6220	0.0153	.....	+24 45 31.38	9.069	0.475	.....	4	4.63
853	B. D. +21°618.....	6.6	8.5	12 28.054	3.5379	0.0138	+0.0075	+21 20 6.15	9.065	0.464	-0.039	4	4.70
854	B. D. +39°973.....	7.8*	7.8	13 26.912	4.0602	0.0249	.....	+39 35 20.95	8.988	0.533	.....	2	8.06
855	B. D. +20°733.....	5.4	8.3	4 13 32.337	+3.5286	+0.0136	+0.0031	+20 54 1.70	+8.981	-0.464	-0.047	4	4.66
856	B. D. +21°623.....	5.3	8.2	4 13 41.391	+3.5439	+0.0137	+0.0026	+21 31 55.32	+8.969	-0.466	-0.046	4	4.69
857	54 Persei.....	5.1	8.0	13 54.898	3.8888	0.0206	-0.0025	+34 19 31.36	8.952	0.511	-0.015	10	5.95
858	γ Tauri.....	3.9	8.8	14 6.102	3.4015	0.0114	+0.0081	+15 23 10.92	8.937	0.448	-0.027	43 39	6.43 6.42
859	υ ⁴ Eridani.....	3.6	8.5	14 6.632	2.2641	0.0031	+0.0047	-34 2 31.69	8.936	0.300	-0.003	9	6.12
860*	B. D. +16°579.....	6.9	6.9	4 14 11.296	+3.4218	+0.0117	+0.0077	+16 16 53.85	+8.930	-0.450	-0.078	4	4.68
861	B. D. +27°655.....	5.1	8.0	4 14 12.103	+3.6850	+0.0163	-0.0014	+27 6 42.00	+8.929	-0.484	-0.084	4	4.62
862	B. D. +13°663.....	5.6	8.5	14 19.764	3.3662	0.0108	+0.0081	+13 47 39.25	8.919	0.443	-0.028	4	4.71
863*	B. D. +18°624.....	6.0	8.9	14 36.380	3.4731	0.0125	+0.0055	+18 30 10.65	8.897	0.459	.....	4	4.70
864	B. D. +14°682.....	5.3	8.2	14 55.988	3.3902	0.0111	+0.0077	+14 51 21.05	8.872	0.447	-0.033	4	4.79
865*	B. D. +13°665.....	6.1	6.1	4 15 15.160	+3.3630	+0.0107	+0.0087	+13 37 32.12	+8.847	-0.444	-0.018	4	4.69
866*	B. D. +20°740.....	6.9	6.9	4 15 37.423	+3.5283	+0.0133	+0.0064	+20 48 8.70	+8.818	-0.465	-0.005	4	4.70
867	212 G. Eridani.....	5.3	8.2	16 17.263	2.6139	0.0037	+0.0031	-20 52 41.04	8.765	0.347	-0.005	11 10	7.26 7.52
868	B. D. +13°668.....	5.8	8.7	16 25.365	3.3686	0.0106	+0.0078	+13 50 27.38	8.755	0.446	-0.031	4	4.70
869	B. D. +20°744.....	6.1	6.1	16 29.648	3.5240	0.0131	+0.0007	+20 35 6.10	8.749	0.466	-0.005	4	4.70
870	B. D. +25°707.....	5.4	8.3	4 16 29.683	+3.6431	+0.0152	+0.0019	+25 23 36.72	+8.749	-0.481	-0.032	4	4.64
871	δ Tauri.....	3.9	8.8	4 17 10.026	+3.4476	+0.0118	+0.0077	+17 18 29.39	+8.696	-0.456	-0.033	41 38	7.42 7.24
872*	B. D. +24°654.....	7.2	7.2	17 27.675	3.6132	0.0145	+0.0077	+24 10 20.72	8.673	0.479	-0.045	4	4.79
873*	B. D. +20°751.....	5.9	8.8	17 38.689	3.5290	0.0130	+0.0019	+20 44 56.72	8.658	0.468	-0.031	4	4.69
874	B. D. +16°586.....	5.7	8.6	17 40.691	3.4304	0.0115	+0.0076	+16 32 37.82	8.656	0.455	-0.032	4	4.62
875	B. D. +23°684.....	6.2	6.2	4 17 57.861	+3.6111	+0.0144	+0.0013	+24 4 5.60	+8.633	-0.479	-0.023	4	4.73
876	B. D. +17°714.....	4.8	7.7	4 18 19.783	+3.4463	+0.0116	+0.0082	+17 12 44.70	+8.604	-0.458	-0.041	4	4.63
877	B. D. +38°886.....	7.8*	7.8	18 34.407	4.0442	0.0233	.....	+38 49 24.40	8.585	0.537	.....	2	8.06
878	B. D. +25°710.....	7.7	7.7	19 4.701	3.6495	0.0150	.....	+25 31 9.65	8.545	0.485	.....	4	4.78
879	B. D. +18°633.....	6.0	6.0	19 7.351	3.4842	0.0122	+0.0075	+18 48 44.12	8.542	0.463	-0.063	4	4.70
880	B. D. +21°642.....	4.4	7.3	4 19 24.476	+3.5627	+0.0134	+0.0073	+22 3 54.38	+8.519	-0.473	-0.048	4	4.68
881	B. D. +21°643.....	5.4	8.3	4 19 27.470	+3.5605	+0.0134	+0.0084	+21 58 17.00	+8.515	-0.474	-0.060	4	4.65
882	68 Tauri.....	4.2	7.1	19 42.189	3.4586	0.0118	+0.0075	+17 41 57.79	8.496	0.460	-0.025	14	4.84
883	B. D. +15°621.....	6.4	6.4	19 54.765	3.4130	0.0110	+0.0077	+15 42 45.05	8.479	0.454	-0.029	4	4.66
884	υ ⁵ Eridani.....	4.1	9.0	*20 16.858	2.2472	0.0032	+0.0045	-34 14 55.48	8.450	0.301	+0.055	8 9	6.23 5.95
885	B. D. +22°696.....	4.4	7.3	4 20 19.336	+3.5765	+0.0135	+0.0081	+22 35 12.90	+8.447	-0.477	-0.052	4	4.69
886	B. D. +15°625.....	4.6	7.5	4 20 38.829	+3.4062	+0.0109	+0.0079	+15 23 29.22	+8.421	-0.454	-0.027	4	4.77
887	B. D. +14°697.....	4.9	7.8	20 57.275	3.3859	0.0105	0.0000	+14 29 16.05	8.396	0.452	-0.035	4	4.74
888	B. D. +22°699.....	5.4	8.3	21 18.547	3.5821	0.0135	+0.0005	+22 46 16.00	8.368	0.478	-0.018	4	4.77
889	B. D. +21°647.....	5.7	8.6	22 4.231	3.5489	0.0129	+0.0078	+21 23 49.00	8.307	0.474	-0.045	4	4.66
890	B. D. +16°605.....	5.3	8.2	4 22 43.598	+3.4247	+0.0110	+0.0006	+16 8 11.00	+8.256	-0.458	-0.019	4	5.22
891	B. D. +14°702.....	6.0	8.9	4 22 43.370	+3.3877	+0.0104	+0.0075	+14 31 6.72	+8.256	-0.454	-0.021	4	4.12
892	ε Tauri.....	3.6	8.5	22 46.602	3.4908	0.0119	+0.0080	+18 57 31.82	8.251	0.468	-0.038	48 43	7.13 7.05
893	B. D. +20°761.....	8.4*	8.4	22 48.773	3.5267	0.0125	.....	+20 27 18.75	8.248	0.472	.....	4	4.75
894	B. D. +15°631.....	4.0	8.9	22 51.680	3.4157	0.0108	+0.0072	+15 44 25.22	8.245	0.457	-0.028	4	4.78
895	B. D. +15°632.....	3.6	8.5	4 22 57.102	+3.4137	+0.0108	+0.0072	+15 38 56.95	+8.238	-0.457	-0.025	4	4.73

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				^h ^m ^s	^s	^s	^s	[°] ['] ["]	["]	["]	["]		1900+
896*	B. D. +27°661.....	6.6	6.6	4 23 9.104	+3.6983	+0.0154	-0.0009	+27 11 1.12	+8.222	-0.495	-0.035	4	4.71
897*	B. D. +15°633.....	6.6	6.6	23 16.466	3.4205	0.0108	+0.0099	+15 56 17.20	8.212	0.459	-0.055	4	4.75
898	B. D. +39°1007.....	8.7*	8.7	23 34.111	4.0720	0.0228	.....	+39 20 1.45	8.188	0.546	.....	2	8.06
899*	B. D. +27°662.....	6.6	6.6	24 6.286	3.7192	0.0155	+0.0119	+27 54 40.92	8.145	0.499	+0.032	4	4.68
900	1 Camelopardalis.....	5.4	8.3	4 24 6.352	+4.7344	+0.0404	+0.0007	+53 41 36.73	+8.145	-0.634	-0.005	9 10	5.76 5.88
901	B. D. +23°701.....	7.1	7.1	4 24 21.636	+3.6003	+0.0135	.....	+23 22 12.10	+8.125	-0.483	.....	4	4.76
902	80 Tauri.....	5.7	8.6	24 26.422	3.4094	0.0106	+0.0073	+15 25 10.67	8.119	0.458	-0.012	13	5.56
903	B. D. +15°637.....	4.8	7.7	24 50.143	3.4225	0.0107	+0.0078	+15 58 35.30	8.087	0.460	-0.032	4	4.65
904	B. D. +37°930.....	8.0*	8.0	24 51.378	4.0086	0.0211	.....	+37 26 10.55	8.085	0.538	.....	2	8.04
905	B. D. +15°639.....	5.5	8.4	4 24 56.551	+3.4110	+0.0105	+0.0073	+15 28 28.98	+8.078	-0.458	-0.030	4	4.71
906	B. D. +13°690.....	5.5	8.4	4 24 59.531	+3.3662	+0.0099	+0.0074	+13 30 25.22	+8.074	-0.453	-0.020	4	4.67
907*	B. D. +15°640.....	6.7	6.7	25 3.378	3.4216	0.0107	+0.0091	+15 55 54.20	8.069	0.460	-0.099	4	4.77
908	B. D. +14°711.....	6.6	6.6	25 26.596	3.3979	0.0104	+0.0038	+14 53 22.62	8.038	0.457	-0.050	4	4.75
909	B. D. +15°645.....	6.0	6.0	26 8.966	3.4155	0.0105	+0.0073	+15 38 13.78	7.982	0.460	-0.031	4	4.66
910	B. D. +24°663.....	7.3	7.3	4 26 16.732	+3.6434	+0.0140	.....	+24 58 18.10	+7.971	-0.491	.....	5 4	5.34 5.73
911	m Persei.....	6.1	9.0	4 26 22.600	+4.2101	+0.0253	+0.0006	+42 51 1.93	+7.963	-0.567	+0.001	11	6.96
912*	B. D. +17°750 (mean)	6.2	6.2	27 45.529	3.4673	0.0110	+0.0025	+17 48 20.55	7.852	0.468	-0.031	4	4.64
913*	B. D. +16°621.....	6.5	6.5	27 54.683	3.4277	0.0106	+0.0010	+16 6 45.18	7.840	0.463	+0.019	4	4.73
914	ρ Tauri.....	4.8	7.7	28 10.349	3.3937	0.0100	+0.0069	+14 38 3.90	7.819	0.459	-0.026	16	5.88
915	B. D. +28°666.....	5.7	8.6	4 28 22.411	+3.7478	+0.0154	+0.0004	+28 45 7.80	7.803	-0.507	-0.022	4	4.77
916	B. D. +38°915.....	8.1*	8.1	4 28 26.188	+4.0581	+0.0214	.....	+38 40 58.95	+7.798	-0.548	.....	2	8.06
917	B. D. +22°712.....	6.8	6.8	28 46.284	3.5822	0.0127	.....	+22 29 2.72	7.771	0.485	.....	4	4.74
918	B. D. +20°778.....	8.4*	8.4	28 51.695	3.5427	0.0121	.....	+20 53 43.92	7.763	0.480	.....	4	5.16
919	B. D. +17°751.....	7.8*	7.8	28 55.015	3.4618	0.0109	.....	+17 32 24.55	7.759	0.469	.....	4	4.67
920*	B. D. +19°742.....	6.6	6.6	4 29 50.734	+3.5137	+0.0116	-0.0028	+19 40 31.65	+7.684	-0.477	+0.018	4	4.69
921	B. D. +37°947.....	7.6	7.6	4 30 8.341	+4.0110	+0.0201	.....	+37 14 4.85	+7.660	-0.544	.....	2	8.04
922	α Tauri.....	1.1	9.6	30 10.915	3.4337	0.0104	+0.0048	+16 18 29.29	7.657	0.466	-0.191	42 41	6.16 6.12
923*	B. D. +23°715.....	6.0	6.0	30 27.671	3.6004	0.0127	+0.0109	+23 8 13.55	7.634	0.488	-0.102	4	4.68
924	B. D. +26°730.....	8.4*	8.4	30 35.813	3.7003	0.0143	.....	+26 55 53.58	7.623	0.502	.....	4	4.77
925	B. D. +27°673.....	7.4	7.4	4 30 56.223	+3.7223	+0.0146	.....	+27 43 19.40	+7.596	-0.506	.....	4	4.71
926	B. D. +25°720.....	7.6	7.6	4 31 17.325	+3.6633	+0.0136	.....	+25 31 29.78	+7.567	-0.498	.....	4	4.66
927	ν Eridani.....	4.1	7.0	31 19.290	2.9954	0.0058	0.0000	- 3 33 24.06	7.565	0.408	-0.002	41 40	9.11
928	B. D. +18°661.....	6.6	6.6	31 25.966	3.4826	0.0110	.....	+18 20 24.08	7.556	0.474	.....	4	4.75
929	υ ⁷ Eridani.....	3.9	8.8	31 39.712	2.3351	0.0032	-0.0046	-30 46 0.75	7.537	0.319	-0.004	10	6.52
930	B. D. +20°785.....	5.7	8.6	4 32 21.759	+3.5355	+0.0116	-0.0003	+20 29 1.98	+7.480	-0.482	+0.002	4	4.69
931	B. D. +15°661.....	5.8	5.8	4 32 25.916	+3.4240	+0.0101	+0.0062	+15 49 58.62	+7.475	-0.466	-0.029	4	4.73
932	B. D. +24°674.....	6.3	6.3	33 17.143	3.6520	0.0132	.....	+25 1 11.78	7.405	0.498	.....	4	4.71
933	B. D. +15°665.....	5.2	8.1	33 26.539	3.4193	0.0100	+0.0021	+15 36 11.00	7.392	0.467	-0.067	4	4.66
934	B. D. +15°666.....	4.8	7.7	33 33.221	3.4221	0.0100	+0.0057	+15 43 12.00	7.383	0.467	-0.020	4	4.65
935	53 Eridani.....	4.0	8.9	4 33 35.981	+2.7510	+0.0042	-0.0054	-14 29 58.53	+7.380	-0.376	-0.161	48 45	8.84 8.90
936	B. D. +17°762.....	8.0*	8.0	4 34 5.758	+3.4595	+0.0104	.....	+17 17 32.45	+7.339	-0.472	.....	4	4.81
937	B. D. +28°680.....	5.7	8.6	35 4.099	3.7465	0.0144	+0.0033	+28 25 16.92	7.260	0.512	-0.042	4	4.75
938	35 B. Camelopardalis.....	6.0	8.9	35 22.317	7.9833	0.1824	+0.0117	+75 45 32.31	7.236	1.088	-0.131	10	7.76
939	35 B. Camelopardalis.....	6.0	8.9	35 22.298	7.9833	0.1824	+0.0117	+75 45 32.83	7.236	1.088	-0.131	14	5.51
940	B. D. +38°926.....	8.6*	8.6	4 35 50.340	+4.0538	+0.0197	.....	+38 11 51.25	+7.197	-0.555	.....	2	8.04
941	258 G. Eridani.....	5.6	8.5	4 35 57.210	+2.4991	+0.0034	-0.0049	-24 40 39.92	+7.188	-0.343	+0.019	10	7.70
942	B. D. +38°927.....	6.7	6.7	36 1.443	4.0555	0.0196	.....	+38 14 6.95	7.182	0.555	.....	2	8.06
943	B. D. +21°686.....	9.0*	9.0	36 3.036	3.5592	0.0115	.....	+21 18 58.90	7.180	0.488	.....	4	4.74
944	τ Tauri.....	4.3	7.2	36 14.484	3.5961	0.0120	+0.0004	+22 45 55.14	7.164	0.493	-0.022	42 41	7.31 7.34
945	B. D. +18°684.....	7.1	7.1	4 37 1.340	+3.4913	+0.0105	.....	+18 31 56.62	+7.101	-0.479	.....	4	4.65
946	B. D. +23°733.....	6.2	6.2	4 37 10.407	+3.6263	+0.0123	+0.0010	+23 53 58.40	+7.088	-0.498	-0.028	4	4.72
947	B. D. +20°808.....	8.6*	8.6	37 11.539	3.5383	0.0111	.....	+20 26 22.14	7.087	0.486	.....	4 5	5.74 5.38
948	B. D. +17°774.....	8.2*	8.2	37 12.141	3.4575	0.0101	.....	+17 7 16.08	7.086	0.474	.....	4	4.80
949	B. D. +27°688.....	8.0*	8.0	37 21.993	3.7235	0.0137	.....	+27 30 18.75	7.072	0.511	.....	4	4.75
950*	B. D. +23°739.....	6.2	6.2	4 39 40.129	+3.6167	+0.0118	+0.0005	+23 26 39.18	+6.884	-0.498	+0.004	4	4.69
951	4 Camelopardalis.....	5.4	8.3	4 39 40.278	+4.9745	+0.0400	+0.0065	+56 34 45.91	+6.883	-0.684	-0.148	14	6.41
952	B. D. +25°731.....	7.5	7.5	40 3.292	3.6809	0.0127	.....	+25 51 11.92	6.852	0.507	.....	4	4.70
953	B. D. +27°694.....	8.4*	8.4	40 18.981	3.7325	0.0134	.....	+27 43 6.10	6.830	0.514	.....	4	4.59
954	B. D. +18°719.....	6.1	6.1	40 26.388	3.4942	0.0102	+0.0046	+18 33 14.28	6.820	0.482	-0.063	4	4.74
955	μ Eridani.....	4.2	7.1	4 40 30.085	+2.9968	+0.0055	+0.0013	- 3 26 15.97	+6.815	-0.414	-0.010	48 44	6.35 6.14
956	B. D. +19°777.....	8.0*	8.0	4 40 44.058	+3.5130	+0.0104	.....	+19 18 44.68	+6.796	-0.485	.....	4	4.70
957	B. D. +20°821.....	9.3	9.3	41 15.248	3.5369	0.0106	.....	+20 15 44.70	6.753	0.488	.....	4	4.72
958	B. D. +28°695.....	7.0	7.0	42 0.848	3.7724	0.0137	.....	+29 3 31.35	6.690	0.521	.....	4	4.69
959	B. D. +24°689.....	8.0*	8.0	42 29.968	3.6487	0.0119	.....	+24 33 58.55	6.651	0.505	.....	4	4.70
960	B. D. +37°968.....	8.0*	8.0	4 42 46.218	+4.0283	+0.0178	.....	+37 9 32.60	+6.628	-0.558	.....	2	8.06

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
961	B. D. +21°707.....	6.9	6.9	4 42 47.346	+3.5600	+0.0107	.....	+21 8 20.40	+6.627	-0.493	.....	4	4.70
962	B. D. +18°734.....	6.8	6.8	42 50.794	3.4955	0.0100	+0.0131	+18 32 33.02	6.622	0.484	-0.399	4	4.61
963	B. D. +23°747.....	8.6*	8.6	43 45.679	3.6143	0.0113	.....	+23 13 20.10	6.546	0.501	.....	4	4.77
964	B. D. +15°687.....	6.3	6.3	44 0.758	3.4282	0.0091	+0.0007	+15 43 47.65	6.526	0.476	-0.014	4	4.74
965	9 Camelopardalis.....	4.4	7.3	4 44 6.296	+5.9342	+0.0677	+0.0012	+66 10 22.90	+6.518	-0.821	+0.005	12	5.40
966	9 Camelopardalis s. p. ...	4.4	7.3	4 44 6.381	+5.9342	+0.0677	+0.0012	+66 10 22.96	+6.518	-0.821	+0.005	11	6.98
967	Orionis.....	3.3	8.2	44 24.874	3.2228	0.0070	+0.0316	+ 6 47 13.22	6.493	0.447	+0.020	40 39	7.41 7.50
968	B. D. +16°657.....	7.2	7.2	44 36.795	3.4598	0.0094	.....	+17 1 49.82	6.475	0.480	.....	4	4.69
969	i Tauri.....	5.1	8.0	45 31.396	3.5003	0.0097	+0.0059	+18 40 11.30	6.400	0.487	-0.036	15	6.69
970	Orionis.....	3.8	8.7	4 45 52.717	+3.1929	+0.0067	-0.0003	+ 5 26 3.82	+6.371	-0.444	-0.006	12 11	6.54 6.70
971*	B. D. +27°701.....	5.9	8.8	4 46 32.197	+3.7391	+0.0125	+0.0033	+27 43 48.58	+6.316	-0.520	-0.036	4	4.67
972	B. D. +26°759.....	7.8	7.8	46 46.748	3.7080	0.0121	.....	+26 36 40.62	6.296	0.516	.....	4	4.73
973	Orionis.....	5.2	8.1	46 52.450	3.3907	0.0084	0.0000	+14 5 2.68	6.288	0.472	-0.059	11 10	7.24 7.39
974	B. D. +39°1096.....	8.4*	8.4	47 2.025	4.1314	0.0185	.....	+39 50 23.35	6.275	0.575	.....	2	8.04
975	B. D. +25°746.....	7.2	7.2	4 47 28.695	+3.6700	+0.0115	.....	+25 12 2.32	+6.238	-0.511	.....	4	4.68
976*	B. D. +23°757.....	6.6	6.6	4 47 32.002	+3.6154	+0.0108	-0.0018	+23 8 58.45	+6.234	-0.504	-0.001	4	4.70
977	B. D. +39°1105.....	8.5*	8.5	48 13.455	4.1295	0.0182	.....	+39 44 31.45	6.176	0.576	.....	2	8.06
978	B. D. +20°840.....	8.6*	8.6	48 47.969	3.5592	0.0100	.....	+20 56 13.82	6.128	0.497	.....	4	4.70
979	Orionis.....	3.9	8.8	49 2.484	3.1230	0.0060	-0.0002	+ 2 16 37.86	6.108	0.436	-0.003	39 37	7.18 7.31
980*	B. D. +19°811.....	6.2	6.2	4 49 5.544	+3.5187	+0.0096	+0.0078	+19 19 24.72	+6.104	-0.491	-0.048	4	4.70
981	B. D. +20°846.....	8.5	8.5	4 49 16.834	+3.5396	+0.0098	.....	+20 9 7.92	+6.088	-0.494	.....	4	4.68
982	Orionis.....	4.7	7.6	49 23.414	3.2967	0.0074	+0.0037	+ 9 59 30.43	6.079	0.461	-0.134	11	7.25
983	B. D. +22°776.....	7.4	7.4	50 6.017	3.5982	0.0103	.....	+22 25 3.92	6.020	0.503	.....	4	4.79
984	B. D. +24°709.....	6.3	6.3	50 10.000	3.6515	0.0109	-0.0004	+24 25 57.78	6.014	0.510	-0.031	4	4.68
985	Aurigæ.....	2.9	7.8	4 50 28.786	+3.9009	+0.0141	+0.0007	+33 0 28.50	+5.988	-0.545	-0.027	10	7.17
986	B. D. +39°1122.....	7.3	7.3	4 51 17.605	+4.1401	+0.0176	.....	+39 54 11.20	+5.920	-0.579	.....	2	8.04
987	B. D. +16°672.....	5.7	8.6	51 35.673	3.4628	0.0087	-0.0005	+16 59 49.00	5.895	0.485	-0.019	4	4.66
988	B. D. +23°777.....	6.0	8.9	51 44.516	3.6356	0.0105	+0.0004	+23 47 33.60	5.883	0.509	-0.025	4	4.75
989	k Tauri.....	5.6	8.5	52 2.100	3.6655	0.0109	+0.0022	+24 53 46.01	5.858	0.514	-0.060	15 14	6.17 6.20
990	57 H ¹ . Camelopardalis.....	6.0	8.9	4 52 3.083	+7.5062	+0.1213	.....	+73 55 9.97	+5.857	-1.049	.....	10 11	8.33 8.30
991	57 H ¹ . Camelopardalis s.p. ...	6.0	8.9	4 52 3.118	+7.5062	+0.1213	.....	+73 55 10.03	+5.857	-1.049	.....	12	7.64
992	B. D. +18°765.....	8.8*	8.8	52 30.054	3.5087	0.0091	.....	+18 50 20.10	5.819	0.492	.....	4	4.68
993	B. D. +25°766.....	8.0*	8.0	53 27.516	3.6908	0.0110	.....	+25 47 9.60	5.739	0.518	.....	4	4.68
994	B. D. +39°1134.....	6.7	6.7	53 29.543	4.1281	0.0169	+0.0003	+39 30 12.90	5.736	0.580	+0.009	2	8.06
995	B. D. +27°716.....	6.6	6.6	4 53 40.042	+3.7299	+0.0114	.....	+27 10 28.58	+5.722	-0.524	.....	4	4.72
996	B. D. +15°713.....	6.7	6.7	4 53 59.943	+3.4341	+0.0082	+0.0068	+15 45 58.42	+5.694	-0.482	-0.034	4	4.68
997	10 Camelopardalis.....	4.2	7.1	54 31.184	5.3201	0.0408	+0.0003	+60 17 46.18	5.650	0.747	-0.013	12	5.48
998	ε Aurigæ.....	var.	8.1	54 47.458	4.2971	0.0192	+0.0005	+43 40 32.05	5.627	0.604	-0.013	10	7.74
999	B. D. +40°1135.....	9.5*	9.5	54 50.208	4.1897	0.0175	.....	+41 3 20.45	5.623	0.589	.....	2	7.75
1000	B. D. +29°784.....	8.2*	8.2	4 54 50.288	+3.7889	+0.0120	.....	+29 11 11.02	+5.623	-0.532	.....	4	4.67
1001	B. D. +22°800.....	8.7*	8.7	4 55 27.702	+3.6161	+0.0098	.....	+22 57 25.10	+5.571	-0.509	.....	4	4.77
1002	ζ Aurigæ.....	3.9	8.8	55 29.199	4.1856	0.0173	+0.0010	+40 55 48.07	5.569	0.589	-0.030	10	8.06
1003	B. D. +19°839.....	8.8*	8.8	55 59.214	3.5354	0.0085	.....	+19 49 11.08	5.527	0.498	.....	4	4.68
1004	157 H ¹ . Cephei.....	6.5	6.5	56 18.26	20.697	1.399	+0.030	+85 49 45.74	5.500	2.904	-0.067	9 10	7.35 7.08
1005	157 H ¹ . Cephei s. p.	6.5	6.5	4 56 18.09	+20.697	+1.399	+0.030	+85 49 45.67	+5.500	-2.904	-0.067	10 9	7.07 6.93
1006	B. D. +39°1152.....	7.9	7.9	4 56 31.718	+4.1485	+0.0165	.....	+39 55 57.45	+5.481	-0.584	.....	2	8.04
1007	ε Tauri.....	4.7	7.6	57 7.045	3.5777	0.0093	+0.0048	+21 26 50.14	5.432	0.504	-0.047	51 44	7.09 6.99
1008	B. D. +24°739.....	8.0*	8.0	57 43.773	3.6681	0.0101	.....	+24 50 1.08	5.380	0.518	.....	4	4.72
1009*	B. D. +27°723.....	6.5	6.5	58 22.727	3.7447	0.0108	-0.0001	+27 33 23.78	5.325	0.528	-0.075	4	4.77
1010*	B. D. +21°755.....	6.3	6.3	4 58 23.968	+3.5705	+0.0090	+0.0028	+21 8 16.42	+5.324	-0.504	-0.034	4	4.68
1011	Orionis.....	4.6	7.5	4 58 51.228	+3.4242	+0.0077	+0.0013	+15 15 53.78	+5.285	-0.484	-0.036	41 39	7.34 7.37
1012	B. D. +17°832.....	8.8*	8.8	59 5.157	3.4825	0.0082	.....	+17 38 37.40	5.266	0.492	.....	4	4.68
1013	η Aurigæ.....	3.3	8.2	59 30.029	4.1978	0.0164	+0.0027	+41 5 57.40	5.231	0.593	-0.075	10	7.46
1014	B. D. +39°1169.....	7.8	7.8	59 31.117	4.1511	0.0159	.....	+39 54 3.20	5.229	0.587	.....	2	8.06
1015*	B. D. +22°818.....	6.7	6.7	4 59 35.435	+3.6180	+0.0094	+0.0051	+22 55 24.02	+5.223	-0.512	+0.009	4	4.76
1016*	B. D. +19°847.....	6.5	6.5	4 59 38.337	+3.5336	+0.0085	-0.0036	+19 40 9.32	+5.219	-0.500	-0.018	4	4.74
1017*	B. D. +26°783.....	6.6	6.6	4 59 41.909	3.7099	0.0103	+0.0016	+26 17 34.15	5.214	0.525	-0.021	4	4.72
1018	ε Leporis.....	3.3	8.2	5 1 13.671	2.5367	0.0032	+0.0019	-22 30 19.48	5.085	0.360	-0.067	12	8.34
1019	B. D. +16°697.....	8.1*	8.1	1 14.677	3.4601	0.0077	.....	+16 41 40.70	5.083	0.490	.....	4	4.77
1020	B. D. +18°779.....	5.0	7.9	5 1 32.431	+3.5053	+0.0081	+0.0380	+18 30 40.10	+5.058	-0.496	+0.011	4	4.68
1021	B. D. +39°1183.....	8.0*	8.0	5 1 33.998	+4.1476	+0.0153	.....	+39 44 25.45	+5.056	-0.588	.....	2	8.04
1022	B. D. +20°885.....	5.3	8.2	1 53.234	3.5506	0.0085	-0.0030	+20 17 11.68	5.029	0.503	-0.050	4	4.69
1023	B. D. +21°766.....	6.0	8.9	1 56.596	3.5839	0.0087	+0.0004	+21 34 21.30	5.024	0.508	-0.016	4	4.74
1024	B. D. +24°755.....	5.5	8.4	2 0.915	3.6520	0.0094	+0.0002	+24 7 59.68	5.018	0.518	-0.011	4	4.80
1025	β Eridani.....	2.9	7.8	5 2 55.933	+2.9541	+0.0044	-0.0059	- 5 12 56.26	+4.940	-0.420	-0.079	43 40	7.50 7.53

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1026	B. D. +19°853.....	6.6	6.6	5 25 26.276	+3.5369	+0.0082	+0.0003	+19 43 48.70	+4.940	-0.502	-0.018	4	4.78
1027	B. D. +29°822.....	6.6	6.6	3 21 57.4	3.8106	0.0108	.....	+29 40 12.05	4.904	0.541	.....	4	4.72
1028	B. D. +41°1091.....	9.2*	9.2	3 28 17.0	4.2054	0.0155	.....	+41 9 44.45	4.895	0.597	.....	2	7.75
1029	B. D. +27°732.....	6.0	6.0	3 28 30.1	3.7587	0.0102	.....	+27 54 12.70	4.895	0.534	.....	4	4.75
1030	B. D. +15°752.....	4.9	7.8	5 35 48.445	+3.4312	+0.0072	+0.0003	+15 28 10.75	+4.852	-0.488	-0.010	4	4.66
1031	λ Eridani.....	4.3	7.2	5 42 21.618	+2.8696	+0.0040	+0.0002	- 8 52 55.73	+4.819	-0.408	-0.008	10 9	6.70 6.91
1032	B. D. +24°772.....	8.5	8.5	4 36 42.4	3.6780	0.0093	.....	+25 1 14.38	4.798	0.523	.....	4	4.71
1033	B. D. +37°1076.....	7.8*	7.8	4 47 00.7	4.0566	0.0134	.....	+37 10 34.85	4.783	0.576	.....	2	8.06
1034	B. D. +23°872.....	9.0*	9.0	4 55 89.1	3.6256	0.0088	.....	+23 4 58.52	4.771	0.515	.....	4	4.77
1035	B. D. +15°759.....	5.4	8.3	5 55 56.847	+3.4430	+0.0071	+0.0002	+15 55 20.42	+4.684	-0.490	+0.002	4	4.80
1036	19 H. Camelopardalis.....	5.2	8.1	5 6 40.015	+9.8320	+0.1975	-0.0281	+79 7 0.20	+4.674	-1.396	+0.155	12	5.43
1037	19 H. Camelopardalis s.p.	5.2	8.1	6 4 07.2	9.8320	0.1975	-0.0281	+79 7 0.40	4.674	1.396	+0.155	11	7.54
1038	B. D. +26°796.....	6.8	6.8	6 9 92.7	3.7157	0.0094	.....	+26 20 10.98	4.666	0.529	.....	4	4.72
1039	B. D. +37°1091.....	6.5	6.5	6 31 90.2	4.0600	0.0130	.....	+37 13 12.35	4.634	0.578	.....	2	8.04
1040	μ Aurigæ.....	4.8	7.7	5 6 35.006	+4.1017	+0.0134	-0.0015	+38 21 57.44	+4.630	-0.584	-0.074	10	7.24
1041	B. D. +17°867.....	8.5*	8.5	5 6 42.304	+3.4722	+0.0073	.....	+17 5 32.18	+4.620	-0.494	.....	4	4.68
1042	B. D. +21°796.....	7.7*	7.7	8 7 75.3	3.5751	0.0079	.....	+21 6 21.35	4.499	0.510	.....	4	4.67
1043	μ Leporis.....	3.3	8.2	8 26 36.0	2.6908	0.0034	+0.0028	-16 19 25.11	4.472	0.384	-0.028	10	6.73
1044	B. D. +19°876.....	7.7	7.7	9 16 20.9	3.5454	0.0076	.....	+19 56 30.92	4.401	0.506	.....	4	4.76
1045	α Aurigæ.....	0.2	8.1	5 9 18.090	+4.4177	+0.0168	+0.0082	+45 53 44.46	+4.399	-0.630	-0.429	10	7.60
1046	B. D. +22°864.....	6.2	6.2	5 9 26.914	+3.6037	+0.0080	-0.0003	+22 10 13.62	+4.386	-0.514	-0.015	4	4.71
1047	β Orionis.....	0.3	8.2	9 43 91.0	2.8816	0.0039	+0.0001	- 8 19 1.02	4.362	0.412	-0.001	48 44	7.65 7.74
1048	B. D. +18°806.....	8.8*	8.8	9 57 94.4	3.5095	0.0072	.....	+18 31 29.75	4.342	0.501	.....	4	4.78
1049	B. D. +39°1236.....	7.3	7.3	10 17 47.5	4.1426	0.0131	.....	+39 21 7.95	4.314	0.592	.....	2	8.06
1050	B. D. +27°744.....	9.0*	9.0	5 10 36.354	+3.7550	+0.0090	.....	+27 36 21.98	+4.287	-0.536	.....	4	4.73
1051*	B. D. +28°772.....	6.9	6.9	5 10 55.961	+3.7901	+0.0094	-0.0018	+28 47 39.82	+4.259	-0.542	-0.040	4	4.80
1052	B. D. +23°888.....	6.9	6.9	11 26 36.3	3.6514	0.0081	.....	+23 54 6.92	4.216	0.522	.....	4	4.68
1053	λ Aurigæ.....	4.8	7.7	12 6 66.0	4.1698	0.0129	+0.0461	+40 0 32.62	4.159	0.597	-0.656	10	7.21
1054	B. D. +21°813.....	7.8*	7.8	12 32 00.2	3.5924	0.0075	.....	+21 41 7.15	4.122	0.514	.....	4	4.70
1055	τ Orionis.....	3.7	8.6	5 12 45.005	+2.9128	+0.0039	-0.0011	- 6 57 8.06	+4.104	-0.417	-0.007	45 42	7.06 7.10
1056	B. D. +21°816.....	5.1	8.0	5 13 16.016	+3.6009	+0.0075	+0.0021	+21 59 35.35	+4.060	-0.516	-0.089	4	4.76
1057	B. D. +19°893.....	6.2	6.2	13 19 63.7	3.5495	0.0071	-0.0027	+20 1 47.65	4.054	0.508	-0.029	4	4.71
1058	B. D. +26°805.....	9.0*	9.0	13 34 77.6	3.7152	0.0083	.....	+26 9 16.90	4.033	0.526	.....	4	4.75
1059	ο Columbae.....	4.9	7.8	13 52 70.9	2.1556	0.0031	+0.0065	-34 59 36.65	4.007	0.310	-0.346	10	6.97
1060	B. D. +25°818.....	8.4	8.4	5 14 9.101	+3.6850	+0.0080	.....	+25 4 6.18	+3.984	-0.528	.....	4	4.78
1061*	B. D. +19°898.....	6.8	6.8	5 14 24.344	+3.5356	+0.0069	-0.0005	+19 28 32.55	+3.962	-0.507	-0.008	4	4.68
1062	B. D. +27°758.....	6.3	6.3	14 42 49.3	3.7649	0.0085	-0.0019	+27 51 21.98	3.936	0.540	-0.030	4	4.80
1063	B. D. +29°869.....	5.7	8.6	14 50 91.6	3.8129	0.0089	+0.0002	+29 28 6.70	3.924	0.547	+0.001	4	4.74
1064	λ Leporis.....	4.3	7.2	14 58 06.2	2.7630	0.0034	0.0000	-13 16 47.50	3.914	0.397	+0.003	10	6.46
1065*	B. D. +19°902.....	6.4	6.4	5 15 2.092	+3.5420	+0.0068	+0.0025	+19 42 47.52	+3.908	-0.508	-0.024	4	4.76
1066	12 G. Columbae.....	5.8	5.8	5 15 24.509	+2.3906	+0.0030	-0.0008	-27 28 17.34	+3.876	-0.343	-0.014	10	7.18
1067	B. D. +37°1160.....	7.4	7.4	15 46 47.1	4.0816	0.0112	.....	+37 34 39.35	3.845	0.585	.....	2	8.06
1068	B. D. +18°831.....	7.5*	7.5	15 47 66.9	3.5191	0.0066	.....	+18 48 27.02	3.843	0.505	.....	4	4.77
1069	ο Orionis.....	4.6	7.5	16 39 37.8	3.0613	0.0042	-0.0003	- 0 28 51.38	3.769	0.440	-0.003	9	6.24
1070	B. D. +37°1169.....	8.1*	8.1	5 16 55.708	+4.0651	+0.0127	.....	+37 5 39.00	+3.745	-0.584	.....	2	8.04
1071	B. D. +28°788.....	6.4	6.4	5 17 2.772	+3.7954	+0.0084	+0.0019	+28 50 29.48	+3.735	-0.546	-0.030	4	4.73
1072	B. D. +16°765.....	6.1	6.1	17 51 15.2	3.4642	0.0061	-0.0018	+16 36 17.78	3.666	0.498	-0.029	4	4.68
1073*	B. D. +31°954.....	6.4	6.4	18 11 57.2	3.8661	0.0088	-0.0017	+31 7 51.40	3.637	0.556	-0.005	4	4.78
1074	B. D. +31°955.....	5.9	8.8	18 11 77.1	3.8636	0.0088	-0.0009	+31 3 0.45	3.636	0.555	-0.009	4	4.75
1075	B. D. +17°920.....	5.1	8.0	5 18 35.318	+3.4816	+0.0061	+0.0171	+17 17 26.38	+3.603	-0.501	-0.010	4	4.80
1076	B. D. +23°909.....	9.0*	9.0	5 18 43.818	+3.6439	+0.0071	.....	+23 29 44.18	+3.590	-0.524	.....	4	4.74
1077	B. D. +20°948.....	6.8	6.8	19 13 63.2	3.5639	0.0065	.....	+20 29 32.85	3.548	0.513	.....	4	4.71
1078	η Orionis (brighter).....	3.8	8.7	19 26 88.3	3.0152	0.0039	.....	- 2 29 20.54	3.529	0.434	.....	5	4.78
1079	η Orionis (mean).....	3.4	8.3	19 26 86.3	3.0152	0.0039	+0.0004	- 2 29 20.32	3.529	0.434	+0.001	6	7.79
1080	25 Orionis.....	4.7	7.6	5 19 33.323	+3.1126	+0.0042	-0.0007	+ 1 45 18.32	+3.519	-0.448	-0.018	10	7.37
1081	γ Orionis.....	1.7	6.6	5 19 46.002	+3.2167	+0.0046	-0.0005	+ 6 15 33.74	+3.501	-0.463	-0.019	172 174	9.84 9.81
1082	B. D. +25°828.....	8.0*	8.0	19 50 99.8	3.7048	0.0074	.....	+25 40 12.22	3.494	0.533	.....	4	4.68
1083	β Tauri.....	1.8	6.7	19 58 19.5	3.7876	0.0079	+0.0024	+28 31 22.02	3.484	0.545	-0.177	46 43	7.07 7.06
1084	B. D. +16°775.....	6.2	6.2	20 18 91.4	3.4651	0.0058	-0.0003	+16 36 41.18	3.454	0.500	-0.008	4	4.80
1085	17 Camelopardalis.....	5.8	8.7	5 20 43.367	+5.6550	+0.0297	+0.0008	+62 59 1.74	+3.419	-0.814	-0.001	10	7.48
1086	B. D. +27°771.....	7.8*	7.8	5 20 44.865	+3.7586	+0.0076	.....	+27 31 24.35	+3.417	-0.541	.....	4	4.80
1087	B. D. +37°1196.....	8.7*	8.7	20 54 30.6	4.0878	0.0101	.....	+37 37 52.45	3.403	0.589	.....	2	8.06
1088	B. D. +17°928.....	5.3	8.2	21 20 01.8	3.4973	0.0059	+0.0006	+17 52 35.02	3.366	0.505	-0.014	4	4.74
1089	B. D. +21°847.....	4.8	7.7	21 37 61.9	3.6008	0.0064	+0.0008	+21 51 5.78	3.341	0.519	-0.013	4	4.77
1090*	B. D. +15°824.....	7.7*	7.7	5 21 44.876	+3.4491	+0.0056	-0.0041	+15 57 17.32	+3.330	-0.497	+0.038	4	4.69

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Obser- vations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1091	B. D. +23°916.....	7.8*	7.8	5 21 51.295	+3.6375	+0.0067	.....	+23 12 34.00	+3.321	-0.524	.....	4	4.70
1092	B. D. +15°826.....	5.5	8.4	22 0 7.85	3.4451	0.0055	+0.0006	+15 47 22.92	3.307	0.497	-0.030	4	4.78
1093*	B. D. +17°931.....	6.0	6.0	22 13.271	3.4793	0.0057	+0.0018	+17 9 21.88	3.290	0.501	-0.078	4	4.80
1094*	B. D. +16°782.....	7.1	7.1	22 23.273	3.4593	0.0056	-0.0027	+16 21 23.72	3.275	0.499	-0.069	4	4.80
1095	B. D. +25°839 (<i>north</i>)..	5.9	8.8	5 23 7.094	+3.6894	+0.0068	+0.0015	+25 4 10.60	+3.212	-0.533	-0.034	4	4.68
1096*	B. D. +18°862.....	6.6	6.6	5 23 28.116	+3.5083	+0.0057	+0.0004	+18 17 4.38	+3.182	-0.506	-0.034	4	4.68
1097	β Leporis.....	3.0	7.9	23 57.621	2.5699	0.0029	+0.0004	-20 50 20.38	3.139	0.371	-0.094	15	5.53
1098	18 Camelopardalis.....	6.5	6.5	23 59.853	5.1167	0.0199	+0.0170	+57 9 0.44	3.136	0.738	-0.214	11 12	6.95 6.77
1099	B. D. +21°865.....	8.8*	8.8	24 8.701	3.5871	0.0061	.....	+21 18 5.22	3.123	0.518	.....	4	4.77
1100	B. D. +19°946.....	8.1*	8.1	5 25 52.057	+3.5397	+0.0056	.....	+19 28 33.25	+2.974	-0.512	.....	4	4.70
1101	B. D. +29°923.....	7.8*	7.8	5 25 53.060	+3.8086	+0.0071	.....	+29 7 16.92	+2.973	-0.550	.....	4	4.81
1102	B. D. +26°835.....	7.1	7.1	26 12.880	3.7432	0.0066	.....	+26 54 28.30	2.944	0.541	.....	4	4.80
1103	γ Aurigæ.....	4.9	7.8	26 13.069	3.9022	0.0076	+0.0005	+32 7 5.72	2.944	0.564	-0.016	10	7.04
1104	74 B. Camelopardalis.....	6.4	6.4	26 20.924	7.9988	0.0701	-0.0009	+74 58 40.44	2.933	1.154	+0.019	10	7.48
1105	74 B. Camelopardalis s. p.	6.4	6.4	5 26 20.949	+7.9988	+0.0701	-0.0009	+74 58 40.26	+2.933	-1.154	+0.019	22 21	5.03 5.06
1106	B. D. +18°875.....	4.7	7.6	5 26 20.951	+3.5152	+0.0054	+0.0007	+18 31 12.38	+2.933	-0.508	-0.009	4	4.80
1107	B. D. +16°794 (<i>pr.</i>)....	6.1	9.0	26 26.256	3.7462	0.0053	-0.0002	+16 59 3.45	2.925	0.502	-0.009	4	4.75
1108	δ Orionis.....	2.5	7.4	26 53.832	3.0637	0.0037	+0.0001	- 0 22 22.46	2.885	0.443	-0.003	198 186	9.49 9.62
1109	19 Camelopardalis.....	6.0	6.0	27 34.267	5.7958	0.0262	+0.0020	+64 5 22.43	2.827	-0.838	-0.068	11	8.10
1110	B. D. +18°877.....	5.5	8.4	5 27 39.941	+3.5143	+0.0053	+0.0007	+18 28 8.82	+2.819	-0.509	-0.006	4	4.82
1111*	B. D. +20°989.....	6.1	6.1	5 27 42.090	+3.5645	+0.0055	-0.0001	+20 24 12.50	+2.816	-0.516	-0.013	4	4.83
1112	α Leporis.....	2.7	7.6	28 19.164	2.6450	0.0029	+0.0001	-17 53 36.95	2.762	0.383	+0.003	49 43	8.18 8.32
1113	B. D. +22°949.....	8.4*	8.4	28 53.665	3.6208	0.0057	.....	+22 30 4.02	2.713	0.524	.....	4	4.70
1114	φ^1 Orionis.....	4.5	7.4	29 19.782	3.2921	0.0042	-0.0001	+ 9 25 19.51	2.675	0.477	-0.008	10	8.41
1115	B. D. +23°954.....	5.3	8.2	5 29 20.596	+3.6613	+0.0057	+0.0005	+23 58 23.72	+2.674	-0.530	-0.031	4	4.81
1116*	B. D. +27°806.....	6.5	6.5	5 29 38.860	+3.7648	+0.0062	-0.0013	+27 35 50.15	+2.647	-0.545	-0.076	4	4.80
1117	B. D. +24°873.....	8.4*	8.4	29 50.011	3.6813	0.0058	.....	+24 41 0.65	2.631	0.533	.....	4	4.80
1118	158 H ¹ . Cephei.....	6.4	6.4	29 54.75	18.678	0.511	+0.016	+85 8 49.99	2.625	2.700	+0.004	21 20	8.52 8.39
1119	158 H ¹ . Cephei s. p.	6.4	6.4	29 54.72	18.678	0.511	+0.016	+85 8 49.83	2.625	2.700	+0.004	17 18	8.47 8.42
1120	B. D. +25°879.....	6.3	6.3	5 30 18.268	+3.7151	+0.0059	.....	+25 52 29.95	+2.590	-0.538	.....	4	4.75
1121	θ^1 Orionis.....	5.4	8.3	5 30 21.699	+2.9458	+0.0032	+0.0002	- 5 27 19.52	+2.585	-0.427	+0.004	10	8.21
1122	θ^2 Orionis.....	5.4	8.3	30 28.200	2.9452	0.0032	+0.0009	- 5 28 53.73	2.576	0.427	+0.015	10 9	8.40 8.36
1123	ϵ Orionis.....	2.9	7.8	30 32.460	2.9336	0.0032	+0.0002	- 5 53 30.66	2.570	0.425	-0.004	45 41	8.50 8.60
1124	22 Camelopardalis.....	6.9	6.9	30 38.517	5.0601	0.0158	+0.0046	+56 18 9.27	2.561	0.732	-0.134	10	7.88
1125	B. D. +26°870 (<i>mean</i>)..	5.7	5.7	5 30 54.095	+3.7438	+0.0060	+0.0010	+26 51 43.35	+2.538	-0.542	-0.030	4	4.82
1126	ϵ Orionis.....	1.8	6.7	5 31 8.331	+3.0430	+0.0034	0.0000	- 1 15 55.84	+2.518	-0.441	-0.002	38 39	9.05 9.07
1127	B. D. +16°821.....	10.3*	10.3	31 9.527	3.4738	0.0048	.....	+16 50 44.72	2.516	0.504	.....	4	10.15
1128	B. D. +16°822.....	5.4	8.3	31 15.467	3.4772	0.0048	+0.0038	+16 58 43.38	2.508	0.504	-0.035	4	4.83
1129	B. D. +19°986.....	8.7*	8.7	31 39.378	3.5477	0.0050	.....	+19 43 6.08	2.473	0.514	.....	4	4.70
1130	ζ Tauri.....	3.0	7.9	5 31 40.063	+3.5836	+0.0051	+0.0002	+21 4 54.21	+2.472	-0.520	-0.028	47 45	7.69 7.68
1131	B. D. +30°963.....	5.5	8.4	5 32 12.725	+3.8517	+0.0063	-0.0010	+30 25 59.50	+2.425	-0.558	-0.009	4	4.80
1132*	B. D. +29°947.....	6.0	6.0	32 56.733	3.8128	0.0060	+0.0012	+29 9 27.48	2.361	0.553	-0.010	4	4.80
1133	B. D. +25°902.....	5.0	7.9	33 32.294	3.7153	0.0054	+0.0023	+25 50 28.08	2.309	0.539	-0.031	4	4.77
1134	σ Orionis.....	3.8	8.7	33 43.509	3.0107	0.0032	0.0000	- 2 39 27.43	2.293	0.437	+0.001	9	6.60
1135	23 Camelopardalis.....	6.4	6.4	5 34 56.601	+5.5117	+0.0177	+0.0003	+61 25 36.87	+2.187	-0.800	0.000	10	5.78
1136	B. D. +19°1014.....	8.2	8.2	5 35 15.811	+3.5562	+0.0046	.....	+20 0 35.85	+2.160	-0.516	.....	4	4.82
1137	B. D. +16°841.....	4.9	7.8	35 30.872	3.4655	0.0042	+0.0009	+16 28 56.12	2.138	0.504	-0.028	4	4.83
1138	B. D. +17°979.....	7.7*	7.7	35 33.341	3.4906	0.0043	.....	+17 28 12.98	2.134	0.507	.....	4	4.83
1139	ζ Orionis.....	2.0	6.9	35 42.740	3.0260	0.0032	+0.0005	- 1 59 42.48	2.120	0.440	-0.007	189 186	9.79 9.84
1140	B. D. +24°920.....	7.8*	7.8	5 35 49.762	+3.6715	+0.0049	.....	+24 16 2.98	+2.110	-0.533	.....	4	4.81
1141*	B. D. +22°996.....	6.5	6.5	5 36 1.157	+3.6259	+0.0048	-0.0020	+22 36 37.00	+2.094	-0.527	+0.018	4	4.85
1142	α Columbae.....	2.8	7.7	36 1.610	2.1715	0.0027	+0.0003	-34 7 37.94	2.093	0.316	-0.035	12 11	7.47 7.63
1143*	B. D. +18°920.....	7.5	7.5	36 35.649	3.5285	0.0043	+0.0023	+18 56 19.32	2.044	0.512	-0.007	4	4.80
1144	B. D. +18°923.....	6.7	6.7	37 0.641	3.5284	0.0043	-0.0003	+18 55 55.52	2.008	0.512	-0.006	4	4.78
1145*	B. D. +23°1015.....	6.1	9.0	5 37 15.104	+3.6411	+0.0047	+0.0011	+23 9 25.45	+1.986	-0.529	-0.042	4	4.82
1146	B. D. +21°946.....	8.4*	8.4	5 37 22.418	+3.5927	+0.0044	.....	+21 22 9.32	+1.975	-0.522	.....	4	4.84
1147	B. D. +27°849.....	7.8*	7.8	38 3.872	3.7704	0.0050	.....	+27 41 9.65	1.916	0.548	.....	4	4.83
1148	σ Aurigæ.....	5.5	8.4	38 9.127	4.6457	0.0092	-0.0003	+49 46 57.74	1.908	0.675	-0.008	7	5.39
1149	B. D. +26°937.....	7.2	7.2	38 42.332	3.7300	0.0047	.....	+26 17 55.12	1.860	0.542	.....	4	4.81
1150	B. D. +16°855.....	6.8	6.8	5 39 7.524	+3.4550	+0.0038	+0.0007	+16 2 34.65	+1.823	-0.503	-0.014	4	4.85
1151	γ Leporis.....	3.8	8.7	5 40 17.498	+2.5213	+0.0025	-0.0201	-22 28 52.85	+1.722	-0.367	-0.376	10	6.90
1152	B. D. +20°1093.....	7.9	7.9	40 49.699	3.5606	0.0039	.....	+20 8 5.02	1.675	0.518	.....	4	4.80
1153	B. D. +15°926.....	5.9	8.8	41 0.387	3.4488	0.0036	+0.0007	+15 47 0.92	1.660	0.502	-0.010	4	4.78
1154	B. D. +22°1031.....	8.2*	8.2	41 12.548	3.6238	0.0041	.....	+22 29 28.55	1.642	0.527	.....	4	4.82
1155	B. D. +25°978.....	6.6	6.6	5 41 23.549	+3.7086	+0.0043	.....	+25 31 52.90	+1.626	-0.539	.....	4	4.83

1095. Comp., 6m.6, 4"9, 200°.

1107. Comp., 6m.4, 9"6, 140°.

1125. Double, 6m.4, 6m.5, 0"8, 350°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1156	130 Tauri.....	5.5	8.4	5 41 36.284	+3.4973	+0.0037	+0.0002	+17 41 30.50	+1.607	-0.509	-0.010	14	6.58
1157*	B. D.+20°1100.....	8.0*	8.0	41 40.226	3.5812	0.0039	-0.0021	+20 54 16.70	1.601	0.522	-0.019	4	4.81
1158	B. D.+24°963.....	7.2	7.2	41 47.549	3.6837	0.0041	+0.0002	+24 39 1.92	1.591	0.536	-0.028	4	4.85
1159	B. D.+39°1416.....	6.9	6.9	41 54.484	4.1705	0.0058	-0.0003	+39 29 55.80	1.582	0.607	-0.024	2	8.04
1160	ζ Leporis.....	3.7	8.6	5 42 25.454	+2.7188	+0.0025	-0.0012	-14 51 32.33	+1.536	-0.396	+0.002	10	7.06
1161	B. D.+24°970.....	5.0	7.9	5 42 52.677	+3.6807	+0.0040	+0.0003	+24 32 2.82	+1.496	-0.536	-0.036	4	4.80
1162	B. D.+29°1009.....	7.8	7.8	42 53.813	3.8323	0.0044	.....	+29 41 35.75	1.494	0.558	.....	4	4.74
1163	κ Orionis.....	2.2	7.1	43 0.818	2.8444	0.0026	+0.0002	- 9 42 17.78	1.484	0.414	-0.005	200 198	9.57 9.59
1164	B. D.+19°1089.....	7.8*	7.8	44 14.762	3.5350	0.0035	.....	+19 8 7.22	1.377	0.515	.....	4	4.82
1165	ν Aurigæ.....	4.2	7.1	5 44 33.499	+4.1567	+0.0051	-0.0004	+39 7 9.75	+1.350	-0.605	+0.006	12	5.48
1166	B. D.+27°888.....	5.6	5.6	5 44 39.931	+3.7795	+0.0040	-0.0007	+27 56 17.05	+1.340	-0.550	0.000	4	4.83
1167*	B. D.+23°1087.....	7.0	7.0	45 45.722	3.6484	0.0035	-0.0002	+23 21 22.58	1.244	0.531	-0.031	4	4.83
1168	B. D.+16°893.....	8.9*	8.9	45 55.900	3.4749	0.0032	.....	+16 47 38.30	1.230	0.507	.....	5	10.16
1169	ξ Aurigæ.....	4.9	7.8	46 27.874	5.0269	0.0077	-0.0009	+55 41 1.80	1.183	0.734	+0.012	10	6.98
1170*	B. D.+19°1110.....	6.0	6.0	5 46 27.896	+3.5538	+0.0032	-0.0008	+19 50 32.55	+1.183	-0.517	-0.031	4	4.81
1171	B. D.+36°1282.....	7.4	7.4	5 46 51.851	+4.0456	+0.0042	.....	+36 6 25.35	+1.148	-0.590	.....	2	8.04
1172	B. D.+26°985.....	8.1*	8.1	46 52.379	3.7353	0.0035	.....	+26 25 17.12	1.148	0.544	.....	4	4.85
1173	δ Leporis.....	3.9	8.8	47 1.347	2.5632	0.0024	+0.0172	-20 53 18.49	1.135	0.374	-0.653	10	6.30
1174	B. D.+27°899.....	4.5	7.4	47 2.473	3.7696	0.0036	+0.0009	+27 35 19.75	1.133	0.550	-0.018	4	4.80
1175	B. D.+22°1080.....	8.6*	8.6	5 47 18.033	+3.6129	+0.0033	.....	+22 3 2.52	+1.110	-0.526	.....	4	4.78
1176*	B. D.+25°1020.....	7.7	7.7	5 47 20.526	+3.6960	+0.0034	-0.0022	+25 3 1.35	+1.107	-0.539	-0.018	4	4.82
1177*	B. D.+20°1156.....	6.6	6.6	47 22.332	3.5653	0.0032	+0.0023	+20 16 33.90	1.104	0.519	-0.058	4	4.83
1178	B. D.+20°1162.....	4.6	7.5	48 27.564	3.5650	0.0030	-0.0132	+20 15 27.62	1.009	0.520	-0.094	4	4.83
1179	B. D.+19°1126.....	5.9	8.8	49 1.439	3.5511	0.0029	+0.0001	+19 43 49.55	0.960	0.518	-0.022	4	4.86
1180	B. D.+17°1051.....	7.4*	7.4	5 49 9.247	+3.4903	+0.0028	.....	+17 22 59.40	+0.948	-0.509	.....	4	4.84
1181	α Orionis.....	0.9	8.8	5 49 45.472	+3.2455	+0.0026	+0.0019	+ 7 23 19.34	+0.896	-0.473	+0.008	212 201	9.31 9.39
1182	B. D.+28°952.....	6.4	6.4	50 12.575	3.8102	0.0031	.....	+28 55 34.85	0.856	0.555	.....	4	4.80
1183	B. D.+24°1033.....	6.0	8.9	50 48.586	3.6735	0.0029	.....	+24 14 5.75	0.804	0.535	.....	4	4.77
1184	δ Aurigæ.....	3.9	8.8	51 17.615	4.9293	0.0050	+0.0098	+54 16 36.83	0.761	0.719	-0.126	12	5.53
1185	139 Tauri.....	4.9	7.8	5 51 47.312	+3.7221	+0.0028	-0.0001	+25 56 29.85	+0.718	-0.543	-0.004	14	6.23
1186	η Leporis.....	3.8	8.7	5 51 50.962	+2.7347	+0.0022	-0.0028	-14 11 7.71	+0.713	-0.399	+0.132	14	7.51
1187	99 B. Camelopardalis.....	7.7*	7.7	51 55.810	6.2026	0.0084	.....	+66 53 34.69	0.705	0.904	.....	10	6.79
1188	99 B. Camelopardalis s.p.....	7.7*	7.7	51 55.785	6.2026	0.0084	.....	+66 53 34.11	0.705	0.904	.....	10	7.98
1189	β Aurigæ.....	2.1	7.0	52 11.539	4.4051	0.0036	-0.0044	+44 56 15.00	0.683	0.642	-0.005	10	7.09
1190	B. D.+16°940.....	7.2	7.2	5 52 52.892	+3.4703	+0.0024	.....	+16 35 15.80	+0.623	-0.506	.....	4	4.83
1191	θ Aurigæ.....	2.7	7.6	5 52 54.147	+4.0865	+0.0030	+0.0045	+37 12 20.28	+0.621	-0.596	-0.090	10	7.52
1192	B. D.+20°1199.....	8.6*	8.6	52 57.621	3.5762	0.0025	.....	+20 40 1.40	0.616	0.521	.....	4	4.83
1193	B. D.+18°1040.....	7.1	7.1	53 1.893	3.5274	0.0025	.....	+18 48 39.60	0.609	0.514	.....	4	4.86
1194*	B. D.+21°1072.....	6.7	6.7	53 39.291	3.6012	0.0024	+0.0006	+21 35 48.20	0.555	0.525	+0.008	4	4.76
1195*	B. D.+22°1135.....	6.9	6.9	5 54 24.449	+3.6366	+0.0024	+0.0019	+22 53 38.38	+0.489	-0.530	-0.023	4	4.80
1196*	B. D.+27°945.....	6.1	6.1	5 54 43.335	+3.7699	+0.0024	+0.0018	+27 34 2.30	+0.461	-0.549	0.000	4	4.77
1197	B. D.+22°1140.....	6.3	6.3	55 39.316	3.6230	0.0022	-0.0008	+22 23 53.70	0.380	0.528	-0.025	4	4.82
1198	μ Orionis.....	4.2	7.1	56 52.847	3.2995	0.0020	+0.0012	+ 9 38 50.82	0.273	0.481	-0.029	10	6.89
1199	B. D.+19°1186.....	5.2	8.1	57 32.129	3.5506	0.0019	+0.0003	+19 44 32.70	0.215	0.518	-0.028	4	4.83
1200	B. D.+28°997.....	8.4*	8.4	5 57 56.931	+3.7920	+0.0019	.....	+28 18 13.72	+0.179	-0.553	.....	4	4.83
1201	B. D.+20°1233.....	4.7	7.6	5 57 58.843	+3.5625	+0.0019	+0.0006	+20 8 27.35	+0.177	-0.520	-0.013	4	4.86
1202	B. D.+17°1109.....	7.5	7.5	58 0.686	3.4842	0.0019	.....	+17 7 46.30	0.174	0.508	.....	4	4.76
1203*	B. D.+25°1100.....	7.0	7.0	58 1.102	3.7083	0.0019	+0.0024	+25 26 52.10	0.173	0.540	-0.052	4	4.77
1204	1 Geminorum.....	4.3	7.2	58 2.445	3.6470	0.0019	-0.0006	+23 16 7.29	0.171	0.532	-0.108	64 57	6.70 6.54
1205	B. D.+24°1086.....	8.8*	8.8	5 59 1.507	+3.6772	+0.0017	.....	+24 21 0.35	+0.085	-0.536	.....	4	4.82
1206	B. D.+18°1078.....	8.7*	8.7	5 59 7.355	+3.5147	+0.0018	.....	+18 18 59.35	+0.077	-0.512	.....	4	4.83
1207	66 Orionis.....	5.7	8.6	59 41.292	3.1696	0.0018	-0.0002	+ 4 9 52.58	+0.027	0.462	-0.012	10	6.72
1208	B. D.+29°1112.....	6.3	6.3	5 59 59.358	3.8291	0.0015	.....	+29 31 13.30	+0.001	0.558	.....	4	4.83
1209	B. D.+21°1116.....	8.2*	8.2	6 0 42.124	3.6095	0.0015	.....	+21 53 46.95	-0.061	0.526	.....	4	4.86
1210	B. D.+23°1192.....	6.9	6.9	6 0 42.801	+3.6575	+0.0015	+0.0008	+23 38 52.95	-0.063	-0.534	-0.014	4	4.76
1211	B. D.+26°1082.....	7.0	7.0	6 1 5.535	+3.7443	+0.0014	.....	+26 41 33.45	-0.095	-0.546	.....	4	4.84
1212	B. D.+16°1000.....	7.7*	7.7	1 10.071	3.4603	0.0016	.....	+16 11 15.70	0.102	0.504	.....	4	4.76
1213	B. D.+37°1421.....	7.0	7.0	1 20.104	4.1163	0.0011	.....	+37 59 40.05	0.117	0.600	.....	2	8.04
1214	B. D.+27°994.....	8.2*	8.2	1 42.176	3.7663	0.0013	.....	+27 26 33.32	0.149	0.548	.....	4	4.84
1215	ν Orionis.....	4.4	7.3	6 1 51.697	+3.4250	+0.0015	+0.0006	+14 46 50.06	-0.163	-0.499	-0.036	48 42	7.59 7.46
1216	74 G. Columbae.....	5.7	8.6	6 2 14.530	+2.3086	+0.0021	+0.0022	-29 44 50.49	-0.196	-0.337	-0.042	10	8.35
1217	36 Camelopardalis.....	5.4	8.3	2 47.489	6.0373	-0.0019	+0.0019	+65 44 17.80	0.244	0.880	-0.027	10	5.26
1218	36 Camelopardalis s.p.....	5.4	8.3	2 47.512	6.0373	-0.0019	+0.0019	+65 44 17.64	0.244	0.880	-0.027	10	7.78
1219*	B. D.+22°1198.....	6.0	6.0	3 30.611	3.6178	+0.0012	+0.0021	+22 12 22.92	0.307	0.527	-0.040	4	4.83
1220	B. D.+23°1226.....	5.8	5.8	6 3 39.622	+3.6431	+0.0011	+0.0011	+23 7 47.90	-0.320	-0.531	-0.013	4	4.83

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				^h ^m ^s	^s	^s	^s	[°] ['] ["]	["]	["]	["]		1900+
1221	B. D. +19°1237.....	8.1*	8.1	6 4 4.457	+3.5506	+0.0012	.....	+19 41 35.90	-0.356	-0.519	.....	4	4.86
1222*	B. D. +23°1232.....	6.7	6.7	4 25.873	3.6400	0.0010	-0.0002	+23 0 58.57	0.388	0.530	-0.011	4	4.76
1223*	B. D. +26°1117.....	7.9	7.9	4 40.517	3.7250	0.0009	+0.0030	+26 2 2.92	0.409	0.543	-0.016	4	4.84
1224	B. D. +28°1036.....	7.6	7.6	4 53.861	3.8108	0.0008	.....	+28 55 38.64	0.428	0.555	.....	4 5	5.83 5.43
1225	B. D. +18°1112.....	6.4	6.4	6 5 10.695	+3.5104	+0.0011	.....	+18 9 1.40	-0.453	-0.511	.....	4	4.84
1226	B. D. +24°1151.....	5.9	5.9	6 5 24.287	+3.6796	+0.0009	+0.0005	+24 26 32.32	-0.473	-0.536	-0.056	4	4.83
1227	B. D. +20°1302.....	6.9	6.9	5 24.809	3.5832	0.0010	.....	+20 55 33.92	0.473	0.522	.....	4	4.83
1228	B. D. +27°1013.....	8.2*	8.2	5 31.108	3.7577	0.0008	.....	+27 9 16.77	0.483	0.548	.....	4	4.86
1229	B. D. +17°1154 (<i>pr.</i>)..	7.2	7.2	5 49.832	3.4910	0.0010	.....	+17 23 57.97	0.510	0.508	.....	4	4.76
1230	B. D. +19°1253.....	5.7	8.6	6 6 5.916	+3.5537	+0.0009	+0.0004	+19 48 47.12	-0.533	-0.518	-0.014	4	4.84
1231	♎ Orionis.....	4.4	7.3	6 6 15.203	+3.4112	+0.0011	+0.0006	+14 13 53.42	-0.547	-0.497	-0.034	9	8.30
1232	B. D. +22°1220.....	6.3	6.3	6 15.323	3.6375	+0.0008	+0.0017	+22 55 52.47	0.547	0.530	-0.014	4	4.76
1233	B. D. +16°1035.....	4.9	7.8	6 17.282	3.4593	+0.0010	+0.0004	+16 9 11.82	0.550	0.504	-0.023	4	4.84
1234	B. D. +37°1443.....	6.6	6.6	6 41.967	4.0857	0.0000	.....	+37 11 1.75	0.586	0.596	.....	2	8.04
1235*	B. D. +18°1129.....	6.2	6.2	6 7 40.671	+3.5246	+0.0003	+0.0027	+18 42 24.57	-0.672	-0.513	-0.042	4	4.83
1236	22 H. Camelopardalis...	4.7	7.6	6 7 49.700	+6.6174	-0.0090	+0.0023	+69 21 17.89	-0.685	-0.964	-0.109	8 7	6.40 6.78
1237	22 H. Camelopardalis s. p.	4.7	7.6	7 49.637	6.6174	-0.0090	+0.0023	+69 21 18.32	0.685	0.964	-0.109	11	5.83
1238	Groombridge 1004.....	6.6	6.6	8 3.09	26.666	-0.311	+0.030	+86 45 35.21	0.704	3.885	-0.097	13	7.91
1239	Groombridge 1004 s. p.	6.6	6.6	8 3.47	26.666	-0.311	+0.030	+86 45 35.29	0.704	3.885	-0.097	10	6.69
1240	B. D. +17°1182.....	5.7	5.7	6 8 38.120	+3.5046	+0.0008	+0.0007	+17 56 5.22	-0.755	-0.511	-0.027	4	4.83
1241	♊ Geminorum.....	var.	8.6	6 8 50.407	+3.6265	+0.0005	-0.0045	+22 32 9.45	-0.773	-0.528	-0.017	57 53	7.54 7.56
1242	B. D. +19°1270.....	5.2	8.1	8 57.745	3.5371	+0.0006	-0.0069	+19 11 25.65	0.784	0.515	-0.201	4	4.76
1243	B. D. +29°1154.....	4.4	7.3	9 0.311	3.8290	+0.0001	-0.0049	+29 32 5.15	0.788	0.557	-0.266	4	4.84
1244	B. D. +25°1180.....	7.7	7.7	9 14.191	3.7054	+0.0003	.....	+25 21 49.55	0.808	0.539	.....	4	4.79
1245	B. D. +27°1036.....	8.0*	8.0	6 9 36.790	+3.7791	0.0000	.....	+27 53 36.44	-0.841	-0.550	.....	4 5	4.84 5.09
1246	B. D. +16°1060.....	5.3	8.2	6 9 39.101	+3.4596	+0.0007	+0.0004	+16 10 26.72	-0.844	-0.504	-0.020	4	4.83
1247	B. D. +24°1182.....	6.1	6.1	10 12.442	3.6668	+0.0002	-0.0012	+24 0 9.25	0.892	0.533	-0.024	4	4.83
1248*	B. D. +17°1191.....	6.5	6.5	10 35.173	3.4860	+0.0005	+0.0011	+17 12 53.40	0.926	0.508	-0.031	4	4.86
1249	2 Lynx.....	4.4	7.3	10 47.964	5.2983	-0.0054	-0.0007	+59 2 50.27	0.944	0.771	+0.021	6	7.13
1250	♋ Orionis.....	5.1	8.0	6 10 49.715	+3.3634	+0.0008	+0.0060	+12 18 1.61	-0.947	-0.489	+0.193	10	6.81
1251	B. D. +23°1275.....	6.3	6.3	6 10 52.628	+3.6604	+0.0001	+0.0009	+23 46 29.77	-0.951	-0.533	-0.004	4	4.76
1252	B. D. +20°1348.....	8.8*	8.8	11 30.887	3.5805	+0.0002	.....	+20 50 35.55	1.007	0.521	.....	4	4.84
1253	B. D. +38°1447.....	7.8*	7.8	11 46.742	4.1254	-0.0013	.....	+38 16 22.90	1.030	0.600	.....	2	8.04
1254	B. D. +16°1076.....	9.9*	9.9	11 51.881	3.4784	+0.0005	.....	+16 55 14.02	1.036	0.506	.....	4	10.16
1255	B. D. +27°1054.....	6.7	6.7	6 12 4.788	+3.7597	-0.0003	+0.0009	+27 14 56.17	-1.056	-0.547	-0.076	4	4.79
1256	B. D. +23°1293.....	6.6	6.6	6 12 48.779	+3.6565	-0.0001	-0.0001	+23 33 31.65	-1.120	-0.532	-0.015	4	4.84
1257*	B. D. +17°1203.....	6.2	6.2	13 12.924	3.4896	+0.0003	-0.0031	+17 21 52.80	1.155	0.508	-0.037	4	4.83
1258	B. D. +23°1300.....	7.0	7.0	13 14.000	3.6527	-0.0002	+0.0004	+23 30 32.75	1.157	0.532	-0.010	4	4.83
1259*	B. D. +23°1301.....	7.0	7.0	13 17.790	3.6473	-0.0002	+0.0011	+23 18 51.62	1.162	0.531	-0.009	4	4.86
1260	B. D. +18°1171.....	8.4*	8.4	6 13 23.405	+3.5293	+0.0001	.....	+18 54 29.90	-1.171	-0.513	.....	4	4.76
1261	B. D. +25°1225.....	7.2	7.2	6 14 26.319	+3.7009	-0.0005	.....	+25 13 54.72	-1.262	-0.538	.....	4	4.84
1262	B. D. +29°1190.....	6.3	9.2	14 48.862	3.8295	-0.0009	.....	+29 35 9.27	1.295	0.557	.....	4	4.79
1263	7 Monocerotis.....	5.1	8.0	14 53.740	2.8901	+0.0014	-0.0005	+7 46 50.68	1.302	0.420	-0.002	10	6.35
1264	B. D. +21°1203.....	7.1	7.1	15 15.618	3.5888	-0.0002	.....	+21 10 36.67	1.334	0.521	.....	4	4.88
1265*	B. D. +17°1214.....	6.5	6.5	6 15 35.717	+3.5007	0.0000	+0.0006	+17 48 35.45	-1.363	-0.509	.....	4	4.83
1266	B. D. +19°1313.....	7.3	7.3	6 15 40.086	+3.5560	-0.0002	.....	+19 56 14.95	-1.369	-0.517	.....	4	4.83
1267	B. D. +23°1322.....	7.7*	7.7	15 43.113	3.6606	-0.0005	.....	+23 48 25.95	1.375	0.532	.....	4	4.86
1268	B. D. +26°1201 (<i>south</i>)	8.4*	8.4	16 11.613	3.7433	-0.0008	.....	+26 42 57.65	1.415	0.544	.....	4	4.76
1269	♐ Canis Majoris.....	3.1	8.0	16 28.451	2.3021	+0.0019	+0.0006	-30 1 7.37	1.440	0.334	+0.001	9	5.66
1270	B. D. +38°1475.....	7.8*	7.8	6 16 30.312	+4.1170	-0.0023	.....	+38 5 5.00	-1.442	-0.598	.....	2	8.04
1271	♊ Geminorum.....	3.2	8.1	6 16 54.651	+3.6262	-0.0006	+0.0044	+22 33 53.74	-1.478	-0.527	-0.113	48 42	6.92 6.83
1272	B. D. +17°1224 (<i>mean</i>)	6.8	6.8	17 0.044	3.4957	-0.0002	.....	+17 37 23.45	1.486	0.508	.....	4	4.79
1273	♈ Aurigæ.....	5.1	8.0	17 11.820	4.6239	-0.0050	+0.0013	+49 20 20.71	1.503	0.671	-0.005	10	7.12
1274	B. D. +17°1232.....	8.7*	8.7	18 5.806	3.4821	-0.0003	.....	+17 5 40.55	1.582	0.506	.....	4	10.16
1275	♐ Canis Majoris.....	2.0	6.9	6 18 17.753	+2.6419	+0.0016	-0.0005	-17 54 21.89	-1.599	-0.383	0.000	41	8.52
1276	8 Monocerotis.....	4.5	7.4	6 18 28.083	+3.1805	+0.0006	-0.0008	+4 38 38.35	-1.614	-0.461	-0.003	143	9.94
1277	B. D. +25°1255.....	6.6	6.6	18 34.134	3.6964	-0.0010	+0.0006	+25 6 5.12	1.623	0.536	-0.017	4	4.88
1278	B. D. +28°1109.....	7.7*	7.7	18 41.176	3.7832	-0.0014	.....	+28 5 7.35	1.633	0.549	.....	4	4.83
1279*	B. D. +23°1347.....	6.0	8.9	19 28.203	3.6481	-0.0010	-0.0004	+23 22 56.32	1.701	0.529	+0.015	4	4.83
1280	B. D. +21°1232.....	6.6	6.6	6 19 42.614	+3.6022	-0.0009	-0.0004	+21 42 2.02	-1.722	-0.522	-0.018	4	4.86
1281*	B. D. +18°1214.....	6.9	6.9	6 20 18.461	+3.5260	-0.0007	-0.0041	+18 49 4.52	-1.774	-0.511	-0.114	4	4.76
1282	B. D. +21°1241.....	7.7*	7.7	21 19.583	3.5926	0.0010	.....	+21 21 13.20	1.863	0.521	.....	4	4.86
1283	B. D. +39°1635.....	7.6*	7.6	21 36.266	4.1564	0.0038	.....	+39 10 19.15	1.887	0.602	.....	2	8.04
1284	B. D. +20°1427.....	6.6	6.6	21 48.889	3.5791	0.0010	-0.0020	+20 51 3.20	1.905	0.518	-0.056	4	4.79
1285	B. D. +23°1362.....	8.2*	8.2	6 21 53.048	+3.6571	-0.0014	.....	+23 43 46.50	-1.911	-0.530	.....	4	4.88

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1286	B. D.+20°1428.....	6.1	6.1	6 21 59.790	+3.5712	-0.0010	-0.0021	+20 33 24.02	-1.921	-0.518	-0.004	4	4.83
1287	6 Lyncis.....	6.0	8.9	22 6.014	5.2208	0.0115	-0.0012	+58 14 8.42	1.930	0.757	-0.330	10	5.34
1288	B. D.+30°1238.....	var.	8.2	22 8.434	3.8576	0.0023	-0.0005	+30 33 18.02	1.934	0.559	-0.023	4	4.83
1289	B. D.+61°889.....	9.4*	9.4	22 14.233	5.5044	0.0141	.....	+61 19 27.35	1.942	0.798	.....	2	7.76
1290	B. D.+27°1122.....	6.5	6.5	6 22 40.805	+3.7509	-0.0019	.....	+27 1 55.77	-1.981	-0.543	.....	4	4.86
1291	10 Monocerotis.....	5.0	7.9	6 23 1.242	+2.9630	+0.0008	-0.0002	-4 42 0.57	-2.010	-0.429	+0.014	40	8.40
1292	ν Geminorum.....	4.1	7.0	23 1.507	3.5636	-0.0011	-0.0006	+20 16 32.10	2.011	0.516	-0.021	50	8.67
1293*	B. D.+28°1138.....	6.8	6.8	24 3.397	3.7873	-0.0022	-0.0036	+28 16 42.37	2.100	0.548	+0.016	4	4.84
1294	B. D.+29°1248.....	8.1	8.1	24 22.212	3.8364	-0.0026	.....	+29 53 46.52	2.128	0.555	.....	4	4.89
1295	λ Canis Majoris.....	4.5	7.4	6 24 27.713	+2.2252	+0.0018	-0.0022	-32 31 0.61	-2.136	-0.321	+0.016	11	6.60
1296*	B. D.+17°1275.....	6.2	6.2	6 25 22.249	+3.4786	-0.0010	-0.0008	+17 0 30.85	-2.215	-0.503	-0.028	4	4.88
1297	B. D.+16°1178.....	6.4	6.4	25 52.265	3.4525	0.0010	-0.0006	+15 58 25.02	2.258	0.499	-0.022	4	4.83
1298*	B. D.+22°1364.....	7.2	7.2	25 57.945	3.6158	0.0017	+0.0021	+22 15 22.75	2.267	0.522	+0.011	4	4.83
1299	B. D.+17°1286 (pr.).....	7.8	7.8	26 27.650	3.4998	0.0012	+0.0031	+17 51 1.02	2.310	0.506	+0.032	4	4.85
1300	B. D.+17°1286 (fol.).....	7.2	7.2	6 26 28.371	+3.5000	-0.0012	+0.0025	+17 51 18.14	-2.310	-0.506	+0.021	5	4.84
1301	B. D.+39°1664.....	7.2	7.2	6 26 45.245	+4.1673	-0.0049	.....	+39 31 13.40	-2.335	-0.603	.....	2	8.04
1302	B. D.+25°1317.....	8.4*	8.4	27 0.005	3.7012	0.0023	.....	+25 21 12.62	2.356	0.535	.....	4	4.84
1303	B. D.+24°1303.....	9.0*	9.0	27 11.848	3.6664	0.0021	.....	+24 6 54.30	2.373	0.530	.....	4	4.89
1304	13 Monocerotis.....	4.5	7.4	27 29.760	3.2448	0.0003	+0.0002	+7 24 23.13	2.399	0.469	-0.010	10	6.35
1305	8 Lyncis.....	6.0	6.0	6 28 32.941	+5.5218	-0.0186	-0.0272	+61 34 6.95	-2.491	-0.797	-0.281	10	6.02
1306	B. D.+19°1391.....	6.9	6.9	6 28 45.163	+3.5420	-0.0017	-0.0003	+19 30 22.52	-2.508	-0.511	-0.013	4	4.86
1307	B. D.+28°1168.....	5.0	7.9	28 54.159	3.7803	0.0030	-0.0004	+28 6 1.55	2.522	0.546	-0.023	4	4.82
1308	B. D.+77°253 (pr.).....	9.5*	9.5	29 7.093	8.9382	0.0230	.....	+77 15 53.80	2.541	1.291	.....	2	7.77
1309	23 H. Camelopardalis.....	5.6	8.5	29 10.170	10.3473	0.1217	-0.0257	+79 40 18.06	2.545	1.496	-0.616	10	6.74
1310	23 H. Camelopardalis s.p.....	5.6	8.5	6 29 10.211	+10.3473	-0.1217	-0.0257	+79 40 19.25	-2.545	-1.496	-0.616	16	5.20
1311	B. D.+20°1496.....	8.0*	8.0	6 29 38.723	+3.5803	-0.0020	.....	+20 58 9.22	-2.586	-0.516	.....	4	4.84
1312	B. D.+17°1306.....	7.4*	7.4	30 4.273	3.4971	-0.0016	.....	+17 46 22.52	2.623	0.504	.....	4	4.85
1313	B. D.+16°1210.....	6.7	6.7	30 14.661	3.4743	-0.0016	+0.0014	+16 52 41.47	2.638	0.501	-0.036	4	4.76
1314	B. D.+23°1425.....	6.8	6.8	30 38.542	3.6395	-0.0024	.....	+23 10 47.27	2.672	0.525	.....	4	4.86
1315	ξ ² Canis Majoris.....	4.5	7.4	6 30 51.921	+2.5133	+0.0015	+0.0004	-22 53 6.87	-2.692	-0.362	+0.013	10	6.55
1316*	B. D.+24°1328.....	6.4	6.4	6 31 19.385	+3.6806	-0.0028	-0.0021	+24 40 26.90	-2.731	-0.531	-0.002	4	4.88
1317	51 Aurigæ.....	5.7	8.6	31 43.763	4.1627	0.0062	-0.0021	+39 28 44.34	2.767	0.600	-0.116	10	6.49
1318	B. D.+37°1553.....	8.0*	8.0	31 45.458	4.0771	0.0055	.....	+37 12 1.55	2.769	0.588	.....	2	8.04
1319	γ Geminorum.....	1.9	6.8	31 56.116	3.4640	0.0016	+0.0031	+16 29 5.18	2.784	0.499	-0.047	49 43	7.51 7.50
1320	B. D.+29°1293.....	5.5	8.4	6 32 2.471	+3.8080	-0.0037	-0.0012	+29 4 12.35	-2.794	-0.549	-0.025	4	4.84
1321	B. D.+26°1300.....	8.8*	8.8	6 32 26.611	+3.7345	-0.0033	.....	+26 35 10.10	-2.829	-0.538	.....	4	4.84
1322	B. D.+22°1416.....	6.3	6.3	33 4.346	3.6099	0.0026	.....	+22 7 7.95	2.883	0.520	.....	4	4.85
1323	B. D.+28°1196.....	5.8	8.7	33 14.722	3.7859	0.0038	-0.0008	+28 21 5.92	2.898	0.544	-0.023	4	4.75
1324	B. D.+77°256.....	8.4*	8.4	33 58.873	8.8395	0.0940	.....	+77 5 26.95	2.962	1.274	.....	2	7.78
1325	B. D.+23°1446.....	7.8*	7.8	6 34 0.005	+3.6543	-0.0030	.....	+23 45 50.30	-2.963	-0.526	.....	4	4.84
1326	B. D.+19°1430.....	7.4	7.4	6 34 7.587	+3.5469	-0.0023	.....	+19 44 58.60	-2.974	-0.511	.....	4	4.88
1327	B. D.+28°1207.....	6.5	6.5	35 2.735	3.7832	0.0040	+0.0006	+28 17 21.07	3.054	0.541	-0.015	4	4.88
1328*	B. D.+27°1194.....	7.7	7.7	35 27.946	3.7502	0.0038	+0.0034	+27 10 30.50	3.090	0.539	0.000	4	4.84
1329	S Monocerotis.....	4.7	7.6	35 28.218	3.3049	0.0012	+0.0002	+9 59 18.38	3.090	0.475	-0.007	46 43	7.90 7.96
1330	B. D.+61°903.....	9.2*	9.2	6 35 39.361	+5.4891	-0.0229	.....	+61 21 3.45	-3.106	-0.789	.....	2	7.80
1331	B. D.+17°1357.....	5.1	8.0	6 36 34.933	+3.4945	-0.0023	+0.0010	+17 44 35.17	-3.186	-0.502	-0.098	4	4.84
1332	ε Geminorum.....	3.2	8.1	37 46.769	3.6936	0.0038	0.0000	+25 13 49.03	3.290	0.530	-0.020	54 52	8.02 8.06
1333	B. D.+39°1731.....	7.0	7.0	38 14.469	4.1577	0.0075	.....	+39 28 20.85	3.330	0.596	.....	2	8.04
1334	B. D.+29°1327.....	5.5	8.4	38 25.218	3.8049	0.0047	-0.0003	+29 4 19.70	3.345	0.546	-0.029	4	4.76
1335	B. D.+20°1549.....	7.0	7.0	6 38 33.015	+3.5727	-0.0030	.....	+20 47 37.22	-3.356	-0.512	.....	4	4.86
1336*	B. D.+22°1456.....	6.8	6.8	6 38 53.654	+3.6298	-0.0034	+0.0021	+22 56 20.05	-3.386	-0.520	+0.016	4	4.88
1337	B. D.+19°1460.....	7.9*	7.9	38 58.494	3.5421	0.0029	.....	+19 37 44.55	3.393	0.506	.....	4	4.88
1338	ψ ⁵ Aurigæ.....	5.3	8.2	39 31.895	4.3295	0.0097	+0.0007	+43 40 38.69	3.441	0.620	+0.158	10	6.43
1339	ξ Geminorum.....	3.4	8.3	39 40.541	3.3764	0.0019	-0.0078	+13 0 11.89	3.453	0.484	-0.201	53 52	7.05 7.11
1340	B. D.+23°1491.....	6.5	6.5	6 40 6.233	+3.6439	-0.0037	.....	+23 28 27.77	-3.490	-0.522	.....	4	4.84
1341	B. D.+21°1372.....	8.8*	8.8	6 40 16.849	+3.5942	-0.0034	.....	+21 38 12.65	-3.504	-0.514	.....	4	4.84
1342	α Canis Majoris.....	-1.6	6.3	40 44.192	2.6807	+0.0010	-0.0366	-16 34 55.18	3.545	0.384	-1.206	28	9.66
1343*	B. D.+18°1349.....	6.2	6.2	41 32.854	3.5071	-0.0028	+0.0002	+18 18 7.27	3.614	0.501	-0.056	4	4.85
1344	B. D.+24°1406.....	8.0*	8.0	42 22.303	3.6702	-0.0042	.....	+24 25 27.32	3.685	0.524	.....	4	4.76
1345	18 Monocerotis.....	4.7	7.6	6 42 38.762	+3.1302	-0.0008	-0.0004	+2 31 18.54	-3.709	-0.447	-0.025	9	6.31
1346	43 Camelopardalis.....	5.1	8.0	6 42 55.394	+6.4939	-0.0487	+0.0019	+69 0 16.61	-3.733	-0.928	+0.009	10	7.75
1347	43 Camelopardalis s.p.....	5.1	8.0	42 55.408	6.4939	0.0487	+0.0019	+69 0 16.76	3.733	0.928	+0.009	10	7.90
1348	B. D.+27°1236.....	6.6	6.6	42 55.486	3.7502	0.0050	.....	+27 18 10.40	3.733	0.536	.....	4	4.86
1349	ζ ⁷ Aurigæ.....	5.0	7.9	43 41.679	4.2497	0.0101	-0.0016	+41 53 55.74	3.799	0.606	-0.135	10	5.59
1350	B. D.+19°1492.....	7.6*	7.6	6 43 44.471	+3.5314	-0.0033	.....	+19 16 51.37	-3.803	-0.504	.....	4	4.88

1288. Var., 5m.0-5m.6.

1308. Fainter follows 5°, 30' south.

1342. The position of α Canis Majoris is for the center of its orbit.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Number of Observations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1351	B. D. +16°1298.	5.7	8.6	6 44 4.436	+3.4564	-0.0028	-0.0013	+16 18 59.62	-3.832	-0.493	-0.013	4	4.88
1352	B. D. +17°1409.	8.1*	8.1	44 17.289	3.4910	0.0031	.....	+17 42 15.87	3.850	0.498	.....	4	4.84
1353	B. D. +25°1460.	6.9	6.9	44 49.751	3.7084	0.0049	.....	+25 52 52.78	3.896	0.529	.....	4	4.84
1354	24 H. Camelopardalis	4.8	7.7	45 29.280	8.7953	0.1246	+0.0250	+77 6 17.66	3.953	1.255	-0.014	9	6.05
1355	24 H. Camelopardalis s.p.	4.8	7.7	6 45 29.258	+8.7953	-0.1246	+0.0250	+77 6 17.48	-3.953	-1.255	-0.014	12 11	5.31 5.45
1356	B. D. +21°1405.	5.2	8.1	6 45 33.425	+3.5985	-0.0040	-0.0007	+21 52 45.50	-3.959	-0.513	-0.041	4	4.85
1357*	B. D. +25°1469.	6.6	6.6	45 48.016	3.7050	-0.0050	-0.0012	+25 46 50.90	3.980	0.527	+0.062	4	4.76
1358	B. D. +20°1598.	8.6*	8.6	45 55.053	3.5608	-0.0038	.....	+20 27 13.97	3.989	0.507	.....	4	4.86
1359	B. D. +23°1518.	5.8	5.8	45 55.689	3.6478	-0.0045	-0.0029	+23 43 12.75	3.991	0.519	-0.016	4	4.88
1360	κ Canis Majoris	3.8	8.7	6 46 6.361	+2.2415	+0.0014	-0.0003	-32 23 33.86	-4.006	-0.318	+0.001	10	5.48
1361	θ Geminorum	3.6	8.5	6 46 11.844	+3.9583	-0.0074	+0.0005	+34 4 55.16	-4.014	-0.564	-0.054	4 5	7.87 8.27
1362	B. D. +21°1426.	6.6	6.6	48 23.216	3.5815	0.0043	.....	+21 17 11.80	4.201	0.509	.....	4	4.88
1363*	B. D. +24°1451.	6.8	6.8	48 36.874	3.6642	0.0050	-0.0069	+24 22 21.70	4.221	0.520	-0.061	4	4.84
1364	15 Lyncis	4.5	7.4	48 37.086	5.2089	0.0264	+0.0007	+58 33 13.21	4.221	0.741	-0.134	10	7.52
1365	e Geminorum	4.7	7.6	6 49 0.194	+3.3812	-0.0028	+0.0050	+13 18 17.43	-4.254	-0.480	-0.085	10	6.31
1366	B. D. +25°1496.	5.8	5.8	6 49 9.669	+3.6952	-0.0053	-0.0030	+25 30 3.35	-4.267	-0.525	+0.013	4	4.84
1367	θ Canis Majoris	4.2	7.1	49 32.554	2.7969	+0.0004	-0.0093	-11 54 47.43	4.300	0.396	-0.015	40 35	6.50 6.47
1368	B. D. +27°1270.	7.0	7.0	49 41.622	3.7492	-0.0060	.....	+27 24 48.05	4.313	0.532	.....	4	4.85
1369*	B. D. +17°1447.	6.9	6.9	50 27.553	3.4928	-0.0038	-0.0017	+17 52 0.82	4.378	0.496	-0.033	4	4.76
1370	ε Canis Majoris	4.4	7.3	6 51 40.604	+2.6760	+0.0007	-0.0001	-16 55 28.01	-4.482	-0.377	+0.011	10	7.24
1371	B. D. +22°1531.	6.9	6.9	6 52 10.223	+3.6144	-0.0050	.....	+22 36 22.32	-4.524	-0.511	.....	4	4.86
1372	B. D. +26°1405.	6.1	6.1	52 37.540	3.7130	0.0060	-0.0120	+26 12 46.05	4.563	0.525	+0.086	4	4.88
1373	B. D. +19°1559.	7.4	7.4	52 39.190	3.5295	0.0043	.....	+19 21 22.07	4.565	0.499	.....	4	4.88
1374	B. D. +26°1411.	6.3	6.3	53 17.443	3.7080	0.0061	-0.0011	+26 3 0.55	4.620	0.524	-0.014	4	4.84
1375	B. D. +20°1661.	8.2*	8.2	6 53 27.141	+3.5606	-0.0047	.....	+20 34 51.60	-4.633	-0.508	.....	4	4.84
1376	51 H. Cephei	5.3	8.2	6 53 44.02	+29.705	-2.616	-0.047	+87 12 20.04	-4.657	-4.213	-0.038	79 76	7.54 7.65
1377	51 H. Cephei s. p.	5.3	8.2	53 44.06	29.705	-2.616	-0.047	+87 12 20.17	4.657	4.213	-0.038	96 85	7.49 7.38
1378	105 G. Canis Majoris	5.7	5.7	54 30.000	2.4590	+0.0012	-0.0013	-25 16 41.48	4.722	0.346	+0.014	9 10	6.21 6.07
1379	B. D. +16°1354.	5.9	8.8	54 30.981	3.4501	-0.0038	-0.0009	+16 13 1.97	4.724	0.486	-0.012	4	4.86
1380	ε Canis Majoris	1.6	6.5	6 54 41.753	+2.3574	+0.0013	+0.0001	-28 50 8.78	-4.739	-0.332	-0.001	9	6.13
1381	B. D. +27°1296.	7.2	7.2	6 54 44.119	+3.7425	-0.0066	.....	+27 17 47.00	-4.742	-0.528	.....	4	4.76
1382	B. D. +21°1471.	8.0*	8.0	56 6.360	3.5946	0.0053	.....	+21 56 24.90	4.859	0.506	.....	4	4.86
1383	B. D. +24°1502.	5.2	8.1	56 19.182	3.6592	0.0060	-0.0003	+24 21 29.50	4.877	0.515	-0.014	4	4.89
1384	B. D. +17°1479.	6.2	6.2	56 36.524	3.4908	0.0044	.....	+17 53 52.50	4.902	0.491	.....	4	4.88
1385*	B. D. +16°1363.	6.0	6.0	6 56 47.139	+3.4640	-0.0042	-0.0063	+16 49 5.27	-4.916	-0.488	+0.006	4	4.84
1386	h Geminorum	6.0	8.9	6 57 9.194	+3.8052	-0.0077	+0.0121	+29 30 12.77	-4.948	-0.536	-0.823	16 15	6.62 6.54
1387	B. D. +27°1307.	8.0*	8.0	57 23.418	3.7363	-0.0070	.....	+27 9 2.72	4.968	0.526	.....	4	4.85
1388	B. D. +19°1591.	7.7	7.7	57 37.341	3.5274	-0.0048	.....	+19 22 5.37	4.987	0.496	.....	4	4.76
1389	22 Canis Majoris	3.7	8.6	57 44.158	2.3902	+0.0012	-0.0008	-27 47 29.13	4.997	0.335	+0.001	9	7.61
1390	ζ Geminorum	var.	8.9	6 58 10.666	+3.5616	-0.0052	-0.0003	+20 43 2.24	-5.034	-0.500	-0.008	56 55	8.82 8.92
1391	o ² Canis Majoris	3.1	8.0	6 58 50.933	+2.5053	+0.0010	-0.0005	-23 41 13.16	-5.091	-0.351	-0.006	10	6.83
1392	γ Canis Majoris	4.1	7.0	59 14.038	2.7144	+0.0004	-0.0001	-15 29 7.13	5.124	0.380	-0.014	47 45	9.33 9.38
1393	B. D. +22°1566.	5.9	8.8	59 17.154	3.6151	-0.0060	0.0000	+22 47 14.40	5.128	0.507	-0.021	4	4.88
1394	B. D. +77°276.	8.6*	8.6	59 31.203	8.7631	-0.1628	.....	+77 12 41.40	5.148	1.233	.....	2	7.79
1395	B. D. +26°1453.	8.4*	8.4	6 59 54.601	+3.7013	-0.0070	.....	+25 58 23.55	-5.181	-0.519	.....	4	4.88
1396	B. D. +28°1314.	6.2	6.2	7 1 8.551	+3.7674	-0.0079	.....	+28 19 51.25	-5.285	-0.528	.....	4	4.84
1397	B. D. +24°1531.	6.9	6.9	1 11.709	3.6550	0.0066	.....	+24 19 23.45	5.289	0.512	.....	4	4.84
1398	B. D. +77°280.	9.2*	9.2	2 26.530	8.6405	0.1646	.....	+76 59 1.35	5.395	1.171	.....	2	7.80
1399	45 Geminorum	5.6	8.5	2 37.927	3.4435	0.0046	-0.0007	+16 5 25.81	5.410	0.481	-0.111	14	5.47
1400	B. D. +17°1505.	7.6	7.6	7 2 55.461	+3.4857	-0.0050	.....	+17 48 55.30	-5.435	-0.487	.....	4	4.76
1401	B. D. +19°1623.	7.3	7.3	7 3 15.754	+3.5329	-0.0055	.....	+19 42 21.35	-5.464	-0.493	.....	4	4.86
1402*	B. D. +25°1594.	7.0	7.0	3 26.988	3.6964	-0.0074	-0.0081	+25 53 34.12	5.480	0.516	-0.157	4	4.88
1403*	B. D. +21°1528.	6.5	6.5	4 10.557	3.5762	-0.0061	-0.0081	+21 25 13.50	5.541	0.498	-0.448	4	4.88
1404	δ Canis Majoris	2.0	6.9	4 19.532	2.4395	+0.0010	-0.0004	-26 14 3.00	5.553	0.339	+0.002	11	5.67
1405	B. D. +30°1439.	4.5	7.4	7 4 46.457	+3.8256	-0.0092	-0.0019	+30 24 33.17	-5.591	-0.534	-0.047	4	4.84
1406	63 Aurigæ	5.1	8.0	7 4 46.654	+4.1297	-0.0137	+0.0041	+39 29 2.11	-5.591	-0.576	-0.003	11	6.89
1407	B. D. +27°1327.	5.6	8.5	5 10.930	3.7265	0.0080	-0.0013	+27 1 15.82	5.625	0.519	-0.049	4	4.85
1408*	B. D. +15°1494.	7.3	7.3	5 34.191	3.4278	0.0047	+0.0022	+15 29 49.82	5.658	0.477	-0.009	4	4.85
1409	B. D. +17°1518.	6.7	6.7	6 0.265	3.4676	0.0051	.....	+17 8 32.40	5.694	0.482	.....	4	4.76
1410	B. D. +24°1558.	5.8	8.7	7 6 21.815	+3.6505	-0.0072	-0.0014	+24 17 45.47	-5.724	-0.507	-0.052	4	4.86
1411	B. D. +25°1609.	6.9	6.9	7 6 40.341	+3.6944	-0.0079	0.0000	+25 54 56.90	-5.750	-0.513	-0.018	4	4.88
1412	22 Monocerotis	4.1	7.0	6 45.448	3.0650	0.0017	+0.0002	- 0 19 37.28	5.757	0.426	+0.011	10	5.69
1413*	B. D. +15°1504 (north)	7.9	7.9	7 6.034	3.4235	0.0048	+0.0037	+15 20 46.22	5.786	0.475	+0.027	4	4.88
1414	18 Lyncis	5.3	8.2	7 10.946	5.2721	0.0387	-0.0115	+59 48 55.21	5.793	0.733	-0.258	10	5.41
1415	51 Geminorum	5.3	8.2	7 7 37.715	+3.4470	-0.0051	+0.0008	+16 19 43.59	-5.830	-0.479	-0.050	12	5.78

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1416	B. D. +24°1576.....	6.7	6.7	7 8 20.471	+3.6648	-0.0076	-0.0001	+24 52 55.90	-5.890	-0.508	-0.016	4	4.84
1417	B. D. +25°1618.....	6.0	6.0	8 35.033	3.6694	0.0078	+0.0037	+25 3 31.72	5.910	0.509	-0.092	4	4.85
1418	B. D. +20°1743.....	8.0*	8.0	8 38.946	3.5546	0.0064	.....	+20 41 18.72	5.915	0.493	.....	4	4.77
1419	B. D. +23°1647.....	7.8*	7.8	8 50.680	3.6217	0.0072	.....	+23 16 58.97	5.932	0.502	.....	4	4.86
1420	B. D. +18°1538.....	7.8*	7.8	7 9 0.492	+3.5052	-0.0059	.....	+18 44 2.07	-5.945	-0.486	.....	4	4.88
1421*	B. D. +22°1620.....	7.4	7.4	7 9 34.897	+3.5912	-0.0069	-0.0009	+22 8 25.40	-5.993	-0.497	0.000	4	4.88
1422	B. D. +28°1350.....	5.9	5.9	9 42.440	3.7524	0.0090	-0.0014	+28 4 17.57	6.004	0.519	-0.009	4	4.84
1423	25 H. Camelopardalis.....	5.1	8.0	10 3.211	12.8914	0.5178	+0.0029	+82 36 16.34	6.033	1.789	-0.045	12	5.56
1424	25 H. Camelopardalis s.p.....	5.1	8.0	10 3.151	12.8914	0.5178	+0.0029	+82 36 15.79	6.033	1.789	-0.045	10	6.45
1425*	B. D. +26°1508.....	6.5	6.5	7 10 51.677	+3.7174	-0.0087	+0.0058	+26 52 10.42	-6.100	-0.513	-0.134	4	4.84
1426	64 Aurigæ.....	5.8	8.7	7 11 5.005	+4.1810	-0.0161	-0.0010	+41 3 40.13	-6.119	-0.578	0.000	10	7.36
1427	λ Geminorum.....	3.6	8.5	12 20.739	3.4540	0.0056	-0.0033	+16 43 15.39	6.224	0.476	-0.048	65 55	7.12 7.09
1428	B. D. +24°1611.....	8.4*	8.4	12 47.351	3.6456	0.0081	.....	+24 17 58.50	6.261	0.502	.....	4	4.81
1429	δ Geminorum.....	3.5	8.4	14 9.025	3.5886	0.0074	-0.0013	+22 10 0.01	6.374	0.493	-0.017	69 66	7.90 7.95
1430	B. D. +19°1685.....	7.3	7.3	7 14 10.096	+3.5262	-0.0066	.....	+19 42 20.20	-6.375	-0.485	.....	3	5.12
1431	29 Canis Majoris.....	4.9	7.8	7 14 30.536	+2.4985	+0.0009	-0.0010	-24 22 34.16	-6.403	-0.343	-0.008	10	8.46
1432	19 Lyncis.....	5.6	8.5	14 42.509	4.9124	-0.0334	+0.0002	+55 28 11.31	6.420	0.676	-0.038	11	8.37
1433	B. D. +25°1644.....	8.6*	8.6	14 55.213	3.6857	-0.0089	.....	+25 51 17.70	6.437	0.506	.....	4	4.88
1434	B. D. +20°1775.....	5.2	8.1	16 2.789	3.5481	-0.0072	-0.0043	+20 37 57.42	6.531	0.486	-0.033	4	4.90
1435	66 Aurigæ.....	5.3	8.2	7 17 13.013	+4.1636	-0.0173	+0.0001	+40 51 54.11	-6.627	-0.570	-0.024	9	6.88
1436*	B. D. +18°1593.....	6.8	6.8	7 17 15.857	+3.4935	-0.0065	-0.0002	+18 27 55.90	-6.631	-0.478	-0.050	4	4.85
1437	B. D. +17°1561.....	7.4*	7.4	7 17 18.807	3.4724	0.0063	.....	+17 36 3.32	6.635	0.475	.....	4	4.85
1438	B. D. +25°1660.....	5.1	8.0	17 22.700	3.6669	0.0089	-0.0051	+25 14 34.12	6.641	0.501	-0.023	4	4.79
1439	B. D. +23°1698.....	6.0	6.0	17 27.621	3.6111	0.0082	-0.0015	+23 8 16.57	6.647	0.494	-0.046	4	4.90
1440	B. D. +27°1374.....	5.7	8.6	7 18 20.111	+3.7371	-0.0101	+0.0010	+27 49 52.85	-6.720	-0.511	+0.015	4	4.88
1441	B. D. +26°1547.....	9.0*	9.0	7 18 38.246	+3.7087	-0.0097	.....	+26 49 18.97	-6.744	-0.506	.....	4	4.88
1442	γ Geminorum.....	3.9	8.8	19 30.895	3.7405	-0.0104	-0.0086	+27 59 48.45	6.817	0.510	-0.090	71	7.34
1443	η Canis Majoris.....	2.4	7.3	20 8.377	2.3733	+0.0011	-0.0007	-29 6 28.65	6.868	0.322	+0.004	10	7.17
1444	143 B. Camelopardalis.....	5.8	8.7	20 28.641	6.2860	-0.0851	-0.0005	+68 40 11.87	6.896	0.857	-0.044	10	7.00
1445	143 B. Camelopardalis s.p.....	5.8	8.7	7 20 28.600	+6.2860	-0.0851	-0.0005	+68 40 12.00	-6.896	-0.857	-0.044	9	8.04
1446	B. D. +24°1659.....	8.4*	8.4	7 20 55.423	+3.6340	-0.0089	.....	+24 7 38.10	-6.932	-0.494	.....	4	4.86
1447	B. D. +21°1596.....	6.4	6.4	20 55.532	3.5723	0.0080	-0.0220	+21 44 8.80	6.933	0.486	-0.042	4	4.85
1448	B. D. +20°1805.....	5.9	8.8	21 2.671	3.5400	0.0076	-0.0007	+20 27 26.85	6.942	0.481	-0.024	4	4.77
1449	β Canis Minoris.....	3.1	8.0	21 43.621	3.2593	0.0042	-0.0034	+ 8 29 27.60	6.998	0.442	-0.043	48 46	8.42 8.41
1450	B. D. +21°1602.....	5.3	8.2	7 21 48.196	+3.5694	-0.0081	-0.0038	+21 38 58.17	-7.005	-0.485	-0.122	4	4.87
1451	B. D. +26°1564.....	7.2	7.2	7 21 51.977	+3.6947	-0.0099	.....	+26 25 45.72	-7.010	-0.502	.....	4	4.87
1452	B. D. +19°1734.....	7.2	7.2	21 59.387	3.5095	0.0073	.....	+19 14 54.30	7.020	0.476	.....	4	4.88
1453	ρ Geminorum.....	4.2	7.1	22 40.868	3.8532	0.0127	+0.0117	+31 59 1.33	7.076	0.523	+0.183	11 12	5.68 6.03
1454	B. D. +28°1396.....	5.0	7.9	23 6.641	3.7458	0.0109	-0.0024	+28 19 27.50	7.112	0.508	-0.059	4	4.88
1455	B. D. +28°1400.....	5.1	8.0	7 23 35.540	+3.7396	-0.0110	-0.0021	+23 7 21.22	-7.151	-0.507	-0.040	4	4.88
1456	B. D. +16°1490.....	7.8*	7.8	7 23 44.602	+3.4390	-0.0065	.....	+16 22 11.47	-7.163	-0.465	.....	4	4.88
1457	6 Canis Minoris.....	4.8	7.7	24 13.796	3.3423	0.0053	+0.0002	+12 12 48.73	7.203	0.452	-0.019	13	5.38
1458*	B. D. +28°1405.....	8.0*	8.0	24 26.576	3.7385	0.0111	-0.0025	+28 7 3.17	7.220	0.506	-0.039	4	4.76
1459	B. D. +20°1822.....	7.1	7.1	24 30.730	3.5267	0.0078	.....	+20 1 29.05	7.226	0.476	.....	4	4.87
1460	B. D. +24°1686.....	8.2*	8.2	7 25 50.576	+3.6448	-0.0097	.....	+24 42 51.42	-7.334	-0.491	.....	4	4.90
1461	B. D. +17°1596.....	5.6	8.5	7 26 2.464	+3.4596	-0.0070	+0.0026	+17 17 56.15	-7.350	-0.466	-0.081	4	4.88
1462	B. D. +18°1653.....	7.8*	7.8	26 38.395	3.4899	0.0075	.....	+18 34 45.00	7.399	0.470	.....	4	4.88
1463	B. D. +21°1630.....	6.8	6.8	26 38.517	3.5646	0.0086	.....	+21 37 15.60	7.399	0.480	.....	4	4.88
1464*	B. D. +23°1744.....	6.4	9.3	26 51.013	3.6020	0.0092	-0.0010	+23 6 3.47	7.416	0.484	-0.007	4	4.88
1465	B. D. +25°1704.....	8.8*	8.8	7 27 36.401	+3.6669	-0.0103	.....	+25 36 55.35	-7.478	-0.493	.....	4	4.78
1466	B. D. +15°1598.....	6.7	6.7	7 27 42.593	+3.4244	-0.0067	-0.0002	+15 51 13.37	-7.486	-0.460	-0.007	4	4.87
1467	B. D. +16°1510.....	5.1	8.0	27 54.053	3.4287	-0.0068	-0.0010	+16 2 30.97	7.502	0.460	-0.025	4	4.89
1468	α Geminorum (fol.).....	2.0	6.9	28 13.094	3.8496	-0.0136	-0.0147	+32 6 28.43	7.528	0.517	-0.117	5 6	7.86 8.19
1469	υ Geminorum.....	4.2	7.1	29 45.646	3.7049	-0.0112	-0.0020	+27 7 5.13	7.652	0.496	-0.116	17 18	5.41 5.45
1470	108 G. Puppis.....	4.5	7.4	7 29 46.322	+2.5712	+0.0006	-0.0048	-22 4 47.33	-7.653	-0.343	+0.045	10	5.60
1471	n ¹ Puppis.....	5.9	8.8	7 30 4.974	+2.5418	+0.0007	-0.0069	-23 15 19.58	-7.678	-0.339	-0.002	11	5.48
1472	n ² Puppis.....	6.0	8.9	30 5.58	2.5418	+0.0009	-0.0091	-23 15 22.85	7.679	0.339	-0.020	1 2	5.84 5.34
1473*	B. D. +20°1856.....	6.8	6.8	31 12.707	3.5301	-0.0086	+0.0032	+20 22 56.25	7.769	0.471	-0.094	4	4.88
1474	B. D. +19°1784.....	6.8	6.8	31 41.022	3.4997	-0.0081	.....	+19 8 36.77	7.807	0.467	.....	4	4.88
1475*	B. D. +24°1727.....	6.3	6.3	7 32 11.313	+3.6350	-0.0104	+0.0038	+24 35 5.37	-7.848	-0.486	-0.029	4	4.85
1476	25 Monocerotis.....	5.2	8.1	7 32 18.321	+2.9888	-0.0020	-0.0047	- 3 53 14.98	-7.858	-0.398	+0.018	9	6.30
1477	ο Geminorum.....	4.9	7.8	32 38.290	3.9268	-0.0159	-0.0022	+34 48 49.03	7.884	0.523	-0.122	10	6.30
1478*	B. D. +24°1730.....	6.0	8.9	33 9.458	3.6305	-0.0104	-0.0006	+24 26 58.30	7.926	0.483	-0.029	4	4.78
1479	B. D. +16°1531.....	8.7*	8.7	33 12.440	3.4318	-0.0073	.....	+16 19 24.47	7.930	0.456	.....	4	4.87
1480	f Puppis.....	4.6	7.5	7 33 40.100	+2.2218	+0.0012	-0.0029	-34 44 35.47	-7.967	-0.294	+0.014	11	5.76 5.78

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Number of Observations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1481	B. D. +18°1701.....	5.2	8.1	7 33 42.127	+3.4685	-0.0079	+0.0003	+17 54 8.95	- 7.970	-0.461	+0.002	4	4.89
1482	α Canis Minoris.....	0.5	8.4	34 3 3.752	3.1899	0.0042	-0.0466	+ 5 28 46.45	7.999	0.423	-1.030	6	7.24
1483	24 Lyncis.....	5.0	7.9	34 32.842	5.1055	0.0500	-0.0039	+58 56 39.81	8.038	0.678	-0.061	17 16	5.19 5.15
1484	B. D. +19°1794.....	7.7*	7.7	34 33.871	3.5080	0.0086	.....	+19 35 19.95	8.039	0.465	.....	4	4.88
1485*	B. D. +23°1780.....	6.2	6.2	7 34 59.261	+3.5979	-0.0101	+0.0011	+23 14 59.30	- 8.073	-0.477	+0.007	4	4.88
1486	B. D. +26°1625.....	8.6*	8.6	7 35 10.881	+3.6719	-0.0111	.....	+26 7 14.52	- 8.088	-0.486	.....	4	4.88
1487	B. D. +21°1661.....	8.2*	8.2	35 17.238	3.5584	0.0095	.....	+21 40 46.10	8.097	0.471	.....	4	4.85
1488	26 Monocerotis.....	4.1	7.0	36 28.129	2.8722	0.0012	-0.0051	- 9 19 3.56	8.191	0.379	-0.024	11	6.68
1489	B. D. +29°1590.....	4.3	7.2	37 3 7.77	3.7512	0.0131	+0.0053	+29 7 31.70	8.239	0.495	-0.237	4	4.78
1490*	B. D. +22°1756.....	6.3	6.3	7 37 24.833	+3.5800	-0.0100	-0.0014	+22 38 7.27	- 8.267	-0.472	+0.026	4	4.87
1491	B. D. +26°1633.....	5.4	8.3	7 38 0.957	+3.6660	-0.0117	-0.0015	+26 1 21.30	- 8.315	-0.482	-0.027	4	4.89
1492	κ Geminorum.....	3.7	8.6	38 24.633	3.6296	0.0111	-0.0016	+24 38 16.60	8.346	0.478	-0.062	70 64	7.13 7.04
1493	β Geminorum.....	1.2	9.1	39 11.474	3.7247	0.0130	-0.0471	+28 16 4.20	8.408	0.489	-0.058	61 58	7.57 7.56
1494	B. D. +20°1893.....	6.3	6.3	39 17.126	3.5272	0.0094	-0.0013	+20 33 22.75	8.415	0.463	-0.012	4	4.92
1495	B. D. +27°1470.....	8.0*	8.0	7 39 44.720	+3.6890	-0.0124	.....	+26 58 2.97	- 8.452	-0.484	.....	4	4.85
1496	ι Puppis.....	4.1	7.0	7 39 47.595	+2.4085	+0.0011	-0.0002	-28 42 55.52	- 8.456	-0.315	-0.010	10	5.42
1497	B. D. +21°1679.....	7.5	7.5	40 13.614	3.5459	-0.0098	.....	+21 21 52.40	8.490	0.465	.....	4	4.82
1498	B. D. +18°1733.....	5.0	7.9	40 20.027	3.4833	-0.0087	-0.0048	+18 45 14.95	8.499	0.456	-0.069	4	4.87
1499	B. D. +17°1551.....	7.4*	7.4	40 26.240	3.4350	-0.0080	.....	+16 40 53.50	8.507	0.450	.....	4	4.89
1500	π Geminorum.....	5.3	8.2	7 41 3.558	+3.8772	-0.0164	+0.0003	+33 39 40.33	- 8.556	-0.508	-0.040	10	6.20
1501	4 Puppis.....	5.1	8.0	7 41 20.551	+2.7640	-0.0004	-0.0012	-14 19 13.79	- 8.578	-0.360	+0.003	10 11	6.16 6.17
1502	B. D. +23°1812.....	6.2	6.2	42 34.899	3.5934	0.0109	-0.0009	+23 23 19.15	8.676	0.468	-0.015	4	4.88
1503	B. D. +24°1777.....	7.1	7.1	43 17.610	3.6266	0.0116	.....	+24 44 18.68	8.733	0.472	.....	4	4.88
1504	B. D. +17°1684.....	7.8*	7.8	44 52.068	3.4419	0.0085	.....	+17 7 56.10	8.856	0.446	.....	4	4.92
1505	B. D. +15°1676.....	7.2	7.2	7 44 52.839	+3.3957	-0.0078	.....	+15 5 40.45	- 8.857	-0.440	.....	4	4.88
1506	B. D. +25°1773.....	8.2*	8.2	7 44 54.314	+3.6407	-0.0121	.....	+25 21 47.87	- 8.859	-0.472	.....	4	4.78
1507	ξ Argus.....	3.5	8.4	45 5.315	2.5234	+0.0008	-0.0005	-24 36 30.90	8.873	0.326	+0.001	8	6.35
1508*	B. D. +19°1854.....	6.1	6.1	46 7.808	3.4977	-0.0096	-0.0029	+19 34 52.12	8.955	0.453	-0.030	4	4.87
1509	B. D. +22°1803.....	7.1	7.1	47 4.693	3.5588	-0.0110	+0.0001	+22 35 30.87	9.029	0.461	-0.024	4	4.89
1510	9 Puppis.....	5.3	8.2	7 47 8.416	+2.7830	-0.0006	-0.0041	-13 37 59.54	- 9.034	-0.358	-0.339	10	7.58
1511	ϕ Geminorum.....	5.0	7.9	7 47 22.642	+3.6806	-0.0132	-0.0022	+27 1 29.12	- 9.053	-0.475	-0.037	77 73	6.30 6.15
1512	26 Lyncis.....	5.7	8.6	47 25.862	4.3884	0.0316	-0.0042	+47 49 26.61	9.057	0.567	-0.008	10	6.25
1513	166 B. Camelopardalis.....	5.6	8.5	48 13.832	7.2742	0.1843	-0.0020	+74 11 6.42	9.119	0.940	-0.033	10	6.83
1514	166 B. Camelopardalis S.P.....	6.6	8.5	48 13.845	7.2742	0.1843	-0.0020	+74 11 6.53	9.119	0.940	-0.033	10	5.51
1515	B. D. +16°1580.....	7.1	7.1	7 48 16.136	+3.4203	-0.0084	.....	+16 17 46.92	- 9.122	-0.440	.....	4	4.88
1516	B. D. +21°1714.....	7.0	7.0	7 48 20.048	+3.5378	-0.0105	.....	+21 21 56.38	- 9.127	-0.455	.....	4	4.94
1517	B. D. +18°1778.....	7.4	7.4	49 2.927	3.4667	0.0093	.....	+18 21 43.42	9.183	0.445	.....	4	4.88
1518	B. D. +20°1946.....	5.4	8.3	49 49.765	3.5074	0.0101	-0.0007	+20 8 53.52	9.243	0.450	-0.046	4	4.95
1519	B. D. +25°1794.....	7.7	7.7	49 59.801	3.6233	0.0124	.....	+24 55 44.92	9.256	0.465	.....	4	4.87
1520	B. D. +24°1806.....	6.7	6.7	7 50 7.481	+3.5972	-0.0119	.....	+23 53 17.65	- 9.266	-0.461	.....	4	4.89
1521	B. D. +26°1684.....	8.2*	8.2	7 50 42.391	+3.6591	-0.0132	.....	+26 22 14.22	- 9.311	-0.468	.....	4	4.90
1522	1 Cancri.....	6.0	8.9	51 18.768	3.4125	0.0086	-0.0019	+16 3 27.08	9.358	0.436	-0.049	16	5.39
1523*	B. D. +16°1598.....	6.2	6.2	52 49.204	3.4277	0.0089	+0.0003	+16 47 17.47	9.475	0.436	+0.004	4	4.92
1524	B. D. +21°1730.....	8.4*	8.4	53 1.503	3.5342	0.0110	.....	+21 25 25.10	9.490	0.450	.....	4	4.88
1525	53 Camelopardalis.....	6.0	8.9	7 53 9.980	+5.1607	-0.0638	-0.0019	+60 35 52.54	- 9.502	-0.659	-0.022	9	6.09
1526	ω^1 Cancri.....	5.9	8.8	7 54 52.855	+3.6356	-0.0133	+0.0010	+25 40 0.34	- 9.633	-0.461	-0.001	14 16	6.31 6.44
1527*	B. D. +18°1816.....	7.1	7.1	54 55.280	3.4649	0.0098	-0.0003	+18 31 10.87	9.636	0.439	-0.008	4	4.87
1528*	B. D. +20°1976.....	6.3	6.3	54 58.463	3.5009	0.0105	-0.0018	+20 5 25.97	9.640	0.443	-0.007	4	4.89
1529*	B. D. +23°1866.....	6.4	6.4	55 2.485	3.5905	0.0123	-0.0003	+23 51 28.67	9.646	0.455	-0.047	4	4.91
1530	3 Cancri.....	5.8	8.7	7 55 3.466	+3.4436	-0.0094	-0.0001	+17 34 58.65	- 9.647	-0.436	-0.015	14	5.25
1531	B. D. +25°1816.....	6.2	6.2	7 55 41.897	+3.6269	-0.0132	-0.0009	+25 21 54.10	- 9.696	-0.458	+0.012	4	4.91
1532	B. D. +16°1612.....	5.9	5.9	55 48.350	3.4239	0.0091	+0.0004	+16 43 52.15	9.704	0.433	-0.009	4	4.88
1533	B. D. +15°1734.....	7.1	7.1	57 4.076	3.3897	0.0086	.....	+15 13 39.62	9.801	0.427	.....	4	4.95
1534	χ Geminorum.....	5.0	7.9	57 22.601	3.6937	0.0149	-0.0015	+28 4 29.41	9.824	0.465	-0.052	75 71	6.50 6.45
1535	B. D. +22°1845.....	6.8	6.8	7 57 56.277	+3.5507	-0.0118	-0.0028	+22 21 4.97	- 9.867	-0.447	-0.020	4	4.89
1536	4 B. Ursæ Minoris.....	7.0	7.0	7 58 2.91	+65.529	-32.934	+0.035	+88 55 59.21	- 9.875	-8.309	+0.007	44	8.16
1537	4 B. Ursæ Minoris S.P.....	7.0	7.0	58 2.64	65.529	32.934	+0.035	+88 55 59.41	9.875	8.309	+0.007	39 41	7.38 7.29
1538	B. D. +21°1753.....	7.3	7.3	58 36.278	3.5249	0.0114	.....	+21 17 22.72	9.918	0.442	.....	4	4.87
1539*	B. D. +19°1911.....	6.1	6.1	58 58.498	3.4747	0.0103	-0.0020	+19 7 30.22	9.946	0.436	-0.046	4	4.88
1540	B. D. +13°1831.....	5.1	8.0	7 59 30.253	+3.3485	-0.0080	-0.0022	+13 24 12.00	- 9.986	-0.419	-0.078	4	4.92
1541	B. D. +18°1839.....	7.7*	7.7	7 59 37.721	+3.4466	-0.0099	.....	+17 54 20.62	- 9.995	-0.431	.....	4	4.88
1542	B. D. +23°1887.....	6.2	6.2	8 0 22.911	3.5613	0.0123	-0.0014	+22 55 16.77	10.052	0.445	-0.015	4	4.95
1543*	B. D. +22°1854.....	7.2	7.2	8 0 40.195	3.5667	0.0123	-0.0088	+22 44 38.47	10.074	0.444	-0.031	4	4.92
1544	27 Lyncis.....	4.9	7.8	8 0 56.170	4.5394	0.0416	-0.0058	+51 47 42.30	10.094	0.568	-0.008	11	6.48
1545	B. D. +20°2003.....	7.8	7.8	8 1 37.808	+3.4943	-0.0110	.....	+20 6 24.50	-10.147	-0.435	.....	4	4.89

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude. Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
			h m s	s	s	s	° ' "	"	"	"		1900+
1546	B. D. +24°1863.....	8.5*	8 1 52.467	+3.5926	-0.0132	.....	+24 18 27.32	-10.165	-0.447	.....	4	4.89
1547	μ Cancr.	5.4	1 52.800	3.5347	0.0169	+0.0018	+21 52 19.81	10.166	0.440	-0.081	14	6.42
1548	B. D. +25°1853.....	9.1	2 5.867	3.6093	0.0136	.....	+25 0 15.90	10.182	0.449	.....	4	4.92
1549	B. D. +25°1854.....	8.2*	2 17.966	3.6297	0.0141	.....	+25 50 34.52	10.197	0.451	.....	4	4.88
1550	B. D. +19°1934.....	7.9*	8 2 21.441	+3.4799	-0.0108	.....	+19 30 28.75	-10.202	-0.432	.....	4	4.96
1551	B. D. +16°1642.....	8.4*	8 2 26.155	+3.4175	-0.0096	.....	+16 42 19.80	-10.207	-0.424	.....	4	4.91
1552	B. D. +27°1544.....	6.8	2 42.630	3.6776	0.0152	-0.0009	+27 46 17.82	10.228	0.456	-0.034	4	4.89
1553	3 H. Ursæ Majoris.....	5.5	2 51.844	6.0297	0.1199	+0.0008	+68 46 7.06	10.240	0.751	+0.005	12 11	5.56 5.72
1554	3 H. Ursæ Majoris s. p.	5.5	2 51.854	6.0297	0.1199	+0.0008	+68 46 7.22	10.240	0.751	+0.005	13	5.16
1555	B. D. +14°1831.....	6.3	8 3 7.108	+3.3572	-0.0085	+0.0002	+13 55 56.15	-10.259	-0.416	-0.033	4	4.89
1556	ρ Argūs.....	2.9	8 3 17.078	+2.5610	+0.0009	-0.0065	-24 0 56.37	-10.271	-0.316	+0.045	10	7.63
1557	B. D. +26°1728.....	6.7	4 10.488	3.6342	-0.0144	-0.0008	+26 8 19.87	10.338	0.450	-0.038	4	4.88
1558	φ Cancr.	5.8	4 25.809	3.6258	-0.0142	-0.0051	+25 48 37.52	10.357	0.448	-0.354	14	6.05
1559*	B. D. +15°1775.....	6.1	5 21.830	3.3766	-0.0090	-0.0007	+14 55 31.77	10.427	0.416	-0.013	4	4.88
1560	B. D. +16°1657.....	7.4	8 5 56.200	+3.4102	-0.0097	.....	+16 30 51.50	-10.470	-0.420	.....	4	4.96
1561	ζ Cancr.	5.1	8 6 28.651	+3.4410	-0.0104	+0.0046	+17 56 57.39	-10.510	-0.423	-0.140	15	5.96
1562	173 B. Camelopardalis.....	5.7	6 59.237	7.6518	0.2579	+0.0067	+76 3 43.91	10.548	0.944	+0.012	9 10	6.04 6.18
1563	173 B. Camelopardalis s.p.	5.7	6 59.242	7.6518	0.2579	+0.0067	+76 3 43.97	10.548	0.944	+0.012	10	6.28
1564*	B. D. +23°1913.....	6.4	7 46.187	3.5640	0.0132	-0.0017	+23 26 19.82	10.606	0.436	-0.022	4	4.89
1565	B. D. +22°1886.....	8.7*	8 7 56.920	+3.5438	-0.0128	.....	+22 34 51.50	-10.619	-0.435	.....	4	4.87
1566	B. D. +21°1792.....	6.8	8 8 36.917	+3.5069	-0.0120	.....	+21 0 37.35	-10.669	-0.428	.....	4	4.90
1567	20 Puppis.....	5.0	8 44.185	2.7589	0.0004	-0.0009	-15 29 12.09	10.678	0.336	-0.007	13	5.41
1568	B. D. +25°1880.....	8.9	8 44.190	3.6007	0.0142	.....	+25 2 16.45	10.678	0.440	.....	4	4.92
1569	B. D. +13°1868.....	6.5	8 47.473	3.3408	0.0086	.....	+13 21 4.77	10.682	0.408	.....	4	4.88
1570	B. D. +19°1963.....	7.4*	8 10 13.073	+3.4602	-0.0111	.....	+18 59 59.87	-10.787	-0.421	.....	4	4.95
1571	β Cancr.	3.8	8 11 5.525	+3.2603	-0.0072	-0.0035	+ 9 29 38.11	-10.852	-0.395	-0.054	64 62	6.18 6.10
1572	58 Camelopardalis.....	5.9	12 21.682	4.8681	0.0616	+0.0072	+58 3 18.22	10.945	0.590	+0.018	9	8.35
1573*	B. D. +16°1679.....	6.6	12 35.719	3.3930	0.0099	-0.0009	+15 59 18.42	10.962	0.409	-0.017	4	4.90
1574	χ Cancr.	5.2	13 59.416	3.6535	0.0162	-0.0009	+27 32 28.12	11.064	0.439	-0.388	14	5.20
1575	B. D. +19°1979.....	9.0	8 14 14.721	+3.4726	-0.0118	.....	+19 46 0.95	-11.082	-0.417	.....	4	4.88
1576	B. D. +21°1817.....	5.9	8 14 31.039	+3.5009	-0.0125	+0.0050	+21 3 47.75	-11.102	-0.421	-0.057	4	4.88
1577	B. D. +24°1909.....	5.9	14 35.394	3.5756	0.0143	-0.0011	+24 20 14.52	11.108	0.429	-0.031	4	4.91
1578	B. D. +25°1903.....	7.4	14 41.145	3.6065	0.0151	.....	+25 39 5.45	11.115	0.333	.....	4	4.88
1579	B. D. +22°1915.....	7.4	15 36.210	3.5256	0.0132	.....	+22 13 36.85	11.181	0.422	.....	4	4.95
1580	B. D. +23°1939.....	8.3*	8 15 56.897	+3.5489	-0.0138	.....	+23 16 12.77	-11.206	-0.424	.....	4	4.90
1581	31 Lynceis.....	4.4	8 15 59.443	+4.1241	-0.0313	-0.0008	+43 30 32.35	-11.210	-0.494	-0.107	13	5.39
1582	B. D. +18°1923.....	8.2	16 11.474	3.4304	0.0110	.....	+17 55 9.25	11.224	0.410	.....	4	4.95
1583	B. D. +14°1879.....	7.1	16 19.258	3.3471	0.0092	.....	+13 56 31.95	11.233	0.399	.....	4	4.88
1584	B. D. +15°1805.....	7.5	16 20.744	3.3707	0.0097	.....	+15 5 10.62	11.235	0.402	.....	4	4.88
1585	B. D. +16°1704.....	6.7	8 16 52.608	+3.3993	-0.0104	.....	+16 28 54.72	-11.274	-0.405	.....	4	4.91
1586	B. D. +61°1047.....	9.0*	8 16 56.186	+5.1126	-0.0773	.....	+61 33 44.05	-11.278	-0.611	.....	2	7.84
1587	d ¹ Cancr.	5.9	17 38.280	3.4446	0.0114	-0.0039	+18 39 12.54	11.329	0.409	-0.032	14 15	5.28 5.25
1588	B. D. +20°2079.....	7.2	19 1.547	3.4824	0.0125	.....	+20 28 35.20	11.428	0.412	.....	4	4.95
1589*	B. D. +17°1836.....	7.0	19 3.992	3.4187	0.0110	+0.0012	+17 30 30.37	11.432	0.405	-0.110	4	4.90
1590	B. D. +17°1842.....	6.2	8 20 10.161	+3.4147	-0.0110	-0.0130	+17 22 32.62	-11.511	-0.402	-0.161	4	4.94
1591	30 Monocerotis.....	4.0	8 20 39.786	+3.0040	-0.0032	-0.0044	- 3 34 47.99	-11.546	-0.353	-0.025	72 65	6.60 6.41
1592	B. D. +25°1920 (south).....	7.1	20 42.940	3.5785	0.0150	-0.0029	+24 51 46.45	11.550	0.421	-0.087	4	4.91
1593	B. D. +27°1612 (pr.).....	6.3	20 44.124	3.6352	0.0166	-0.0005	+27 15 40.60	11.551	0.428	-0.008	2	5.61
1594	B. D. +27°1612 (mean).....	5.6	20 44.307	3.6352	0.0166	-0.0005	+27 15 42.80	11.551	0.428	-0.008	2	4.20
1595	B. D. +27°1612 (fol.).....	6.3	8 20 44.354	+3.6352	-0.0166	-0.0005	+27 15 44.95	-11.551	-0.428	-0.009	2	5.61
1596	B. D. +13°1912.....	5.8	8 21 12.068	+3.3238	-0.0090	-0.0017	+12 59 4.92	-11.584	-0.390	-0.113	4	4.91
1597	B. D. +19°2012.....	8.4*	21 19.597	3.4602	0.0121	.....	+19 34 56.78	11.593	0.406	.....	5 6	5.15 5.29
1598	B. D. +23°1960.....	7.9*	21 31.871	3.5457	0.0143	.....	+23 28 50.90	11.608	0.416	.....	4	4.95
1599	o Ursæ Majoris.....	3.5	21 57.402	5.0397	0.0765	-0.0167	+61 3 8.65	11.638	0.593	-0.114	11	6.47
1600	B. D. +16°1729.....	8.6*	8 22 13.886	+3.3916	-0.0106	.....	+16 21 48.44	-11.658	-0.397	.....	4 5	4.91 4.98
1601	B. D. +21°1844.....	7.0	8 22 17.742	+3.5001	-0.0132	.....	+21 28 54.07	-11.662	-0.410	.....	4	4.95
1602	B. D. +24°1931.....	6.1	22 41.038	3.5666	0.0150	-0.0020	+24 28 36.92	11.690	0.418	-0.071	4	4.88
1603	29 Cancr.	5.9	23 2.492	3.3536	0.0098	-0.0009	+14 32 31.91	11.716	0.392	-0.018	14	5.69
1604	B. D. +22°1941.....	9.1*	24 5.693	3.5170	0.0138	.....	+22 21 47.20	11.790	0.410	.....	4	4.92
1605	Groombridge 1418.....	7.4	8 25 20.11	+16.478	-2.153	-0.079	+85 24 28.55	-11.878	-1.930	-0.085	11	6.47
1606	Groombridge 1418 s.p.	7.4	8 25 20.09	+16.478	-2.153	-0.079	+85 24 28.45	-11.878	-1.930	-0.085	10	8.02
1607	B. D. +24°1940.....	5.7	25 35.766	3.5607	0.0151	-0.0062	+24 25 6.82	11.896	0.413	-0.063	4	4.88
1608	θ Cancr.	5.6	25 53.641	3.4305	0.0118	-0.0037	+18 25 57.43	11.917	0.397	-0.069	13	6.13
1609	B. D. +60°1139.....	9.2*	26 15.539	4.9818	0.0761	.....	+60 39 26.70	11.943	0.579	.....	2	7.90
1610	110 B. Lynceis.....	6.0	8 26 24.988	+3.9214	-0.0266	-0.0090	+38 21 33.64	-11.954	-0.454	-0.175	12	5.53

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Num- ber of Observations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1611	η Cancr.	5.5	8.4	8 26 55.554	+3.4788	-0.0131	-0.0026	+20 46 51.73	-11.990	-0.401	-0.054	59 51	7.38 7.19
1612	B. D. +16°1754	7.8*	7.8	27 0 6.18	3.3810	0.0107	.....	+16 4 42.80	11.995	0.390	.....	4	4.95
1613	B. D. +24°1946	6.4	6.4	27 5 45.7	3.5585	0.0152	-0.0047	+24 25 30.60	12.001	0.410	-0.065	4	4.89
1614	B. D. +15°1845	8.3	8.3	28 11 1.83	3.3585	0.0102	.....	+15 0 54.12	12.077	0.386	.....	4	4.90
1615*	B. D. +13°1940	6.4	6.4	8 28 12.669	+3.3804	-0.0096	-0.0023	+13 35 58.37	-12.079	-0.383	-0.095	4	4.92
1616	181 B. Camelopardalis	6.3	6.3	8 28 35.636	+6.7822	-0.2204	-0.0042	+73 58 44.92	-12.106	-0.783	-0.105	10 11	7.10 7.02
1617	181 B. Camelopardalis s.p.	6.3	6.3	28 35 752	6.7822	0.2204	-0.0042	+73 58 44.94	12.106	0.783	-0.105	10 11	6.88 6.89
1618	B. D. +20°2118	6.6	6.6	29 34.554	3.4574	0.0128	-0.0029	+19 56 3.12	12.174	0.396	-0.018	4	4.91
1619*	B. D. +15°1851	6.3	6.3	30 31 276	3.3690	0.0107	+0.0006	+15 39 34.80	12.240	0.384	-0.027	4	4.96
1620	B. D. +22°1962	7.8*	7.8	8 30 49.685	+3.5107	-0.0144	.....	+22 31 11.27	-12.261	-0.400	.....	4	4.90
1621	B. D. +13°1991	8.8*	8.8	8 30 57.597	+3.4324	-0.0123	.....	+13 48 56.97	-12.270	-0.390	.....	4	4.92
1622	27 B. Ursæ Majoris	6.0	8.9	31 53 101	4.4736	0.0517	-0.0026	+53 3 43.61	12.334	0.509	-0.032	10 8	5.17 5.33
1623	B. D. +19°2053	6.7	6.7	32 2 871	3.4476	0.0127	.....	+19 36 57.77	12.345	0.391	.....	4	4.89
1624	δ Hydræ	4.2	7.1	32 21 706	3.1839	0.0066	-0.0049	+ 6 3 9.14	12.367	0.360	-0.011	6	7.28
1625	B. D. +20°2136	8.1*	8.1	8 32 37.029	+3.4665	-0.0133	.....	+20 33 25.65	-12.385	-0.392	.....	4	4.92
1626	B. D. +17°1896	7.9*	7.9	8 32 49.351	+3.4016	-0.0116	.....	+17 24 35.02	-12.399	-0.384	.....	4	4.94
1627*	B. D. +24°1968	6.8	6.8	32 52 510	3.5407	0.0154	-0.0051	+24 2 23.95	12.402	0.400	-0.193	4	4.92
1628	B. D. +20°2144	8.6	8.6	33 24 726	3.4526	0.0130	-0.0015	+19 56 37.65	12.439	0.389	-0.019	4	4.93
1629	σ Hydræ	4.5	7.4	33 31 835	3.1400	0.0058	-0.0012	+ 3 41 33.69	12.447	0.354	-0.020	11	6.39
1630	B. D. +20°2149	6.7	6.7	8 33 57.963	+3.4558	-0.0131	-0.0023	+20 7 50.97	-12.477	-0.389	-0.016	4	4.90
1631*	B. D. +20°2150	6.7	6.7	8 34 6.503	+3.4507	-0.0130	-0.0006	+19 53 36.60	-12.487	-0.388	-0.029	4	5.40
1632	B. D. +20°2158	6.5	6.5	34 21 303	3.4600	0.0133	-0.0027	+20 21 39.75	12.504	0.389	-0.022	4	4.90
1633	B. D. +20°2159	6.5	6.5	34 26 417	3.4592	0.0133	-0.0023	+20 19 28.17	12.510	0.388	-0.017	4	5.38
1634	B. D. +19°2069	6.8	6.8	34 36 382	3.4461	0.0129	.....	+19 42 9.62	12.521	0.387	.....	4	4.94
1635	B. D. +20°2166	6.4	6.4	8 34 37.667	+3.4527	-0.0131	-0.0025	+20 1 25.05	-12.521	-0.388	-0.022	4	5.91
1636	B. D. +20°2171	6.3	6.3	8 34 42.883	+3.4500	-0.0131	-0.0022	+19 53 55.05	-12.528	-0.387	-0.018	4	5.38
1637	19 G. Pyxidis	5.1	8.0	34 45 135	2.6440	+0.0012	-0.0169	-22 19 14.65	12.531	0.295	+0.416	11	6.89
1638	B. D. +20°2172	6.7	6.7	34 58 785	3.4532	-0.0132	-0.0012	+20 4 25.12	12.546	0.387	-0.012	4	5.93
1639	B. D. +14°1946	8.0	8.0	35 2 388	3.3464	-0.0104	.....	+14 43 58.97	12.550	0.375	.....	4	4.92
1640	B. D. +20°2175	6.8	6.8	8 35 12.157	+3.4501	-0.0131	-0.0027	+19 56 6.45	-12.562	-0.386	-0.016	4	5.38
1641	6 Hydræ	5.2	8.1	8 35 17.169	+2.8487	-0.0010	-0.0059	-12 7 18.56	-12.567	-0.318	-0.004	10	8.21
1642	B. D. +20°2178	6.6	6.6	35 29 149	3.4682	-0.0136	.....	+20 49 54.77	12.581	0.388	.....	4	5.38
1643*	B. D. +20°2185	7.0	7.0	36 5 458	3.4550	-0.0133	-0.0021	+20 13 50.50	12.622	0.386	-0.012	4	4.94
1644	β Pyxidis	4.0	8.9	36 11 271	2.3468	+0.0028	+0.0004	-34 57 11.87	12.629	0.261	-0.019	10	6.12
1645	B. D. +16°1802	7.8*	7.8	8 37 16.242	+3.3847	-0.0115	.....	+16 48 29.60	-12.702	-0.376	.....	4	4.91
1646*	B. D. +18°2022	7.9	7.9	8 37 27.129	+3.4182	-0.0124	-0.0014	+13 30 33.47	-12.714	-0.380	+0.010	4	4.94
1647	γ Cancr.	4.7	7.6	37 29 935	3.4861	0.0143	-0.0073	+21 49 41.81	12.718	0.387	-0.050	58 49	6.29 5.92
1648	B. D. +13°1972	5.7	8.6	37 41 716	3.3114	0.0097	+0.0007	+13 2 23.47	12.731	0.367	-0.004	4	4.94
1649	δ Cancr.	4.2	7.1	39 0 155	3.4166	0.0125	-0.0012	+13 31 17.75	12.819	0.377	-0.239	60 47	8.20 8.10
1650	B. D. +10°1864	5.6	8.5	8 39 19.407	+3.2615	-0.0086	-0.0010	+10 26 38.17	-12.840	-0.360	-0.026	4	4.90
1651	α Mali.	3.7	8.6	8 39 34.423	+2.4109	+0.0028	-0.0009	-32 49 32.10	-12.857	-0.264	+0.006	10	7.12
1652	B. D. +20°2207	8.1*	8.1	40 5 215	3.4527	-0.0136	.....	+20 23 15.20	12.892	0.380	.....	4	4.92
1653	B. D. +21°1909	6.9	6.9	40 34 631	3.4641	-0.0140	.....	+20 58 54.35	12.924	0.381	.....	4	4.94
1654	B. D. +14°1971	8.1	8.1	40 38 757	3.3551	-0.0105	.....	+14 25 36.52	12.929	0.366	.....	4	4.92
1655	ϵ Cancr.	4.2	7.1	8 40 38.787	+3.6414	-0.0195	-0.0015	+29 7 32.78	-12.929	-0.400	-0.050	51 45	8.12 8.06
1656	B. D. +22°1988	8.0	8.0	8 40 39.920	+3.4999	-0.0150	.....	+22 43 1.80	-12.930	-0.384	.....	4	4.94
1657	B. D. +16°1815	8.8*	8.8	40 43 297	3.3729	0.0115	.....	+16 24 4.67	12.934	0.370	.....	4	4.92
1658	B. D. +12°1904	5.7	8.6	41 27 111	3.2977	0.0096	-0.0050	+12 28 37.92	12.983	0.361	-0.065	4	4.94
1659	ϵ Hydræ	3.5	8.4	41 28 755	3.1935	0.0071	-0.0127	+ 6 47 8.96	12.985	0.349	-0.054	44 37	6.98 6.70
1660	B. D. +17°1941	7.5*	7.5	8 42 27.198	+3.3975	-0.0122	.....	+17 45 48.22	-13.049	-0.370	.....	5	4.75
1661	14 Hydræ	5.2	8.1	8 44 20.177	+3.0183	-0.0035	-0.0014	- 3 4 18.08	-13.174	-0.326	-0.024	9	7.80
1662*	B. D. +18°2057	6.7	6.7	45 0 495	3.4061	0.0127	+0.0026	+18 22 32.02	13.219	0.367	+0.018	4	4.93
1663*	B. D. +19°2110	6.1	6.1	45 3 620	3.4223	0.0132	-0.0011	+19 12 18.95	13.222	0.369	-0.001	4	4.86
1664	B. D. +15°1917	6.3	6.3	45 27 286	3.3547	0.0113	-0.0079	+15 43 18.12	13.248	0.362	+0.068	4	4.93
1665	B. D. +16°1833	7.2	7.2	8 45 34.937	+3.3669	-0.0116	-0.0022	+16 22 21.07	-13.256	-0.363	+0.010	4	4.93
1666	B. D. +21°1926	9.1*	9.1	8 45 36.787	+3.4663	-0.0145	.....	+21 27 16.25	-13.258	-0.373	.....	4	4.92
1667	γ Pyxidis	4.2	7.1	46 17 200	2.5554	+0.0025	-0.0103	-27 20 19.48	13.302	0.273	+0.081	12	6.40
1668	ρ^1 Cancr.	6.1	6.1	46 38 278	3.6193	-0.0196	-0.0365	+23 42 44.88	13.323	0.388	-0.245	10	6.62
1669	B. D. +13°2007	8.2*	8.2	46 53 791	3.3139	-0.0103	.....	+13 36 41.20	13.342	0.355	.....	4	4.94
1670	σ^2 Cancr. (mean)	5.6	8.5	8 48 8.666	+3.6678	-0.0215	+0.0030	+30 57 29.82	-13.423	-0.391	-0.033	10	6.55
1671	B. D. +20°2232	6.8	6.8	8 48 12.144	+3.4403	-0.0139	.....	+20 20 43.57	-13.427	-0.367	.....	4	4.90
1672	B. D. +14°1989	7.0	7.0	48 14 095	3.3236	0.0106	.....	+14 12 31.55	13.429	0.354	.....	4	4.93
1673*	B. D. +22°2014	7.6	7.6	48 31 761	3.4848	0.0153	-0.0070	+22 35 44.32	13.448	0.372	-0.208	4	4.86
1674*	B. D. +17°1973	var.	7.0	49 44 942	3.3854	0.0124	+0.0009	+17 36 42.95	13.527	0.359	+0.013	4	4.93
1675	ϵ Hydræ	3.3	8.2	8 50 6.423	+3.1815	-0.0071	-0.0069	+ 6 19 35.23	-13.550	-0.337	+0.009	39 35	8.23 8.24

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				<i>h m s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>° ' "</i>	<i>"</i>	<i>"</i>	<i>"</i>		1900+
1676	60 Cancri.....	5.7	8.6	8 50 27.935	+3.2815	-0.0096	-0.0002	+12 0 29.91	-13.574	-0.347	-0.021	14	6.57
1677	B. D. +15°1945.....	5.2	8.1	51 40.352	3.3476	0.0115	+0.0041	+15 42 23.45	13.651	0.351	+0.017	4	4.92
1678	B. D. +16°1864.....	5.6	8.5	52 0.152	3.3520	0.0116	+0.0042	+15 57 56.10	13.672	0.351	+0.022	4	4.94
1679	B. D. +19°2131.....	8.6	8.6	52 13.933	3.4214	0.0137	.....	+19 40 8.52	13.687	0.359	.....	4	4.87
1680	ε Ursæ Majoris.....	3.1	8.0	8 52 21.418	+4.1729	-0.0446	-0.0438	+48 26 2.41	-13.695	-0.439	-0.249	10	8.01
1681	B. D. +18°2090.....	6.6	6.6	8 52 38.869	+3.4022	-0.0132	.....	+18 41 42.00	-13.713	-0.356	.....	4	4.93
1682	α Cancri.....	4.3	7.2	53 1.124	3.2836	0.0098	+0.0025	+12 14 42.07	13.737	0.343	-0.039	51 48	8.79 8.83
1683*	B. D. +21°1952.....	7.5	7.5	53 11.294	3.4566	0.0148	-0.0026	+21 33 16.10	13.748	0.361	-0.064	4	4.93
1684	ρ Ursæ Majoris.....	5.0	7.9	53 31.910	5.4788	0.1361	-0.0026	+68 1 10.18	13.770	0.574	+0.015	10 9	7.35 7.58
1685	ρ Ursæ Majoris s. p.....	5.0	7.9	8 53 31.955	+5.4788	-0.1361	-0.0026	+68 1 10.42	-13.770	-0.574	+0.015	10	5.74
1686	B. D. +18°2093.....	6.6	6.6	8 53 31.924	+3.3978	-0.0130	-0.0029	+18 31 27.40	-13.770	-0.354	-0.079	4	4.93
1687*	B. D. +13°2021.....	6.8	6.8	53 57.060	3.3045	0.0104	-0.0014	+13 27 46.22	13.796	0.343	.....	4	4.92
1688	10 Ursæ Majoris.....	4.1	7.0	54 8.649	3.9502	0.0343	-0.0388	+42 10 42.37	13.809	0.412	-0.261	8	7.70
1689	B. D. +17°1990.....	7.1	7.1	56 6.896	3.3748	0.0126	-0.0018	+17 28 24.40	13.933	0.347	-0.017	4	4.94
1690	B. D. +15°1962.....	8.5	8.5	8 56 30.212	+3.3292	-0.0112	.....	+14 59 29.77	-13.957	-0.342	.....	4	4.88
1691	44 B. Ursæ Majoris.....	5.7	8.6	8 56 40.911	+4.4251	-0.0604	+0.0004	+54 40 41.20	-13.969	-0.456	-0.002	11	5.93
1692	κ Ursæ Majoris.....	3.7	8.6	56 47.975	4.1199	0.0433	-0.0030	+47 33 7.62	13.976	0.425	-0.066	11	5.70
1693	ν Cancri.....	5.4	8.3	56 53.523	3.5158	0.0172	0.0000	+24 50 47.70	13.982	0.361	-0.005	14 13	5.64 5.74
1694	B. D. +22°2039.....	7.7*	7.7	57 0.193	3.4574	0.0153	.....	+21 54 45.75	13.989	0.355	.....	4	4.86
1695	B. D. +23°2035.....	8.1	8.1	8 57 37.299	+3.4777	-0.0160	.....	+23 0 22.80	-14.027	-0.355	.....	4	4.93
1696	B. D. +18°2114.....	8.8*	8.8	8 58 43.591	+3.3935	-0.0134	.....	+18 40 32.17	-14.096	-0.346	.....	4	4.93
1697	B. D. +12°1960.....	8.8*	8.8	59 1.819	3.2847	0.0101	.....	+12 36 56.97	14.115	0.334	.....	4	4.94
1698	B. D. +19°2153.....	8.0	8.0	8 59 48.533	3.4135	0.0141	.....	+19 50 5.32	14.164	0.346	.....	4	4.94
1699	B. D. +17°2004.....	8.0	8.0	9 0 8.793	3.3754	0.0129	-0.0014	+17 47 21.25	14.184	0.341	-0.011	4	4.91
1700	145 B. Lyncis.....	4.7	7.6	9 0 10.174	+3.8330	-0.0304	-0.0030	+38 51 7.44	-14.186	-0.389	-0.025	9	7.24
1701	B. D. +16°1901.....	7.3	7.3	9 0 38.494	+3.3472	-0.0120	.....	+16 15 43.52	-14.215	-0.338	.....	4	4.86
1702*	B. D. +17°2007.....	7.6	7.6	0 39.225	3.3697	0.0127	-0.0002	+17 30 47.65	14.216	0.340	-0.076	4	5.39
1703	ω Hydræ.....	5.4	8.3	0 42.489	3.1629	0.0068	-0.0014	+5 29 31.22	14.219	0.319	-0.003	9	6.44
1704*	B. D. +15°1977.....	8.0*	8.0	0 48.653	3.3366	0.0117	-0.0029	+15 40 29.17	14.225	0.337	+0.012	4	4.93
1705*	B. D. +21°1969.....	7.7	7.7	9 1 1.011	+3.4319	-0.0147	-0.0074	+20 54 54.97	-14.238	-0.347	-0.179	4	4.94
1706	σ ² Ursæ Majoris.....	4.9	7.8	9 1 35.830	+5.3424	-0.1330	-0.0009	+67 32 25.50	-14.274	-0.541	-0.070	9	6.18
1707	σ ² Ursæ Majoris s. p.....	4.9	7.8	1 35.832	5.3424	0.1330	-0.0009	+67 32 25.23	14.274	0.541	-0.070	9	6.36
1708	B. D. +23°2048 (south).....	7.3	7.3	1 40.856	3.4779	0.0165	.....	+23 22 49.45	14.279	0.350	.....	4	5.70
1709	B. D. +23°2048 (mean).....	6.3	6.3	1 41.00	3.4779	0.0165	.....	+23 22 53.5	14.279	0.350	.....	1	4.19
1710	B. D. +23°2048 (north).....	6.8	6.8	9 1 41.050	+3.4779	-0.0165	-0.0117	+23 22 56.85	-14.279	-0.350	0.000	4	5.70
1711	κ Cancri.....	5.1	8.0	9 2 19.857	+3.2554	-0.0094	-0.0013	+11 4 15.19	-14.319	-0.326	-0.011	52	7.14
1712	B. D. +15°1984.....	7.5	7.5	2 36.644	3.3247	0.0115	.....	+15 6 52.52	14.336	0.333	.....	4	4.90
1713	B. D. +17°2018.....	7.9*	7.9	2 58.949	3.3594	0.0126	.....	+17 6 20.37	14.359	0.336	.....	4	4.93
1714	B. D. +18°2129.....	7.4	7.4	3 25.917	3.3725	0.0130	-0.0033	+17 52 29.77	14.386	0.337	-0.042	4	4.86
1715	ξ Cancri.....	5.2	8.1	9 3 36.612	+3.4566	-0.0159	+0.0003	+22 27 0.16	-14.397	-0.345	-0.007	14	5.40
1716*	B. D. +12°1979.....	6.5	6.5	9 4 20.325	+3.2689	-0.0098	-0.0007	+11 58 18.50	-14.441	-0.324	-0.079	4	4.93
1717	B. D. +22°2063.....	6.1	6.1	4 36.188	3.4540	0.0159	+0.0006	+22 24 9.92	14.457	0.343	-0.005	4	4.92
1718	B. D. +19°2171.....	8.1*	8.1	5 14.582	3.3955	0.0139	.....	+19 17 45.62	14.496	0.336	.....	4	4.94
1719	B. D. +13°2051.....	8.5*	8.5	5 57.284	3.2898	0.0106	.....	+13 17 58.22	14.539	0.324	.....	4	4.89
1720	B. D. +20°2282.....	8.9*	8.9	9 6 4.480	+3.4210	-0.0148	.....	+20 45 46.67	-14.546	-0.337	.....	4	4.93
1721	B. D. + 9°2133.....	7.1	7.1	9 6 4.893	+3.2243	-0.0086	.....	+ 9 23 6.97	-14.546	-0.317	.....	4	4.86
1722	B. D. +18°2138.....	6.8	6.8	6 19.904	3.3789	0.0134	-0.0024	+18 27 13.92	14.562	0.333	-0.030	4	4.93
1723	B. D. +15°2003.....	6.4	6.4	6 49.115	3.3248	0.0117	-0.0363	+15 23 58.47	14.591	0.326	+0.235	4	4.93
1724	36 Lyncis.....	5.3	8.2	7 15.878	3.9442	0.0376	-0.0021	+43 37 48.45	14.618	0.387	-0.047	10	6.40
1725	B. D. +21°1991.....	6.1	6.1	9 7 54.612	+3.4351	-0.0155	-0.0007	+21 41 43.22	-14.656	-0.335	-0.025	4	4.92
1726	B. D. +10°1956.....	7.7*	7.7	9 7 59.743	+3.2449	-0.0093	.....	+10 43 7.50	-14.661	-0.316	.....	4	4.94
1727	θ Hydræ.....	3.8	8.7	9 9.764	3.1157	0.0057	+0.0087	+ 2 44 9.08	14.730	0.302	-0.312	70 68	6.75 6.68
1728	B. D. +16°1930.....	7.9*	7.9	9 24.501	3.3392	0.0123	.....	+16 25 8.40	14.745	0.324	.....	4	4.87
1729	B. D. +15°2009.....	5.6	8.5	9 42.620	3.3206	0.0117	-0.0025	+15 21 23.77	14.763	0.321	-0.018	4	4.93
1730	B. D. +20°2293.....	8.7*	8.7	9 10 24.100	+3.4091	-0.0148	.....	+20 29 21.60	-14.804	-0.329	.....	4	4.86
1731	B. D. +19°2187.....	6.9	6.9	9 10 50.301	+3.3860	-0.0140	.....	+19 13 37.80	-14.830	-0.326	.....	4	4.93
1732	B. D. +13°2066.....	8.7*	8.7	11 53.578	3.2871	0.0108	.....	+13 29 59.97	14.891	0.314	.....	4	4.94
1733	B. D. +23°2072.....	7.1	7.1	12 0.598	3.4611	0.0168	.....	+23 29 51.42	14.898	0.331	.....	4	4.93
1734	B. D. +17°2053.....	7.9*	7.9	12 4.009	3.3478	0.0128	.....	+17 7 25.15	14.902	0.320	.....	4	4.94
1735*	B. D. +12°2009.....	6.3	6.3	9 12 25.846	+3.2607	-0.0100	+0.0046	+11 55 12.80	-14.923	-0.311	-0.007	4	4.87
1736	B. D. + 8°2199.....	7.2	7.2	9 12 30.955	+3.2035	-0.0082	.....	+ 8 21 54.97	-14.928	-0.305	.....	4	4.93
1737	38 Lyncis.....	3.8	8.7	12 37.365	3.7497	0.0292	-0.0021	+37 13 32.62	14.934	0.358	-0.135	10	6.59
1738	83 Cancri.....	6.6	6.6	13 23.962	3.3632	0.0134	-0.0081	+18 7 45.34	14.980	0.320	-0.138	71 69	6.87 6.86
1739	B. D. +10°1972.....	7.4	7.4	14 7.855	3.2318	0.0091	.....	+10 12 42.17	15.022	0.306	.....	4	4.93
1740	40 Lyncis.....	3.3	8.2	9 14 57.772	+3.6852	-0.0266	-0.0176	+34 48 55.97	-15.070	-0.348	+0.010	12	5.56

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Num- ber of Obser- vations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1741	B. D. +15°2027.....	6.5	6.5	9 15 44.140	+3.3207	-0.0121	.....	+15 47 44.92	-15.114	-0.312	.....	4	4.94
1742	B. D. +13°2074.....	6.6	6.6	15 50.926	3.2836	0.0108	.....	+13 32 17.05	15.121	0.308	.....	4	4.93
1743	B. D. +17°2065.....	6.8	6.8	15 52.152	3.3410	0.0128	.....	+17 1 26.55	15.122	0.313	.....	4	4.94
1744	B. D. +19°2201.....	7.7	7.7	16 10.551	3.3770	0.0141	.....	+19 10 27.60	15.140	0.316	.....	4	4.87
1745	B. D. +22°2082.....	8.3*	8.3	9 16 17.573	+3.4247	-0.0159	.....	+21 55 26.67	-15.146	-0.321	.....	4	4.93
1746	<i>h</i> Mali.....	4.9	7.8	9 17 3.926	+2.6556	+0.0035	-0.0015	-25 32 22.76	-15.190	-0.246	-0.009	10	6.74
1747	B. D. +20°2314.....	7.8	7.8	18 8.662	3.4017	-0.0152	.....	+20 47 30.00	15.252	0.315	.....	4	4.86
1748	B. D. +11°2027.....	8.9*	8.9	18 16.820	3.2485	-0.0098	.....	+11 29 23.07	15.260	0.301	.....	4	4.93
1749	B. D. +18°2182.....	7.1	7.1	18 55.858	3.3625	-0.0138	.....	+18 34 18.08	15.297	0.310	.....	4	4.95
1750	B. D. +20°2318.....	6.7	6.7	9 19 7.655	+3.3902	-0.0148	-0.0062	+20 13 9.47	-15.308	-0.313	-0.121	4	4.93
1751	B. D. +11°2035.....	8.4*	8.4	9 19 39.263	+3.2372	-0.0095	.....	+10 50 45.95	-15.338	-0.297	.....	4	4.94
1752	B. D. +17°2078.....	6.3	6.3	20 0.153	3.3352	0.0128	-0.0053	+17 1 1.62	15.357	0.306	-0.020	4	4.87
1753	28 Hydræ.....	5.8	8.7	20 24.016	3.0021	0.0027	-0.0014	-4 41 9.67	15.379	0.274	-0.010	10	5.21
1754	B. D. +14°2095.....	7.1	7.1	21 27.746	3.2966	0.0115	.....	+14 44 15.05	15.439	0.300	.....	4	4.93
1755	α Hydræ.....	2.2	7.1	9 22 40.402	+2.9499	-0.0014	-0.0011	-8 13 29.44	-15.506	-0.266	+0.031	37 35	8.31 8.38
1756	1 H. Draconis.....	4.6	7.5	9 22 51.091	+8.9222	-0.7749	-0.0043	+81 46 6.87	-15.516	-0.817	-0.025	60 52	7.80 7.78
1757	1 H. Draconis s. p.	4.6	7.5	22 51.138	8.9222	0.7749	-0.0043	+81 46 6.82	15.516	0.817	-0.025	55 49	7.01 7.13
1758	B. D. + 9°2188.....	5.5	8.4	23 6.128	3.2136	0.0088	+0.0036	+9 29 33.20	15.530	0.289	-0.013	4	4.86
1759*	B. D. +13°2096.....	6.9	6.9	23 8.019	3.2646	0.0105	-0.0033	+12 49 16.62	15.532	0.295	-0.012	4	4.94
1760	B. D. + 8°2226.....	5.9	8.8	9 23 9.707	+3.2005	-0.0084	-0.0020	+8 37 29.15	-15.533	-0.288	-0.028	4	4.94
1761	B. D. +19°2218.....	8.2	8.2	9 23 23.691	+3.3749	-0.0146	.....	+19 43 25.65	-15.546	-0.304	.....	4	4.93
1762	<i>h</i> Ursæ Majoris.....	3.8	8.7	23 39.011	4.7624	0.1028	+0.0170	+63 29 57.34	15.560	0.431	+0.025	10	7.35
1763	B. D. +21°2036.....	7.9*	7.9	23 43.679	3.4016	0.0156	.....	+21 21 5.07	15.564	0.306	.....	4	4.94
1764	B. D. +18°2207.....	7.5	7.5	23 59.016	3.3471	0.0136	.....	+18 5 20.35	15.578	0.300	.....	4	4.88
1765	B. D. +20°2100.....	6.8	6.8	9 24 43.160	+3.4151	-0.0163	.....	+22 15 5.85	-15.619	-0.306	.....	4	4.93
1766	B. D. +14°2101.....	7.6*	7.6	9 25 14.328	+3.2796	-0.0111	.....	+13 56 8.70	-15.647	-0.292	.....	4	4.86
1767	<i>d</i> Ursæ Majoris.....	4.6	7.5	25 38.661	5.3966	0.1690	-0.0113	+70 16 12.81	15.670	0.484	+0.070	10	8.26
1768	<i>d</i> Ursæ Majoris s. p.	4.6	7.5	25 38.720	5.3966	0.1690	-0.0113	+70 16 12.48	15.670	0.484	+0.070	10	6.75
1769	B. D. +23°2107.....	4.5	7.4	26 0.933	3.4325	0.0171	-0.0016	+23 24 33.10	15.690	0.304	-0.051	4	4.93
1770	B. D. +20°2332.....	7.4	7.4	9 26 6.773	+3.3823	-0.0151	.....	+20 26 54.35	-15.695	-0.300	.....	4	4.94
1771	B. D. +16°1984.....	7.8	7.8	9 26 8.338	+3.3140	-0.0124	.....	+16 12 37.87	-15.696	-0.294	.....	4	4.93
1772	θ Ursæ Majoris.....	3.3	8.2	26 9.413	4.1413	0.0559	-0.1026	+52 7 55.03	15.698	0.368	-0.549	9	8.52
1773	ξ Leonis.....	5.1	8.0	26 33.324	3.2448	0.0100	-0.0065	+11 44 33.86	15.719	0.287	-0.087	51 49	7.48
1774	B. D. +10°2014.....	5.3	8.2	26 35.964	3.2209	0.0091	-0.0005	+10 9 25.10	15.721	0.285	-0.023	4	4.94
1775	B. D. + 7°2147.....	7.5	7.5	9 27 14.656	+3.1812	-0.0078	.....	+7 30 19.92	-15.756	-0.280	.....	4	4.93
1776	10 Leonis Minoris.....	4.6	7.5	9 28 5.913	+3.6885	-0.0294	+0.0011	+36 50 29.77	-15.802	-0.324	-0.027	9	6.58
1777	160 G. Hydræ.....	5.2	8.1	28 36.166	2.7629	+0.0028	-0.0019	-20 40 22.39	15.830	0.240	-0.002	10	6.34
1778	B. D. + 8°2243.....	8.1*	8.1	29 22.162	3.1963	-0.0084	.....	+8 37 56.35	15.871	0.278	.....	4	4.86
1779	<i>A</i> Hydræ.....	5.7	8.6	29 33.254	2.9943	-0.0022	0.0000	+5 28 6.76	15.880	0.260	-0.057	10	6.11
1780*	B. D. +13°2117.....	6.7	6.7	9 29 34.051	+3.2621	-0.0107	-0.0012	+13 6 1.55	-15.881	-0.283	-0.013	4	4.90
1781	B. D. +15°2077.....	6.2	6.2	9 30 25.011	+3.2872	-0.0116	-0.0027	+14 49 34.07	-15.926	-0.284	-0.014	4	4.94
1782	B. D. +20°2340.....	7.2	7.2	30 25.239	3.3757	0.0152	.....	+20 29 30.92	15.927	0.292	.....	4	4.93
1783	B. D. +10°2026.....	8.5*	8.5	30 27.020	3.2200	0.0092	.....	+10 18 57.37	15.928	0.278	.....	4	4.94
1784	B. D. +19°2355.....	8.3*	8.3	30 51.125	3.3570	0.0144	.....	+19 22 33.15	15.949	0.290	.....	4	4.94
1785	B. D. +17°2109.....	5.9	8.8	9 31 31.561	+3.3172	-0.0129	-0.0007	+16 53 10.77	-15.985	-0.285	-0.019	4	4.93
1786	10 Leonis.....	5.1	8.0	9 31 55.888	+3.1752	-0.0077	-0.0044	+7 17 3.45	-16.006	-0.272	-0.007	15	6.25
1787	B. D. +18°2232.....	7.8*	7.8	32 32.225	3.3299	0.0134	.....	+17 48 22.97	16.038	0.284	.....	4	4.90
1788	B. D. +15°2087.....	6.6	6.6	32 33.849	3.2841	0.0117	-0.0050	+14 47 56.67	16.040	0.281	-0.095	4	4.94
1789	2 Sextantis.....	4.8	7.7	33 14.251	3.1436	0.0066	-0.0110	+5 6 3.86	16.075	0.267	-0.063	9	5.81
1790*	B. D. +20°2351.....	6.8	6.8	9 33 18.040	+3.3747	-0.0154	-0.0012	+20 44 55.52	-16.078	-0.287	-0.032	4	4.93
1791	B. D. +11°2071.....	7.6*	7.6	9 33 23.538	+3.2307	-0.0097	.....	+11 13 48.55	-16.083	-0.274	.....	4	4.94
1792	89 B. Ursæ Majoris.....	5.7	8.6	33 41.446	5.2244	0.1608	-0.0115	+69 41 33.21	16.099	0.447	-0.071	10	7.33
1793	89 B. Ursæ Majoris s. p.	5.7	8.6	33 41.484	5.2244	0.1608	-0.0115	+69 41 33.82	16.099	0.447	-0.071	10	5.92
1794	B. D. +12°2075.....	8.5*	8.5	34 10.334	3.2501	0.0104	.....	+12 37 6.77	16.124	0.275	.....	4	4.94
1795	<i>z</i> Hydræ.....	4.1	7.0	9 34 44.954	+3.0628	-0.0040	+0.0031	-0 41 19.31	-16.154	-0.258	-0.072	10	6.44
1796*	B. D. +13°2136.....	6.8	6.8	9 35 9.422	+3.2620	-0.0108	+0.0040	+13 30 36.25	-16.175	-0.274	-0.156	4	4.96
1797	κ Hydræ.....	5.0	7.9	35 30.721	2.8777	+0.0010	-0.0018	-13 52 42.44	16.193	0.240	-0.016	10	5.82
1798	σ Leonis.....	3.8	8.7	35 48.770	3.2159	-0.0092	-0.0098	+10 20 50.70	16.209	0.269	-0.039	48 44	6.36 6.20
1799	B. D. + 9°2226.....	6.9	6.9	35 54.859	3.2032	-0.0087	.....	+9 27 3.00	16.213	0.268	.....	4	4.90
1800	B. D. +16°2010.....	7.9*	7.9	9 36 16.789	+3.3003	-0.0125	.....	+16 12 36.42	-16.233	-0.275	.....	4	4.97
1801	B. D. +59°1257.....	9.8	9.8	9 36 25.826	+4.4179	-0.0828	.....	+59 47 16.80	-16.240	-0.371	.....	2	7.90
1802	B. D. +17°2120.....	8.1*	8.1	36 47.617	3.3194	0.0133	.....	+17 32 15.60	16.259	0.276	.....	4	4.92
1803*	B. D. +20°2366.....	7.0	7.0	37 46.618	3.3652	0.0154	+0.0023	+20 39 1.40	16.309	0.279	-0.035	4	4.94
1804	ψ Leonis.....	5.6	8.5	38 17.173	3.2724	0.0115	-0.0002	+14 28 46.13	16.335	0.270	-0.014	14	6.16
1805*	B. D. +19°2251.....	6.6	6.6	9 38 56.422	+3.3429	-0.0144	+0.0020	+19 19 24.52	-16.368	-0.275	-0.077	4	4.90

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1806	θ Antliae.....	5.0	7.9	9 39 44.610	+2.6759	+0.0053	-0.0045	-27 18 40.73	-16.409	-0.217	+0.023	10	7.10
1807	ϵ Leonis.....	3.1	8.0	40 10 54.5	3.4170	-0.0179	-0.0030	+24 14 5.74	16.430	0.278	-0.024	44 41	6.60 6.39
1808	14 Leonis Minoris.....	6.8	6.8	40 18 76.8	3.8531	-0.0422	+0.0056	+45 34 43.49	16.437	0.314	-0.143	11	7.70
1809	B. D. +14°2139.....	8.9*	8.9	40 37 35.6	3.2615	-0.0111	.....	+13 54 39.50	16.453	0.265	.....	4	4.87
1810	B. D. +7°2181.....	6.0	8.9	9 40 53.526	+3.1682	-0.0076	+0.0007	+7 10 12.67	-16.466	-0.257	-0.039	4	4.89
1811	B. D. +12°2090.....	5.9	5.9	9 41 0.124	+3.2380	-0.0102	-0.0011	+12 16 15.12	-16.472	-0.262	+0.004	4	4.97
1812	B. D. +9°2239.....	6.7	6.7	41 58 17.1	3.1927	0.0085	.....	+9 2 2.25	16.520	0.258	.....	4	4.92
1813	B. D. +12°2095.....	6.4	6.4	42 3 40.2	3.2336	0.0100	-0.0043	+12 1 51.32	16.524	0.260	+0.003	4	4.94
1814	B. D. +12°2096.....	var.	*	42 10 81.3	3.2316	0.0100	-0.0003	+11 53 34.35	16.530	0.259	-0.033	4	4.95
1815	B. D. +10°2054.....	7.6*	7.6	9 42 25.251	+3.2128	-0.0093	.....	+10 32 18.37	-16.542	-0.258	.....	4	4.90
1816	B. D. +18°2274.....	7.8	7.8	9 43 34.050	+3.3234	-0.0139	.....	+18 31 22.17	-16.598	-0.265	.....	4	4.87
1817	B. D. +15°2115.....	8.1*	8.1	43 45 39.9	3.2788	0.0120	.....	+15 25 22.67	16.608	0.261	.....	4	4.92
1818	ν Ursae Majoris.....	3.9	8.8	43 52 64.9	4.3425	0.0816	-0.0380	+59 30 32.11	16.614	0.348	-0.159	9	6.87
1819	B. D. +21°2113.....	6.0	8.9	44 14 31.6	3.3684	0.0160	-0.0031	+21 38 44.22	16.631	0.268	-0.023	4	4.97
1820	B. D. +19°2270.....	8.0	8.0	9 45 19.880	+3.3389	-0.0147	.....	+19 47 27.05	-16.684	-0.263	.....	4	4.92
1821	B. D. +12°2105.....	6.7	6.7	9 45 26.458	+3.2339	-0.0102	-0.0009	+12 18 34.27	-16.690	-0.254	-0.006	4	4.94
1822	23 Leonis.....	6.7	6.7	45 37 35.0	3.2503	0.0109	+0.0017	+13 32 2.45	16.698	0.256	-0.027	15	5.74
1823	B. D. +16°2039.....	8.5*	8.5	45 44 80.4	3.2952	0.0128	.....	+16 47 16.72	16.705	0.258	.....	4	4.90
1824	6 Sextantis.....	6.0	8.9	46 11 69.1	3.0237	0.0025	+0.0009	-3 46 28.11	16.726	0.236	-0.030	10	6.88
1825	μ Leonis.....	4.1	7.0	9 47 4.545	+3.4372	-0.0196	-0.0163	+26 28 40.75	-16.769	-0.267	-0.063	53 50	6.90 6.88
1826	B. D. +10°2065.....	8.9*	8.9	9 47 51.100	+3.2018	-0.0090	.....	+10 4 43.70	-16.806	-0.247	.....	4	4.87
1827	B. D. +11°2117.....	8.7*	8.7	47 59 23.5	3.2223	0.0098	.....	+11 38 31.00	16.812	0.249	.....	4	4.89
1828*	B. D. +6°2224.....	6.3	6.3	48 27 86.6	3.1541	0.0071	+0.0013	+6 25 46.80	16.835	0.243	.....	4	4.97
1829*	B. D. +8°2285.....	7.1	7.1	48 48 98.8	3.1811	0.0082	-0.0004	+8 32 48.25	16.852	0.244	-0.044	4	4.92
1830	B. D. +5°2248.....	7.0	7.0	9 48 53.088	+3.1409	-0.0066	-0.0021	+5 25 0.32	-16.855	-0.241	+0.007	4	4.94
1831	109 B. Ursae Majoris.....	6.0	8.9	9 49 26.927	+5.4832	-0.2211	-0.0148	+73 21 18.28	-16.881	-0.424	-0.047	11	7.16
1832	109 B. Ursae Majoris s. p.....	6.0	8.9	49 26 82.7	5.4832	0.2211	-0.0148	+73 21 18.09	16.881	0.424	-0.047	11 10	5.28 5.24
1833	B. D. +18°2291.....	7.7*	7.7	50 26 22.3	3.3052	0.0136	.....	+18 0 59.00	16.928	0.251	.....	4	4.95
1834	83 B. Leonis.....	5.9	8.8	51 7 87.5	3.1904	0.0086	-0.0061	+9 24 26.15	16.960	0.241	+0.007	15	5.63
1835	B. D. +15°2136.....	7.5	7.5	9 51 11.366	+3.2659	-0.0118	.....	+15 12 7.82	-16.963	-0.246	.....	4	4.87
1836	19 Leonis Minoris.....	5.2	8.1	9 51 33.629	+3.7015	-0.0358	-0.0102	+41 31 54.89	-16.980	-0.280	-0.037	10 9	6.05 6.28
1837	B. D. +19°2284.....	8.0	8.0	51 51 31.6	3.3271	0.0147	.....	+19 45 54.50	16.994	0.250	.....	4	4.91
1838	B. D. +59°1275.....	8.1*	8.1	52 4 98.7	4.2613	0.0798	.....	+59 13 59.85	17.005	0.322	.....	2	8.22
1839	B. D. +17°2156.....	7.4	7.4	52 5 74.5	3.2878	0.0129	.....	+16 56 6.70	17.005	0.246	.....	4	4.97
1840	B. D. +14°2170.....	8.5*	8.5	9 52 28.552	+3.2494	-0.0111	.....	+14 4 59.72	-17.023	-0.243	.....	4	4.92
1841	B. D. +15°2141.....	7.6*	7.6	9 52 45.528	+3.2703	-0.0121	-0.0024	+15 41 54.22	-17.036	-0.244	-0.024	4	4.94
1842	B. D. +9°2269.....	6.3	6.3	52 49 80.3	3.1812	0.0082	+0.0006	+8 47 29.40	17.039	0.237	-0.034	4	4.95
1843	ν Leonis.....	5.2	8.1	52 50 64.9	3.2339	0.0105	-0.0021	+12 55 19.34	17.040	0.241	-0.029	13	5.50
1844	B. D. +11°2136.....	7.3	7.3	53 25 37.8	3.2078	0.0094	.....	+10 56 7.60	17.066	0.238	.....	4	4.87
1845	π Leonis.....	4.9	7.8	9 54 55.746	+3.1763	-0.0080	-0.0023	+8 31 27.07	-17.135	-0.233	-0.027	49 46	6.96 6.80
1846	B. D. +6°2240.....	7.9*	7.9	9 54 58.787	+3.1541	-0.0071	.....	+6 43 46.62	-17.137	-0.233	.....	4	4.97
1847	B. D. +18°2303.....	7.9*	7.9	55 13 07.9	3.2979	0.0135	.....	+18 2 46.10	17.148	0.242	.....	4	4.92
1848	B. D. +9°2280.....	8.0*	8.0	55 42 82.0	3.1869	0.0085	.....	+9 25 54.40	17.170	0.232	.....	4	4.94
1849	B. D. +5°2269.....	8.1*	8.1	55 44 43.2	3.1385	0.0065	.....	+5 28 34.32	17.172	0.229	.....	4	4.95
1850	B. D. +14°2186.....	8.3*	8.3	9 55 57.917	+3.2492	-0.0113	.....	+14 24 29.00	-17.182	-0.237	.....	4	4.90
1851	B. D. +10°2100.....	7.1	7.1	9 58 14.166	+3.1964	-0.0090	.....	+10 22 58.15	-17.283	-0.229	.....	4	4.87
1852	B. D. +19°2297.....	7.9	7.9	58 23 74.9	3.3110	-0.0144	.....	+19 26 10.30	17.291	0.237	.....	4	4.89
1853*	B. D. +12°2138.....	7.0	7.0	58 47 14.8	3.2171	-0.0099	+0.0021	+12 6 44.85	17.308	0.230	+0.029	4	4.97
1854	B. D. +5°2280.....	8.0*	8.0	59 34 25.6	3.1368	-0.0064	.....	+5 29 20.65	17.342	0.222	.....	4	4.92
1855	193 G. Hydrae.....	5.8	8.7	9 59 43.740	+2.7770	+0.0055	-0.0102	-23 48 4.67	-17.349	-0.195	+0.022	10	6.75
1856	B. D. +8°2316.....	7.2	7.2	9 59 47.482	+3.1721	-0.0079	.....	+8 28 33.32	-17.352	-0.224	.....	4	4.94
1857	ν^2 Hydrae.....	4.7	7.6	10 0 15.258	2.9235	+0.0015	-0.0025	-12 34 46.21	17.372	0.205	+0.012	12	6.30
1858*	B. D. +16°2077.....	6.3	6.3	0 15 38.8	3.2667	-0.0123	-0.0023	+16 14 38.15	17.372	0.230	+0.017	4	4.95
1859*	B. D. +13°2206.....	7.4	7.4	1 14 82.5	3.2284	-0.0106	-0.0005	+13 16 10.82	17.415	0.226	-0.049	4	4.90
1860	B. D. +4°2291.....	8.0*	8.0	10 1 19.518	+3.1182	-0.0056	.....	+3 57 48.77	-17.419	-0.218	.....	4	4.87
1861	B. D. +6°2259.....	6.3	6.3	10 1 33.658	+3.1429	-0.0066	-0.0023	+6 5 57.52	-17.429	-0.219	-0.015	4	4.96
1862	B. D. +14°2202.....	9.0	9.0	1 38 42.8	3.2448	0.0113	.....	+14 38 44.97	17.432	0.226	.....	4	4.98
1863	η Leonis.....	3.6	8.5	1 52 87.5	3.2769	0.0129	-0.0001	+17 15 1.88	17.443	0.228	-0.012	44 42	7.04 6.96
1864	B. D. +15°2167.....	7.2	7.2	2 14 60.2	3.2563	0.0119	.....	+15 38 54.15	17.458	0.226	.....	4	4.96
1865	B. D. +10°2112.....	4.6	7.5	10 2 35.849	+3.1936	-0.0090	-0.0064	+10 29 16.40	-17.474	-0.221	-0.069	4	4.95
1866	α Leonis.....	1.3	9.2	10 3 2.697	+3.2165	-0.0100	-0.0169	+12 27 22.34	-17.493	-0.222	-0.003	44 43	7.45 7.44
1867*	B. D. +19°2307.....	7.1	7.1	3 39 13.0	3.2963	0.0140	+0.0031	+19 1 20.00	17.519	0.227	-0.077	4	4.87
1868	B. D. +6°2265.....	6.8	6.8	4 0 44.7	3.1480	0.0069	-0.0009	+6 39 40.47	17.534	0.215	-0.018	4	4.96
1869	B. D. +18°2326.....	8.1*	8.1	4 39 38.7	3.2903	0.0138	.....	+18 41 5.52	17.561	0.224	.....	4	4.98
1870	B. D. +15°2171.....	8.5*	8.5	10 5 32.734	+3.2435	-0.0115	.....	+14 58 30.85	-17.599	-0.219	.....	4	4.96

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
1871	B. D. + 8°2327.....	8.5*	8.5	10 5 38.582	+3.1644	-0.0076	.....	+ 8 11 14.40	-17.603	-0.213	.....	4	4.96
1872	λ Hydræ.....	3.8	8.7	5 42.648	2.9381	+0.0015	-0.0137	-11 51 35.36	17.606	0.197	-0.093	56 52	7.87 7.86
1873	B. D. + 14°2217.....	6.4	6.4	6 15.559	3.2292	-0.0108	+0.0033	+13 50 56.27	17.628	0.216	-0.047	4	4.95
1874	B. D. + 17°2180.....	8.6*	8.6	6 21.001	3.2761	-0.0132	.....	+17 46 7.72	17.632	0.220	.....	4	4.90
1875	B. D. + 5°2301.....	5.9	8.8	10 7 36.079	+3.1286	-0.0060	-0.0038	+ 5 6 32.65	-17.684	-0.208	-0.016	4	4.87
1876	B. D. + 3°2334.....	7.3	7.3	10 8 2.916	+3.1114	-0.0052	.....	+ 3 34 5.40	-17.702	-0.205	.....	4	4.93
1877	B. D. + 9°2317.....	7.5	7.5	8 12.406	3.1792	0.0084	.....	+ 9 40 52.25	17.709	0.210	.....	4	4.98
1878	B. D. + 11°2190.....	8.1*	8.1	8 31.002	3.1976	0.0093	.....	+11 20 14.20	17.721	0.210	.....	4	4.96
1879	B. D. + 16°2098.....	7.3	7.3	9 6.476	3.2581	0.0124	.....	+16 38 5.07	17.746	0.213	.....	4	4.96
1880	B. D. + 6°2276.....	8.1*	8.1	10 9 29.817	+3.1402	-0.0065	.....	+ 6 14 47.27	-17.761	-0.205	.....	4	4.95
1881	B. D. + 12°2177.....	7.3	7.3	10 9 49.746	+3.2056	-0.0097	.....	+12 10 15.67	-17.775	-0.208	.....	4	4.90
1882	B. D. + 7°2266.....	8.9*	8.9	10 27.326	3.1524	0.0071	.....	+ 7 25 24.25	17.800	0.204	.....	4	4.88
1883	32 Ursæ Majoris.....	5.7	8.6	10 46.462	4.4243	0.1140	-0.0144	+65 36 26.38	17.813	0.288	-0.013	10	6.86
1884	32 Ursæ Majoris s. p.....	5.7	8.6	10 46.421	4.4243	0.1140	-0.0144	+65 36 26.22	17.813	0.288	-0.013	11 10	5.06 5.18
1885*	B. D. + 18°2338.....	6.6	6.6	10 10 49.294	+3.2743	-0.0134	0.0000	+18 14 17.05	-17.815	-0.211	-0.009	4	4.92
1886	λ Ursæ Majoris.....	3.5	8.4	10 11 3.958	+3.6510	-0.0383	-0.0149	+43 24 49.96	-17.825	-0.236	-0.045	8	6.63
1887	ζ Leonis.....	3.6	8.5	11 7.772	3.3434	-0.0174	+0.0016	+23 54 56.82	17.827	0.215	-0.015	47 44	7.86 7.85
1888	B. D. + 14°2228.....	5.7	8.6	11 18.676	3.2271	-0.0109	-0.0016	+14 13 37.95	17.834	0.207	-0.027	4	4.98
1889	B. D. + 8°2336.....	8.9*	8.9	11 39.433	3.1659	-0.0078	.....	+ 8 44 40.02	17.848	0.202	.....	4	4.96
1890	22 Sextantis.....	5.4	8.3	10 12 39.534	+2.9922	0.0000	-0.0108	- 7 34 9.06	-17.888	-0.189	+0.002	10	7.78
1891*	B. D. + 13°2237.....	7.1	7.1	10 13 2.306	+3.2125	-0.0103	-0.0112	+13 7 21.25	-17.903	-0.204	+0.004	4	4.96
1892	B. D. + 18°2345.....	6.6	6.6	13 31.456	3.2693	0.0133	.....	+18 12 26.32	17.922	0.206	.....	4	4.97
1893	138 B. Ursæ Majoris.....	6.2	6.2	14 3.062	3.9147	0.0621	-0.0019	+54 43 8.20	17.943	0.247	-0.016	10	6.39
1894	B. D. + 10°2139.....	7.9*	7.9	14 10.051	3.1819	0.0086	.....	+10 25 19.47	17.947	0.199	.....	4	4.90
1895	γ Leonis (pr.).....	2.6	7.5	10 14 27.761	+3.2926	-0.0148	+0.0215	+20 20 50.04	-17.958	-0.206	-0.153	45 43	6.89 6.84
1896	B. D. + 8°2348.....	8.7*	8.7	10 15 3.840	+3.1574	-0.0074	.....	+ 8 11 30.17	-17.982	-0.196	.....	4	4.88
1897	B. D. + 12°2193.....	8.0*	8.0	15 7.260	3.1963	0.0094	.....	+11 51 19.40	17.984	0.198	.....	4	4.95
1898	29 H. Camelopardalis.....	5.6	8.5	15 8.138	9.5091	1.5219	-0.090	+84 45 36.97	17.985	0.605	-0.041	10 9	7.39 7.52
1899	29 H. Camelopardalis s. p.....	5.6	8.5	15 8.559	9.5091	1.5219	-0.090	+84 45 36.97	17.985	0.605	-0.041	11	6.44
1900	B. D. + 4°2313.....	8.5*	8.5	10 15 19.687	+3.1149	-0.0053	.....	+ 4 7 33.10	-17.992	-0.192	.....	4	4.98
1901	B. D. + 5°2321.....	8.2	8.2	10 15 30.376	+3.1254	-0.0058	.....	+ 5 9 2.17	-17.999	-0.193	.....	4	4.98
1902	B. D. + 3°2352.....	6.5	6.5	15 52.180	3.1010	0.0046	-0.0005	+ 2 47 35.00	18.013	0.191	+0.002	4	4.96
1903	μ Ursæ Majoris.....	3.2	8.1	16 22.349	3.5981	0.0359	-0.0073	+42 0 9.64	18.032	0.221	+0.020	9	7.96
1904	42 Leonis.....	6.1	6.1	16 27.654	3.2339	0.0115	-0.0027	+15 28 47.82	18.036	0.198	-0.030	14	5.69
1905	B. D. + 11°2212.....	7.9*	7.9	10 16 35.067	+3.1878	-0.0090	.....	+11 12 15.67	-18.040	-0.195	.....	4	4.90
1906	30 H. Ursæ Majoris.....	4.9	7.8	10 16 55.455	+4.3817	-0.1160	-0.0018	+66 4 19.48	-18.054	-0.270	-0.023	10	7.45
1907	30 H. Ursæ Majoris s. p.....	4.9	7.8	16 55.541	4.3817	0.1160	-0.0018	+66 4 19.25	18.054	0.270	-0.023	11	6.05
1908*	B. D. + 9°2344.....	7.0	7.0	16 57.772	3.1692	0.0080	-0.0004	+ 9 28 8.15	18.055	0.193	.....	4	4.88
1909	B. D. + 17°2212.....	7.7*	7.7	17 10.153	3.2523	0.0126	.....	+17 14 46.92	18.063	0.198	.....	4	4.96
1910	B. D. + 7°2289.....	6.3	6.3	10 17 46.463	+3.1437	-0.0067	-0.0015	+ 7 3 1.55	-18.086	-0.190	-0.106	4	4.98
1911*	B. D. + 6°2301.....	6.5	6.5	10 18 2.943	+3.1348	-0.0063	-0.0167	+ 6 12 5.55	-18.096	-0.189	-0.072	4	4.98
1912	B. D. + 14°2237.....	8.5	8.5	18 4.077	3.2201	0.0108	.....	+14 24 40.65	18.097	0.194	.....	4	4.96
1913	30 H. Camelopardalis.....	5.3	8.2	18 54.724	7.7647	0.9056	-0.045	+83 4 2.97	18.128	0.476	+0.024	28	8.09
1914	30 H. Camelopardalis s. p.....	5.3	8.2	18 54.465	7.7647	0.9056	-0.045	+83 4 3.13	18.128	0.476	+0.024	23	9.28
1915	B. D. + 13°2252.....	7.9*	7.9	10 19 38.849	+3.2056	-0.0101	.....	+13 14 14.80	-18.156	-0.190	.....	4	4.96
1916	B. D. + 9°2351.....	5.9	5.9	10 19 58.997	+3.1648	-0.0079	+0.0008	+ 9 17 35.37	-18.168	-0.187	-0.043	4	4.90
1917	B. D. + 5°2331.....	8.6*	8.6	20 8.946	3.1285	-0.0059	.....	+ 5 41 3.80	18.174	0.185	.....	4	4.91
1918*	B. D. + 4°2328.....	6.6	6.6	20 57.829	3.1158	-0.0053	-0.0031	+ 4 26 27.00	18.204	0.182	-0.028	4	4.93
1919	μ Hydræ.....	4.1	7.0	21 15.137	2.9088	+0.0041	-0.0089	-16 19 32.80	18.215	0.169	-0.084	41 38	8.04 8.15
1920	B. D. + 12°2211.....	6.6	6.6	10 21 54.049	+3.1885	-0.0092	.....	+11 49 34.00	-18.238	-0.185	.....	4	4.98
1921	31 Leonis Minoris.....	4.4	7.3	10 22 6.038	+3.4929	-0.0295	-0.0099	+37 13 10.40	-18.246	-0.203	-0.110	9	7.83
1922	B. D. + 7°2306.....	8.5*	8.5	22 11.517	3.1474	-0.0070	.....	+ 7 43 34.20	18.249	0.182	.....	4	4.96
1923	B. D. + 10°2152.....	5.9	8.8	22 22.091	3.1724	-0.0083	+0.0008	+10 16 20.90	18.255	0.184	-0.007	4	4.96
1924	α Antliae.....	4.4	7.3	22 34.460	2.7469	+0.0098	-0.0053	-30 33 29.95	18.263	0.157	0.000	10	7.50
1925	B. D. + 15°2205.....	7.6*	7.6	10 23 3.825	+3.2221	-0.0112	.....	+15 15 52.60	-18.280	-0.185	.....	4	4.98
1926	B. D. + 16°2123.....	7.2	7.2	10 23 4.547	+3.2324	-0.0118	.....	+16 15 58.32	-18.281	-0.186	.....	4	4.90
1927	B. D. + 17°2231.....	7.1	7.1	23 19.630	3.2464	0.0127	.....	+17 38 39.22	18.290	0.186	.....	4	4.96
1928	B. D. + 15°2206.....	7.1	7.1	23 27.780	3.2173	0.0109	-0.0054	+14 51 17.17	18.294	0.184	-0.023	4	4.98
1929	B. D. + 3°2371.....	7.6*	7.6	23 48.461	3.1024	0.0045	.....	+ 3 9 33.37	18.307	0.177	.....	4	4.96
1930	36 Ursæ Majoris.....	4.8	7.7	10 24 13.629	+3.8915	-0.0665	-0.0215	+56 29 35.96	-18.322	-0.222	-0.038	10	7.54
1931	29 Sextantis.....	5.2	8.1	10 24 23.943	+3.0513	-0.0019	-0.0032	- 2 13 37.04	-18.328	-0.172	-0.019	10	7.07
1932	B. D. + 8°2369.....	8.5*	8.5	24 35.790	3.1536	0.0073	.....	+ 8 33 23.27	18.335	0.178	.....	4	4.98
1933*	B. D. + 7°2314.....	7.4	7.4	25 13.650	3.1437	0.0068	+0.0015	+ 7 34 18.40	18.357	0.177	-0.029	4	4.96
1934	B. D. + 2°2325.....	7.1	7.1	25 21.066	3.0973	0.0042	+0.0046	+2 39 50.15	18.362	0.173	-0.045	4	4.98
1935	B. D. + 6°2316.....	8.0*	8.0	10 25 48.578	+3.1271	-0.0058	.....	+ 5 51 16.40	-18.378	-0.174	.....	4	4.90

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				^h ^m ^s	^s	^s	^s	° ' "	"	"	"		1900+
1936	B. D. + 11°2239.	8.5*	8.5	10 26 14.832	+3.1823	-0.0090	.....	+11 40 55.20	-18.393	-0.177	.....	4	4.91
1937	9 H. Draconis	5.0	7.9	26 36.156	5.2334	0.2723	-0.0079	+76 13 41.43	18.405	0.294	-0.010	11 10	5.68 5.86
1938	9 H. Draconis s. p.	5.0	7.9	26 36.122	5.2334	0.2723	-0.0079	+76 13 41.52	18.405	0.294	-0.010	10 9	5.30 5.25
1939	B. D. + 14°2255.	5.7	8.6	26 51.499	3.2104	0.0107	-0.0027	+14 39 2.82	18.414	0.177	+0.013	4	4.93
1940	B. D. + 13°2271.	7.9*	7.9	10 26 58.121	+3.1984	-0.0100	.....	+13 26 0.68	-18.418	-0.176	.....	4	5.00
1941	B. D. + 5°2347.	7.2	7.2	10 27 6.809	+3.1199	-0.0054	-0.0009	+ 5 9 31.82	-18.423	-0.171	+0.028	4	4.98
1942	ρ Leonis	3.8	8.7	27 32.759	3.1632	-0.0079	-0.0005	+ 9 49 16.89	18.438	0.173	-0.006	53 49	6.96 7.04
1943	37 Ursæ Majoris	5.2	8.1	28 43.417	3.8890	-0.0696	+0.0083	+57 35 52.13	18.478	0.212	+0.031	10	5.97
1944	B. D. + 4°2351.	9.0	9.0	29 7.338	3.1141	-0.0051	.....	+ 4 37 40.62	18.491	0.168	.....	4	4.98
1945	44 Hydræ	5.3	8.2	10 29 15.435	+2.8511	+0.0074	-0.0002	-23 13 46.53	-18.496	-0.153	+0.008	10	7.08
1946	48 Leonis	5.2	8.1	10 29 34.983	+3.1397	-0.0066	-0.0072	+ 7 28 7.96	-18.507	-0.168	+0.052	14	6.24
1947	B. D. + 9°2374.	5.7	8.6	29 47.351	3.1551	0.0075	-0.0030	+ 9 10 2.30	18.514	0.168	-0.011	4	4.91
1948	B. D. + 2°2334.	6.7	6.7	29 56.745	3.0967	0.0041	.....	+ 2 43 16.87	18.519	0.165	.....	4	4.95
1949	B. D. + 11°2252.	8.7*	8.7	31 25.025	3.1752	0.0088	.....	+11 32 33.25	18.568	0.167	.....	4	5.00
1950*	B. D. + 13°2280.	7.5	7.5	10 31 43.094	+3.1918	-0.0098	-0.0033	+13 23 7.60	-18.578	-0.167	-0.006	4	4.98
1951	B. D. + 10°2176.	8.5	8.5	10 31 56.854	+3.1597	-0.0078	.....	+ 9 53 39.60	-18.584	-0.165	.....	4	4.96
1952	37 Leonis Minoris	4.8	7.7	33 5.633	3.3875	0.0240	+0.0005	+32 29 44.91	18.623	0.175	-0.003	18	5.23
1953	B. D. + 6°2326.	7.6*	7.6	33 15.121	3.1280	0.0059	.....	+ 6 26 1.95	18.628	0.160	.....	4	4.98
1954	B. D. + 16°2144.	6.6	6.6	33 32.756	3.2195	0.0118	+0.0030	+16 38 53.35	18.637	0.165	-0.029	4	4.90
1955	B. D. + 15°2232.	7.9*	7.9	10 33 49.949	+3.2061	-0.0109	.....	+15 15 10.72	-18.647	-0.164	.....	4	4.91
1956	B. D. + 5°2374.	8.4*	8.4	10 35 9.405	+3.1152	-0.0051	.....	+ 5 3 41.90	-18.689	-0.156	.....	4	4.93
1957	B. D. + 12°2242.	7.9*	7.9	35 19.884	3.1802	0.0092	.....	+12 36 1.37	18.694	0.160	.....	4	4.98
1958	35 H. Ursæ Majoris	5.2	8.1	35 54.734	4.3614	0.1408	-0.0014	+69 35 57.42	18.713	0.220	-0.022	11	6.22
1959	35 H. Ursæ Majoris s. p.	5.2	8.1	35 54.811	4.3614	0.1408	-0.0014	+69 35 57.78	18.713	0.220	-0.022	10	6.38
1960	B. D. + 9°2388.	8.1*	8.1	10 36 9.082	+3.1488	-0.0072	.....	+ 9 5 7.40	-18.720	-0.156	.....	4	4.98
1961	33 Sextantis	6.4	6.4	10 36 18.884	+3.0622	-0.0019	-0.0094	- 1 12 57.38	-18.725	-0.151	-0.129	10	7.71
1962	B. D. + 7°2345.	8.9*	8.9	36 25.383	3.1356	0.0064	.....	+ 7 33 29.17	18.729	0.155	.....	4	4.98
1963	B. D. + 11°2269.	7.3	7.3	37 0.958	3.1633	0.0082	.....	+10 52 44.95	18.747	0.155	.....	4	5.00
1964	B. D. + 1°2471.	7.6	7.6	37 13.728	3.0838	0.0031	.....	+ 1 23 6.85	18.754	0.151	.....	4	4.90
1965	39 Ursæ Majoris	5.8	8.7	10 37 24.634	+3.8185	-0.0685	+0.0021	+57 43 27.24	-18.759	-0.188	-0.057	11	6.95
1966	34 Sextantis	6.6	6.6	10 37 27.598	+3.1062	-0.0045	-0.0062	+ 4 6 20.91	-18.761	-0.152	+0.021	47 46	7.18 7.20
1967	41 Leonis Minoris	5.0	7.9	37 58.723	3.2780	0.0163	-0.0083	+23 42 43.42	18.777	0.159	+0.005	41 38	6.72 6.82
1968	B. D. + 5°2384 (fol.)	6.3	6.3	38 9.476	3.1154	0.0051	+0.0020	+ 5 16 21.62	18.782	0.151	-0.033	4	4.93
1969	B. D. + 3°2408.	6.6	6.6	40 0.262	3.0964	0.0038	-0.0032	+ 3 0 50.67	18.838	0.146	-0.025	4	4.97
1970	42 Leonis Minoris	5.4	8.3	10 40 18.297	+3.3482	-0.0224	-0.0020	+31 12 32.47	-18.847	-0.158	-0.041	12	7.07
1971	37 Sextantis	6.3	6.3	10 40 53.297	+3.1271	-0.0058	-0.0005	+ 6 54 1.47	-18.864	-0.146	-0.038	14	6.46
1972	B. D. + 10°2200.	8.9*	8.9	41 1.393	3.1523	0.0075	.....	+10 2 41.67	18.868	0.147	.....	4	4.99
1973*	B. D. + 13°2302.	6.8	6.8	41 1.902	3.1788	0.0094	+0.0003	+13 16 30.50	18.869	0.148	-0.049	4	4.98
1974	B. D. + 14°2294.	5.6	8.5	41 7.472	3.1908	0.0103	-0.0090	+14 43 22.00	18.871	0.149	-0.079	4 3	4.91 5.16
1975	B. D. + 11°2277.	8.1*	8.1	10 41 20.667	+3.1656	-0.0085	.....	+11 42 52.07	-18.878	-0.147	.....	4	5.00
1976	B. D. + 5°2394.	7.9*	7.9	10 41 23.529	+3.1131	-0.0049	.....	+ 5 10 34.32	-18.879	-0.144	.....	4	4.96
1977	B. D. + 7°2358.	7.0	7.0	42 7.105	3.1260	0.0058	-0.0031	+ 6 52 26.70	18.900	0.144	-0.027	4	4.98*
1978	B. D. + 8°2418.	8.1*	8.1	43 30.407	3.1397	0.0067	.....	+ 8 44 56.95	18.941	0.142	.....	4	5.02
1979	B. D. + 2°2359.	8.7*	8.7	43 40.302	3.0871	0.0031	.....	+ 1 55 53.20	18.945	0.139	.....	4	4.97
1980	l Leonis	5.3	8.2	10 44 0.061	+3.1575	-0.0080	-0.0001	+11 4 28.25	-18.955	-0.142	-0.033	64 60	5.80 5.76
1981	ν Hydræ	3.3	8.2	10 44 41.482	+2.9513	+0.0053	+0.0065	-15 40 10.48	-18.974	-0.131	+0.193	13	9.04
1982*	B. D. + 4°2388.	7.1	7.1	45 46.910	3.1030	-0.0041	+0.0018	+ 4 7 14.27	19.005	0.136	+0.014	4	4.90
1983*	B. D. + 12°2266.	6.8	6.8	45 53.050	3.1635	-0.0085	-0.0029	+12 6 35.45	19.008	0.138	-0.016	4	5.00
1984	B. D. + 7°2375.	8.3*	8.3	45 59.190	3.1266	-0.0058	.....	+ 7 17 37.27	19.011	0.136	.....	4 3	4.93 5.19
1985	B. D. + 9°2418.	7.7	7.7	10 46 4.899	+3.1446	-0.0071	.....	+ 9 40 49.45	-19.013	-0.137	.....	4	5.04
1986	B. D. + 8°2422 (fol.)	7.9*	7.9	10 46 57.794	+3.1311	-0.0062	.....	+ 7 59 34.50	-19.037	-0.135	.....	4	4.99
1987*	B. D. + 1°2495.	6.3	6.3	47 5.423	3.0837	0.0028	+0.0002	+ 1 33 21.83	19.041	0.132	-0.055	4 3	4.94 5.19
1988	B. D. + 5°2412.	8.1	8.1	47 25.279	3.1127	0.0048	.....	+ 5 32 6.02	19.050	0.133	.....	4	4.97
1989	B. D. + 0°2710.	6.6	6.6	47 28.699	3.0747	0.0022	.....	+ 0 19 49.05	19.052	0.131	.....	4	4.90
1990	46 Leonis Minoris	3.9	8.8	10 47 43.263	+3.3600	-0.0255	+0.0074	+34 45 13.07	-19.058	-0.144	-0.290	9	5.80
1991	B. D. + 57°1296.	9.7*	9.7	10 48 11.482	+3.7130	-0.0648	.....	+57 15 42.90	-19.071	-0.159	.....	2	8.02
1992	B. D. + 3°2429.	8.3*	8.3	48 42.480	3.0951	0.0035	.....	+ 3 11 26.90	19.085	0.130	.....	4	5.00
1993	B. D. + 13°2322.	7.5	7.5	49 1.539	3.1657	0.0089	.....	+12 54 13.62	19.093	0.132	.....	4	4.93
1994	54 Leonis	4.5	7.4	50 11.944	3.2616	0.0170	-0.0055	+25 16 59.45	19.124	0.135	-0.017	24	4.90
1995	B. D. + 1°2501.	6.0	8.9	10 50 33.743	3.0812	-0.0025	+0.0068	+ 1 16 13.15	-19.134	-0.126	-0.011	4	5.03
1996	B. D. + 10°2223.	8.9*	8.9	10 50 35.908	+3.1474	-0.0075	.....	+10 39 23.45	-19.135	-0.129	.....	4	4.99
1997	B. D. + 6°2369.	6.0	6.0	50 49.926	3.1191	0.0053	-0.0014	+ 6 43 8.97	19.141	0.127	-0.010	4 3	4.94 5.19
1998	B. D. + 1°2502.	6.9	6.9	51 2.766	3.0790	0.0023	+0.0002	+ 0 58 0.52	19.146	0.125	-0.007	4	4.97
1999	B. D. + 14°2319.	8.1*	8.1	51 28.202	3.1712	0.0095	.....	+14 5 33.08	19.157	0.128	.....	4	4.90
2000	B. D. - 0°2392.	8.1*	8.1	10 51 33.895	+3.0680	-0.0015	.....	- 0 38 2.68	-19.160	-0.124	.....	4	5.00

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
2001	6 H ¹ . Draconis.....	6.3	6.3	10 51 57.555	+4.9611	-0.3101	-0.0249	+78 18 20.96	-19.170	-0.204	-0.027	18	6.78
2002	6 H ¹ . Draconis s. p.	6.3	6.3	51 57.654	4.9611	0.3101	-0.0249	+78 18 20.99	19.170	0.204	-0.027	11	5.14
2003	B. D. + 0°2718.....	6.9	6.9	52 1.289	3.0738	0.0019	.....	+ 0 13 23.87	19.171	0.123	.....	4 3	4.93 5.19
2004	B. D. + 2°2373.....	7.9*	7.9	53 39.304	3.0874	0.0028	.....	+ 2 15 57.35	19.213	0.120	.....	4	5.01
2005	47 Ursæ Majoris.....	5.1	8.0	10 53 51.842	+3.4025	-0.0320	-0.0280	+40 57 52.39	-19.218	-0.133	+0.050	10	6.36
2006*	B. D. +10°2230.....	7.0	7.0	10 54 19.495	+3.1421	-0.0072	-0.0019	+10 28 1.25	-19.230	-0.121	-0.030	4	5.02
2007	B. D. + 8°2445.....	8.3*	8.3	54 20.423	3.1238	-0.0057	.....	+ 7 45 41.03	19.230	0.121	.....	4 3	4.96 5.23
2008	B. D. + 5°2425.....	8.5	8.5	54 24.487	3.1046	-0.0042	.....	+ 4 53 23.88	19.231	0.120	.....	4	4.99
2009	B. D. +12°2284.....	6.4	6.4	54 27.529	3.1541	-0.0082	.....	+12 14 26.62	19.233	0.122	.....	4	4.90
2010	α Crateris.....	4.2	7.1	10 54 53.825	+2.9523	+0.0068	-0.0326	-17 45 56.78	-19.244	-0.113	+0.121	41 40	8.87 8.82
2011	d Leonis.....	5.0	7.9	10 55 23.764	+3.0993	-0.0038	+0.0006	+ 4 9 16.57	-19.256	-0.118	-0.021	43 42	7.61 7.57
2012	B. D. + 6°2384.....	5.1	8.0	55 33.776	3.1155	0.0050	-0.0036	+ 6 38 19.98	19.260	0.118	-0.030	4	4.93
2013	β Ursæ Majoris.....	2.4	7.3	55 48.652	3.6395	0.0622	+0.0102	+56 55 6.74	19.266	0.138	+0.028	10	7.15
2014	B. D. - 1°2471.....	5.0	7.9	56 43.577	3.0600	0.0025	+0.0012	- 1 56 45.82	19.288	0.114	-0.037	4	5.01
2015	B. D. + 1°2511.....	8.9*	8.9	10 57 15.303	+3.0811	-0.0022	.....	+ 1 23 8.38	-19.300	-0.113	.....	4	5.02
2016	B. D. + 9°2441.....	7.1	7.1	10 57 20.048	+3.1341	-0.0067	.....	+ 9 42 39.97	-19.302	-0.115	.....	4 3	4.96 5.23
2017	α Ursæ Majoris.....	2.0	6.9	57 33.480	3.7571	0.0809	-0.0168	+62 17 27.30	19.307	0.139	-0.074	12	6.73
2018	B. D. + 0°2729.....	6.2	6.2	58 29.469	3.0757	0.0017	-0.0044	+ 0 32 16.22	19.329	0.110	0.000	4	4.99
2019	B. D. + 6°2397.....	8.1*	8.1	59 8.639	3.1082	0.0045	.....	+ 5 45 50.12	19.344	0.111	.....	4	4.95
2020	B. D. - 0°2401.....	6.8	6.8	10 59 12.417	+3.0678	-0.0011	.....	- 0 44 20.08	-19.346	-0.109	.....	4	5.00
2021*	B. D. +13°2348.....	6.7	6.7	10 59 18.268	+3.1544	-0.0086	-0.0120	+13 12 22.47	-19.348	-0.112	+0.098	4 3	4.93 5.19
2022	x Leonis.....	4.7	7.6	10 59 51.377	3.1203	-0.0055	-0.0233	+ 7 52 36.16	19.360	0.110	-0.047	52 51	6.44 6.39
2023	B. D. +12°2300.....	8.7*	8.7	11 0 26.385	3.1493	-0.0081	.....	+12 37 45.85	19.374	0.110	.....	4	5.02
2024	x Hydræ.....	5.1	8.0	0 30.673	2.8994	+0.0117	-0.0153	-26 45 13.21	19.375	0.101	-0.013	11	6.00
2025	p ⁴ Leonis.....	5.7	5.7	11 1 48.029	+3.0870	-0.0026	-0.0251	+ 2 29 54.18	-19.404	-0.105	-0.087	15 13	6.08 6.36
2026*	B. D. +10°2250.....	7.3	7.3	11 1 59.914	+3.1359	-0.0070	+0.0012	+10 45 12.12	-19.408	-0.106	-0.063	4	5.00
2027	B. D. +56°1500.....	9.8*	9.8	2 8.761	3.5755	0.0594	.....	+56 26 30.20	19.412	0.122	.....	2	8.11
2028	B. D. +86°161.....	7.2	7.2	2 30.09	8.045	1.841	-0.031	+86 10 57.95	19.419	0.283	-0.002	4	8.01
2029	B. D. + 9°2452.....	8.4*	8.4	2 53.643	3.1279	0.0063	.....	+ 9 33 54.52	19.428	0.104	.....	4	4.95
2030	B. D. + 7°2417.....	8.7*	8.7	11 3 2.542	+3.1134	-0.0050	.....	+ 7 6 55.80	-19.431	-0.103	.....	4	5.00
2031	B. D. + 4°2423.....	7.6*	7.6	11 3 4.355	+3.0957	-0.0033	.....	+ 4 4 29.78	-19.432	-0.103	.....	4	4.96
2032*	B. D. - 1°2488.....	6.9	6.9	3 10.459	3.0645	0.0005	+0.0004	- 1 21 41.18	19.434	0.101	-0.025	4	5.00
2033	B. D. + 0°2750.....	8.0*	8.0	3 28.420	3.0722	0.0012	.....	- 0 1 15.88	19.440	0.101	.....	4	4.95
2034	B. D. + 5°2451.....	8.5*	8.5	3 35.937	3.1039	0.0041	.....	+ 5 32 1.97	19.443	0.102	.....	4 3	4.96 5.23
2035	B. D. + 2°2391.....	8.7*	8.7	11 3 52.348	+3.0844	-0.0023	.....	+ 2 8 18.90	-19.449	-0.101	.....	4	5.00
2036	ψ Ursæ Majoris.....	3.2	8.1	11 4 2.521	+3.3959	-0.0364	-0.0055	+45 2 28.39	-19.452	-0.111	-0.038	12	6.17
2037	B. D. - 0°2409.....	6.8	6.8	4 7.254	3.0679	-0.0008	-0.0041	- 0 47 27.65	19.454	0.099	-0.006	4	4.95
2038*	B. D. +12°2307.....	7.5	7.5	5 23.362	3.1385	-0.0075	-0.0051	+11 50 40.68	19.480	0.099	+0.010	4	5.00
2039	β Crateris.....	4.5	7.4	6 44.313	2.9462	+0.0100	+0.0001	-22 16 47.52	19.508	0.091	-0.101	15 14	7.05 7.28
2040	B. D. +10°2260.....	8.5*	8.5	11 7 30.500	+3.1281	-0.0066	.....	+10 24 34.02	-19.523	-0.095	.....	4	4.93
2041	B. D. + 0°2761.....	5.4	8.3	11 8 38.367	+3.0748	-0.0012	-0.0025	+ 0 28 29.28	-19.546	-0.091	-0.011	4	4.99
2042	B. D. + 3°2475.....	6.8	6.8	8 45.014	3.0869	0.0024	.....	+ 2 48 50.62	19.548	0.092	.....	4	4.95
2043	δ Leonis.....	2.6	7.5	8 47.528	3.1864	0.0130	+0.0106	+21 4 17.35	19.548	0.095	-0.145	44 40	7.75 7.78
2044	B. D. + 8°2476.....	5.9	8.8	8 50.059	3.1171	0.0056	+0.0026	+ 8 36 28.97	19.549	0.092	-0.124	4 3	4.98 5.24
2045	θ Leonis.....	3.4	8.3	11 8 59.545	+3.1568	-0.0098	-0.0043	+15 58 34.03	-19.552	-0.093	-0.086	39 38	8.40 8.41
2046	B. D. + 5°2467.....	8.3	8.3	11 9 9.163	+3.0972	-0.0034	.....	+ 4 50 29.22	-19.555	-0.091	.....	4	5.00
2047	B. D. + 1°2539.....	8.3*	8.3	9 12.360	3.0797	0.0017	.....	+ 1 25 54.28	19.557	0.090	.....	4	4.95
2048	B. D. + 6°2422.....	7.9*	7.9	9 22.374	3.1059	0.0043	.....	+ 6 32 16.10	19.560	0.091	.....	4	5.00
2049	B. D. - 0°2422.....	6.8	6.8	9 30.627	3.0687	0.0005	.....	- 0 43 30.40	19.562	0.088	.....	4	4.96
2050	n Leonis.....	5.5	8.4	11 10 38.021	+3.1428	-0.0084	-0.0006	+13 51 11.61	-19.584	-0.090	-0.026	17	5.82
2051	B. D. +13°2379.....	6.5	6.5	11 10 44.380	+3.1402	-0.0081	-0.0025	+13 23 30.72	-19.586	-0.089	-0.079	4	4.95
2052	237 B. Ursæ Majoris.....	6.0	8.9	11 3.728	3.4101	-0.0434	-0.0093	+50 1 19.52	19.592	0.097	-0.019	12	6.57
2053	φ Leonis.....	4.6	7.5	11 34.607	3.0571	+0.0008	-0.0075	- 3 6 17.38	19.601	0.085	-0.044	14 13	5.94 6.08
2054	B. D. + 2°2409.....	5.4	8.3	12 8.645	3.0847	-0.0021	+0.0032	+ 2 33 37.52	19.611	0.085	-0.152	4 5	5.00 5.05
2055	ξ Ursæ Majoris (mean)...	3.9	8.8	11 12 50.752	+3.2436	-0.0212	-0.0333	+32 5 26.81	-19.624	-0.088	-0.598	12	6.93
2056	ν Ursæ Majoris.....	3.7	8.6	11 13 4.688	+3.2531	-0.0225	-0.0018	+33 38 24.28	-19.628	-0.088	+0.015	13	5.75
2057	B. D. +12°2319.....	6.5	6.5	13 7.997	3.1327	-0.0077	.....	+12 31 56.48	19.629	0.084	.....	4	4.95
2058	B. D. + 2°2411.....	6.0	6.0	13 47.019	3.0826	-0.0018	-0.0034	+ 2 11 55.85	19.640	0.081	-0.056	4	5.00
2059	B. D. +10°2274.....	8.5*	8.5	13 55.162	3.1208	-0.0062	.....	+10 17 53.22	19.643	0.082	.....	4	4.96
2060*	B. D. - 0°2428 (fol.)...	7.0	7.0	11 14 17.275	+3.0672	0.0000	-0.0180	- 1 6 13.38	-19.649	-0.080	-0.203	4	4.99
2061	δ Crateris.....	3.8	8.7	11 14 20.341	+3.0052	+0.0065	-0.0085	-14 14 12.06	-19.650	-0.078	+0.195	52 48	9.02 9.12
2062	B. D. + 0°2769.....	8.5*	8.5	14 25.092	3.0740	-0.0008	.....	+ 0 21 46.62	19.652	0.080	.....	4	4.95
2063	B. D. + 4°2449.....	7.9*	7.9	14 35.494	3.0915	-0.0028	.....	+ 4 10 8.07	19.655	0.080	.....	4 3	4.98 5.24
2064	B. D. + 3°2490.....	7.9*	7.9	15 47.957	3.0856	-0.0021	.....	+ 2 58 16.26	19.675	0.078	.....	4 5	5.00 5.04
2065	B. D. + 5°2484.....	8.1*	8.1	11 15 49.779	+3.0967	-0.0034	.....	+ 5 25 44.80	-19.676	-0.078	.....	4 3	4.95 5.21

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
2066	σ Leonis.....	4.1	7.0	11 15 58.757	+3.1018	-0.0040	-0.0063	+ 6 34 39.10	-19.678	-0.078	-0.015	45 44	6.85 6.82
2067	B. D. + 8°2492.....	8.1*	8.1	16 29.619	3.1068	0.0046	.....	+ 7 46 17.55	19.687	0.077	.....	4	4.99
2068	B. D. + 9°2482.....	6.7	6.7	16 39.458	3.1154	0.0057	.....	+ 9 43 1.40	19.689	0.077	.....	4	4.99
2069	249 B. Ursæ Majoris.....	6.0	8.9	16 54.946	3.6050	0.0850	-0.0007	+64 52 40.08	19.694	0.090	+0.036	9	6.36
2070	249 B. Ursæ Majoris s. p. .	6.0	8.9	11 16 54.985	+3.6050	-0.0850	-0.0007	+64 52 40.06	-19.694	-0.090	+0.036	10	7.44
2071*	B. D. + 7°2443.....	7.0	7.0	11 18 5.110	+3.1028	-0.0042	-0.0016	+ 7 8 6.00	-19.712	-0.074	-0.018	4	4.95
2072*	B. D. + 0°2782.....	6.3	6.3	18 10.676	3.0752	-0.0008	-0.0024	+ 0 40 51.60	19.714	0.073	-0.015	4 3	4.98 5.24
2073	B. D. - 5°3268.....	10.9*	10.9	18 22.508	3.0461	+0.0027	.....	- 6 12 35.02	19.717	0.072	.....	4	10.97
2074	B. D. - 2°3337.....	8.5*	8.5	18 28.177	3.0608	+0.0010	.....	- 2 44 17.82	19.719	0.072	.....	4 5	5.01 5.05
2075	ι Leonis.....	4.0	8.9	11 18 42.791	+3.1192	-0.0064	+0.0105	+11 4 48.40	-19.722	-0.073	-0.085	19	6.62
2076	B. D. + 2°2418.....	5.5	8.4	11 18 54.413	+3.0805	-0.0014	-0.0021	+ 1 57 25.35	-19.726	-0.072	+0.002	4	5.00
2077	B. D. - 5°3274.....	10.5*	10.5	19 0.683	3.0466	+0.0027	.....	- 6 10 11.02	19.727	0.070	.....	4	10.97
2078	B. D. - 0°2437.....	8.9*	8.9	19 11.596	3.0683	+0.0001	.....	- 0 58 32.20	19.730	0.071	.....	4	4.99
2079	B. D. + 12°2335.....	6.0	8.9	19 47.683	3.1218	-0.0068	-0.0077	+11 58 47.45	19.739	0.071	-0.027	4	5.00
2080	γ Crateris.....	4.1	7.0	11 19 53.048	+3.0006	+0.0083	-0.0075	-17 8 4.26	-19.740	-0.068	-0.003	11	6.06
2081	B. D. + 6°2448.....	8.0*	8.0	11 20 1.733	+3.0979	-0.0037	.....	+ 6 17 21.90	-19.743	-0.070	.....	4	4.95
2082	B. D. + 4°2461.....	6.7	6.7	20 30.955	3.0878	0.0023	-0.0009	+ 3 51 7.40	19.750	0.069	-0.054	4 3	4.97 5.24
2083	B. D. + 4°2463.....	6.4	6.4	20 41.627	3.0899	0.0026	-0.0051	+ 4 24 39.22	19.753	0.068	-0.049	4 5	5.01 5.05
2084*	B. D. + 9°2494.....	6.8	6.8	21 7.357	3.1089	0.0052	+0.0002	+ 9 12 36.60	19.759	0.068	-0.048	4	4.95
2085	83 Leonis.....	6.5	6.5	11 21 41.315	+3.0862	-0.0021	-0.0482	+ 3 33 31.07	-19.768	-0.066	+0.173	16	5.95
2086	B. D. + 1°2566.....	7.6*	7.6	11 22 26.175	+3.0781	-0.0010	.....	+ 1 30 33.20	-19.778	-0.065	.....	4	5.00
2087	B. D. - 0°2442.....	6.3	6.3	22 47.080	3.0680	+0.0004	-0.0028	- 1 8 57.75	19.783	0.064	-0.003	4	4.99
2088	τ Leonis.....	5.2	8.1	22 47.669	3.0852	-0.0020	+0.0013	+ 3 24 25.74	19.783	0.064	-0.019	47 43	7.75 7.79
2089	B. D. + 10°2291.....	8.3*	8.3	23 49.383	3.1116	-0.0058	.....	+10 35 16.67	19.798	0.063	.....	4 3	4.98 5.24
2090	B. D. - 3°3128.....	7.9*	7.9	11 24 8.364	+3.0582	+0.0019	.....	- 3 53 53.60	-19.802	-0.061	.....	4 5	5.01 5.05
2091	B. D. + 0°2793.....	7.9*	7.9	11 24 12.511	+3.0731	-0.0002	.....	+ 0 12 31.18	-19.803	-0.061	.....	4	4.96
2092	B. D. + 4°2480.....	7.9*	7.9	24 27.451	3.0880	-0.0024	.....	+ 4 19 51.65	19.806	0.061	.....	4	5.00
2093*	B. D. + 8°2512.....	6.7	6.7	24 30.005	3.1019	-0.0045	+0.0030	+ 8 9 4.57	19.807	0.062	-0.030	4	4.97
2094	58 Ursæ Majoris.....	5.9	8.8	25 6.467	3.2662	-0.0320	-0.0048	+43 43 20.69	19.815	0.064	+0.071	12 11	6.10 6.29
2095	ϵ Leonis.....	5.1	8.0	11 25 12.294	+3.0637	+0.0012	+0.0013	- 2 27 5.92	-19.816	-0.059	-0.017	14	6.63
2096	λ Draconis.....	4.1	7.0	11 25 28.288	+3.6200	-0.1096	-0.0074	+69 52 58.89	-19.820	-0.071	-0.024	11	7.87
2097	λ Draconis s. p. .	4.1	7.0	25 28.311	3.6200	-0.1096	-0.0074	+69 52 58.94	19.820	0.071	-0.024	12	5.86
2098	B. D. - 0°2447.....	7.6*	7.6	26 53.308	3.0682	+0.0006	.....	- 1 13 49.42	19.838	0.056	.....	4	4.95
2099	B. D. + 10°2302.....	8.4	8.4	27 47.803	3.1051	-0.0052	.....	+ 9 56 5.27	19.849	0.055	.....	4 3	4.96 5.22
2100	B. D. + 8°2518.....	8.3*	8.3	11 27 58.070	+3.0984	-0.0042	.....	+ 7 57 48.56	-19.851	-0.054	.....	4 5	5.00 5.05
2101	ξ Hydrae.....	3.7	8.6	11 28 4.821	+2.9595	+0.0168	-0.0159	-31 18 14.82	-19.853	-0.051	-0.051	10	6.33
2102	B. D. + 1°2580.....	8.5*	8.5	28 15.952	3.0767	-0.0006	.....	+ 1 21 22.00	19.855	0.054	.....	4	5.00
2103	B. D. + 4°2492.....	8.9	8.9	28 16.196	3.0875	-0.0024	.....	+ 4 41 12.48	19.855	0.054	.....	4	4.96
2104	B. D. + 3°2519.....	6.7	6.7	28 28.018	3.0821	-0.0015	.....	+ 3 3 7.30	19.857	0.053	.....	4	4.98
2105	B. D. + 11°2372.....	6.5	6.5	11 28 59.053	+3.1093	-0.0061	.....	+11 34 37.30	-19.864	-0.053	.....	4	4.98
2106	B. D. + 3°2521.....	5.8	8.7	11 29 14.792	+3.0836	-0.0018	-0.0123	+ 3 36 56.62	-19.867	-0.051	-0.111	4	4.95
2107*	B. D. - 3°3144.....	6.6	6.6	29 52.976	3.0607	+0.0021	-0.0018	+ 3 48 25.80	19.874	0.050	-0.016	4 3	4.96 5.22
2108	B. D. + 7°2461.....	8.7*	8.7	30 24.202	3.0937	-0.0035	.....	+ 7 4 33.70	19.880	0.050	.....	4 5	5.00 5.05
2109*	B. D. + 6°2470.....	7.0	7.0	31 25.728	3.0918	-0.0033	-0.0049	+ 6 39 46.05	19.891	0.047	-0.100	4	4.96
2110	ν Leonis.....	4.5	7.4	11 31 49.700	+3.0716	+0.0004	0.0000	- 0 16 17.06	-19.896	-0.046	+0.035	58 54	6.35 6.30
2111	B. D. + 5°2511.....	8.5*	8.5	11 32 0.884	+3.0881	-0.0026	.....	+ 5 31 0.50	-19.898	-0.046	.....	4	5.03
2112	B. D. - 1°2546.....	6.2	6.2	33 17.474	3.0672	+0.0013	-0.0027	- 1 52 56.70	19.911	0.043	-0.003	4	4.98
2113	B. D. + 8°2532.....	5.5	8.4	33 18.218	3.0961	-0.0042	-0.0008	+ 8 41 17.25	19.911	0.044	-0.006	4	4.95
2114	B. D. + 7°2468.....	8.7*	8.7	33 23.760	3.0915	-0.0034	.....	+ 7 3 15.17	19.912	0.044	.....	4 3	4.97 5.23
2115	B. D. - 2°3390.....	8.7*	8.7	11 35 10.838	+3.0654	+0.0019	.....	- 2 45 51.65	-19.929	-0.040	.....	4	5.00
2116	α Hydrae.....	4.9	7.8	11 35 14.676	+2.9745	+0.0219	-0.0024	-34 11 24.78	-19.930	-0.038	+0.001	12	6.18
2117*	B. D. + 1°2597.....	6.8	6.8	35 16.427	3.0761	-0.0003	+0.0034	+ 1 30 24.48	19.930	0.040	-0.008	4	4.95
2118	B. D. + 5°2525.....	7.8*	7.8	35 20.642	3.0866	-0.0025	.....	+ 5 41 39.90	19.931	0.040	.....	4	5.02
2119	B. D. + 4°2510.....	8.5*	8.5	35 21.640	3.0829	-0.0017	.....	+ 4 12 39.08	19.931	0.040	.....	4	5.03
2120	B. D. - 4°3120.....	8.1*	8.1	11 35 45.357	+3.0609	+0.0029	.....	- 4 38 37.20	-19.935	-0.039	.....	4	4.98
2121	3 Draconis.....	5.5	8.4	11 36 53.781	+3.3938	-0.0855	-0.0077	+67 17 54.48	-19.945	-0.041	+0.036	13	5.83
2122	3 Draconis s. p. .	5.5	8.4	36 53.830	3.3938	-0.0855	-0.0077	+67 17 54.63	19.945	0.041	+0.036	10	6.79
2123*	B. D. + 3°2539.....	7.0	7.0	37 18.000	3.0791	-0.0009	-0.0068	+ 2 55 4.00	19.948	0.036	-0.053	4	4.95
2124	B. D. + 0°2826.....	7.8	7.8	38 12.602	3.0740	+0.0002	.....	+ 0 44 27.60	19.956	0.034	.....	4 3	4.96 5.22
2125	B. D. - 5°3340.....	6.2	6.2	11 38 48.617	+3.0591	+0.0038	+0.0043	- 6 7 15.70	-19.961	-0.033	-0.053	4	5.00
2126	B. D. - 0°2479.....	8.5*	8.5	11 39 28.857	+3.0706	+0.0011	.....	- 0 49 46.32	-19.967	-0.032	.....	4	4.95
2127	ζ Crateris.....	4.9	7.8	39 41.596	3.0344	+0.0100	+0.0024	-17 47 40.71	19.968	0.031	-0.039	16 15	7.54 7.64
2128	B. D. + 1°2608.....	7.7*	7.7	39 59.573	3.0753	0.0000	.....	+ 1 27 54.65	19.970	0.031	.....	4	5.02
2129	B. D. + 9°2545.....	5.1	8.0	40 7.788	3.0903	-0.0039	+0.0042	+ 8 48 51.12	19.972	0.031	-0.027	4	5.03
2130	ν Virginis.....	4.2	7.1	11 40 43.149	+3.0863	-0.0030	-0.0012	+ 7 5 22.42	-19.976	-0.029	-0.187	15	5.68

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
2131	χ Ursæ Majoris	3.8	8.7	11 40 46.168	+3.1982	-0.0354	-0.0136	+48 20 2.08	-19.976	-0.031	+0.016	10	5.78
2132	B. D. - 2°3410	7.7	7.7	41 13.071	3.0677	+0.0021	.....	- 2 26 48.55	19.980	0.028	.....	4	4.96
2133	B. D. - 4°3137	8.1*	8.1	41 14.949	3.0632	+0.0033	.....	- 4 47 36.70	19.980	0.028	.....	4 3	4.96 5.22
2134	B. D. - 2°3411	7.5	7.5	41 33.766	3.0664	+0.0025	.....	- 3 11 8.80	19.982	0.027	.....	4	5.00
2135	B. D. + 4°2526	8.1*	8.1	11 41 38.945	+3.0799	-0.0013	.....	+ 4 1 49.78	-19.983	-0.028	.....	4	4.95
2136	B. D. + 9°2549	5.2	8.1	11 42 46.635	+3.0879	-0.0038	-0.0034	+ 8 48 5.78	-19.990	-0.025	+0.001	4	5.02
2137	298 G. Hydræ	5.4	8.3	43 41.956	3.0256	+0.0153	-0.0007	-26 11 36.89	19.996	0.023	-0.026	11 10	7.50 7.35
2138*	B. D. + 0°2843	6.2	6.2	43 55.234	3.0727	+0.0008	-0.0148	+ 0 14 14.82	19.998	0.023	+0.007	4	5.03
2139	β Leonis	2.2	7.1	43 57.296	3.0976	-0.0072	-0.0342	+15 7 51.43	19.998	0.023	-0.123	53 45	7.57 7.41
2140*	B. D. + 5°2545	6.7	6.7	11 43 59.498	+3.0817	-0.0021	-0.0090	+ 5 44 35.58	-19.998	-0.023	-0.157	4	4.99
2141	B. D. - 6°3455	7.1	7.1	11 44 4.468	+3.0613	+0.0045	.....	- 6 48 16.00	-19.998	-0.022	.....	4	4.96
2142	B. D. - 1°2576	7.9*	7.9	45 19.477	3.0696	+0.0020	.....	- 1 51 42.83	20.006	0.020	.....	4 3	4.96 5.23
2143	β Virginis	3.8	8.7	45 29.487	3.0758	-0.0001	+0.0495	+ 2 19 40.69	20.007	0.020	-0.279	56 50	6.66 6.43
2144	B. D. - 4°3152	5.8	8.7	45 55.418	3.0655	+0.0036	+0.0004	- 4 46 36.68	20.009	0.019	-0.012	4	4.99
2145	B. D. + 7°2489	8.1*	8.1	11 46 25.969	+3.0827	-0.0028	.....	+ 7 25 58.20	-20.012	-0.018	.....	4	5.02
2146	Groombridge 1830	6.5	6.5	11 47 15.578	+3.1315	-0.0235	+0.3405	+38 25 25.77	-20.016	-0.017	-5.801	11	7.65
2147	B. D. - 5°3377	8.9*	8.9	47 51.923	3.0653	+0.0041	.....	- 5 40 51.70	20.019	0.015	.....	4	5.03
2148	γ Ursæ Majoris	2.5	7.4	48 34.415	3.1649	-0.0428	+0.0107	+54 15 3.22	20.022	0.014	+0.003	11 10	6.87 6.65
2149	B. D. + 1°2624	6.4	6.4	48 43.122	3.0736	+0.0006	.....	+ 1 6 30.82	20.023	0.014	.....	4	4.99
2150	B. D. - 2°3433	7.3	7.3	11 48 45.186	+3.0686	+0.0029	-0.0022	- 3 13 8.55	-20.023	-0.013	-0.059	4	4.95
2151	B. D. - 0°2507	8.3*	8.3	11 48 54.967	+3.0718	+0.0015	.....	- 0 28 58.13	-20.023	-0.013	.....	4 3	4.96 5.22
2152	B. D. + 5°2555	7.9*	7.9	48 56.807	3.0785	-0.0016	.....	+ 5 26 6.78	20.024	0.013	.....	4	5.00
2153	B. D. - 1°2587	8.7*	8.7	49 47.398	3.0705	+0.0022	.....	- 1 49 3.60	20.027	0.011	.....	4	4.99
2154	B. D. + 9°2560	5.6	8.5	49 55.312	3.0816	-0.0034	-0.0020	+ 9 0 1.15	20.028	0.011	+0.004	4	5.02
2155	B. D. + 4°2544	8.1*	8.1	11 49 59.825	+3.0762	-0.0007	.....	+ 3 46 31.58	-20.028	-0.011	.....	4	5.03
2156*	B. D. - 4°3162	7.1	7.1	11 50 19.498	+3.0678	+0.0037	-0.0033	- 4 34 39.62	-20.029	-0.010	-0.054	4	5.00
2157	B. D. + 6°2525	8.7*	8.7	50 20.818	3.0786	-0.0020	.....	+ 6 22 35.18	20.029	0.010	.....	4	4.95
2158	α Leonis	5.5	8.4	50 31.944	3.0884	-0.0074	+0.0017	+16 12 12.32	20.030	0.010	-0.007	10	5.88
2159	B. D. + 6°2529	7.5*	7.5	51 40.684	3.0774	-0.0017	.....	+ 5 54 7.80	20.034	0.008	.....	4 3	4.96 5.22
2160*	B. D. - 3°3210	6.9	6.9	11 51 54.169	+3.0688	+0.0036	-0.0110	- 4 13 34.25	-20.034	-0.007	+0.038	4	5.00
2161*	B. D. - 3°3213	7.1	7.1	11 53 0.443	+3.0696	+0.0034	-0.0069	- 3 48 54.82	-20.038	-0.005	+0.054	4	4.99
2162	B. D. + 4°2553	6.9	6.9	53 6.356	3.0752	-0.0006	+0.0003	+ 4 2 20.78	20.038	0.005	-0.008	4	5.02
2163	B. D. - 5°3396	7.9*	7.9	53 53.961	3.0685	+0.0047	.....	- 6 5 49.70	20.040	0.003	.....	4	5.03
2164	B. D. + 1°2636	6.5	6.5	53 56.357	3.0730	+0.0010	-0.0045	+ 1 5 12.22	20.040	0.003	+0.018	4	5.00
2165	B. D. - 2°3446	7.7	7.7	11 54 7.246	+3.0707	+0.0030	.....	- 2 45 55.10	-20.040	-0.003	.....	4	4.95
2166	B. D. + 2°2499	7.0	7.0	11 54 16.665	+3.0737	+0.0003	.....	+ 2 23 4.73	-20.041	-0.003	.....	4 3	4.98 5.25
2167	δ Virginis	5.2	8.1	54 49.548	3.0746	-0.0006	-0.0011	+ 4 12 44.31	20.042	-0.002	-0.018	16 15	6.05 5.96
2168	π Virginis	4.6	7.5	55 44.905	3.0755	-0.0022	-0.0003	+ 7 10 19.24	20.043	0.000	-0.033	78 72	6.98 6.87
2169	B. D. - 0°2520	6.4	6.4	55 54.545	3.0718	+0.0023	-0.0010	- 1 12 33.10	20.044	0.000	-0.076	4	5.03
2170	B. D. - 3°3224	9.1*	9.1	11 56 19.070	+3.0710	+0.0036	.....	- 3 38 28.05	-20.044	+0.001	.....	4	5.03
2171	B. D. + 0°2880	7.8	7.8	11 56 49.872	+3.0726	-0.0013	.....	+ 0 39 34.75	-20.045	+0.002	.....	4	4.99
2172	B. D. - 6°3499	6.5	6.5	57 44.493	3.0707	+0.0055	.....	- 7 7 37.82	20.046	0.004	.....	4	4.98
2173	B. D. + 6°2543	6.5	6.5	58 38.120	3.0732	-0.0014	-0.0097	+ 6 7 1.20	20.046	0.006	-0.091	4 3	4.96 5.22
2174	B. D. + 2°2509	7.6*	7.6	59 6.283	3.0725	+0.0008	.....	+ 2 1 10.60	20.047	0.007	.....	4	5.00
2175*	B. D. + 4°2569	7.2	7.2	11 59 35.809	+3.0725	-0.0003	-0.0004	+ 4 7 51.70	-20.047	+0.008	-0.026	4	5.00
2176	128 H ¹ . Camelopardalis	6.4	6.4	11 59 42.14	+3.097	-0.441	-0.059	+86 8 29.37	-20.047	+0.008	+0.088	10	6.56
2177	128 H ¹ . Camelopardalis s.p.	6.4	6.4	11 59 42.70	3.097	-0.441	-0.059	+86 8 29.07	20.047	0.008	+0.088	10 9	6.79 6.88
2178	α Virginis	4.2	7.1	12 0 6.806	3.0722	-0.0030	-0.0147	+ 9 17 19.38	20.047	0.009	+0.038	68 61	7.17 7.08
2179	B. D. - 0°2532	8.4*	8.4	0 8.388	3.0724	+0.0024	.....	- 0 57 12.85	20.047	0.009	.....	4	5.03
2180	14 H ¹ . Draconis	6.0	8.9	12 0 10.600	+3.0678	-0.1320	+0.0443	+77 27 53.12	-20.047	+0.009	-0.089	11	7.78
2181	14 H ¹ . Draconis s. p.	6.0	8.9	12 0 10.606	+3.0678	-0.1320	+0.0443	+77 27 53.07	-20.047	+0.009	-0.089	9	6.87
2182*	B. D. - 5°3416	6.8	6.8	0 27.670	3.0726	+0.0046	-0.0003	- 5 17 20.38	20.047	0.009	-0.048	4	5.04
2183	B. D. - 2°3460	6.5	6.5	0 52.515	3.0726	+0.0032	-0.0028	- 2 34 26.85	20.047	0.010	-0.023	4	4.99
2184*	B. D. - 5°3424	var.	7.7	2 7.436	3.0737	+0.0052	+0.0020	- 6 12 32.85	20.046	0.013	+0.027	4	4.98
2185*	B. D. + 1°2656	7.1	7.1	12 2 53.338	+3.0720	+0.0014	+0.0113	+ 1 10 43.47	-20.045	+0.014	-0.040	4 3	4.96 5.23
2186*	B. D. - 3°3239	7.6	7.6	12 3 4.888	+3.0735	+0.0040	-0.0006	- 3 43 49.22	-20.045	+0.014	-0.009	4	5.00
2187	B. D. - 6°3509	8.8*	8.8	3 27.537	3.0746	+0.0054	.....	- 6 17 48.78	20.045	0.015	.....	4	5.00
2188	10 Virginis	6.1	6.1	4 33.851	3.0712	+0.0008	+0.0030	+ 2 27 33.31	20.043	0.017	-0.184	14	5.74
2189	B. D. - 0°2540	8.9*	8.9	4 41.383	3.0726	+0.0024	.....	- 0 26 51.60	20.043	0.018	.....	4	5.04
2190	B. D. + 6°2559	5.7	8.6	12 4 57.546	+3.0691	-0.0012	-0.0111	+ 6 21 47.45	-20.042	+0.018	+0.017	4	5.00
2191	ϵ Corvi	3.2	8.1	12 4 58.791	+3.0841	+0.0143	-0.0047	-22 3 47.84	-20.042	+0.018	+0.007	13 14	6.50 6.82
2192*	B. D. - 6°3518	6.5	6.5	5 19.303	3.0763	+0.0060	-0.0004	- 7 13 4.82	20.041	0.019	+0.017	4	4.98
2193	B. D. - 1°2632	7.1	7.1	6 14.366	3.0737	+0.0033	.....	- 2 8 26.50	20.039	0.021	.....	4 3	4.98 5.25
2194*	B. D. - 2°3478	6.9	6.9	6 14.751	3.0744	+0.0039	-0.0074	- 3 13 14.25	20.039	0.021	-0.094	4	5.00
2195	B. D. + 4°2583	6.8	6.8	12 6 33.280	+3.0693	-0.0002	-0.0003	+ 4 36 44.58	-20.039	+0.021	-0.004	4	5.00

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				^h ^m ^s	^s	^s	^s	[°] ['] ["]	["]	["]	["]		1900+
2196	B. D. - 3°3249.....	7.9*	7.9	12 7 6.421	+3.0751	+0.0043	.....	- 3 50 42.05	-20.037	+0.022	.....	4	5.03
2197	4 H. Draconis.....	5.1	8.0	7 31.044	2.8630	-0.1208	+0.0032	+78 10 18.70	20.036	0.022	+0.018	9	5.97
2198	4 H. Draconis s. p.....	5.1	8.0	7 31.105	2.8630	-0.1208	+0.0032	+78 10 19.06	20.036	0.022	+0.018	10 11	6.81 6.73
2199	B. D. + 1°2667.....	9.2	9.2	7 58.132	3.0717	+0.0019	.....	+ 0 47 46.70	20.035	0.024	.....	4	5.04
2200*	B. D. + 3°2616.....	7.0	7.0	12 8 49.248	+3.0698	+0.0009	-0.0041	+ 2 49 1.05	-20.032	+0.026	-0.056	4	5.00
2201*	B. D. - 4°3235.....	6.5	6.5	12 9 7.964	+3.0772	+0.0051	-0.0051	- 5 9 48.28	-20.031	+0.026	+0.114	6	4.64
2202	1 Canum Venaticorum.....	6.3	6.3	9 45.972	2.9940	-0.0365	-0.0011	+53 59 28.06	20.029	0.027	-0.021	10	6.71
2203*	B. D. - 0°2554.....	7.6	7.6	9 52.755	3.0731	-0.0028	-0.0036	- 0 46 13.87	20.028	0.028	+0.019	4 3	4.98 5.25
2204	B. D. - 6°3532 (<i>pr.</i>).....	8.3	8.3	9 59.417	3.0792	+0.0060	.....	- 6 41 58.00	20.028	0.028	.....	4	5.00
2205	B. D. - 6°3532 (<i>fol.</i>).....	8.0	8.0	12 9 59.95	+3.0792	+0.0060	.....	- 6 41 58.9	-20.028	+0.028	.....	1	5.23
2206*	B. D. - 9°3468.....	6.1	9.0	12 10 1.666	+3.0824	+0.0076	+0.0053	- 9 43 45.62	-20.028	+0.028	-1.044	4	5.00
2207	B. D. + 5°2602.....	7.9*	7.9	10 7.957	3.0671	-0.0002	.....	+ 5 4 51.25	20.027	0.028	.....	4	5.07
2208	δ Ursæ Majoris.....	3.4	8.3	10 28.781	2.9761	-0.0416	+0.0137	+57 35 17.69	20.026	0.028	+0.003	11 10	8.26 8.18
2209	γ Corvi.....	2.8	7.7	10 39.629	3.0913	+0.0117	-0.0112	-16 59 11.39	20.025	0.029	+0.011	44 40	8.92 9.06
2210	2 Canum Venaticorum.....	5.8	8.7	12 11 6.910	+3.0156	-0.0226	+0.0019	+41 13 0.44	-20.023	+0.030	-0.046	10	8.47
2211	B. D. - 6°3538.....	8.5*	8.5	12 11 13.320	+3.0803	+0.0061	.....	- 6 58 32.90	-20.023	+0.030	.....	4	5.04
2212	B. D. - 1°2639.....	8.2	8.2	11 36.444	3.0749	0.0037	.....	- 0 13 0.02	20.021	0.031	.....	4	4.99
2213	B. D. + 1°2676.....	8.0	8.0	11 51.256	3.0712	0.0021	.....	+ 0 54 29.10	20.020	0.032	.....	4	4.98
2214	B. D. + 2°2526.....	7.9*	7.9	12 50.647	3.0696	0.0015	.....	+ 2 7 52.20	20.015	0.034	.....	4 3	4.96 5.22
2215*	B. D. - 3°3262.....	7.0	7.0	12 13 1.305	+3.0768	+0.0044	+0.0016	- 3 23 56.48	-20.014	+0.034	+0.010	4	5.00
2216	B. D. - 3°3263.....	6.6	6.6	12 13 1.696	+3.0768	+0.0044	-0.0007	- 3 23 36.58	-20.014	+0.034	+0.015	4	5.03
2217	B. D. + 0°2920.....	5.9	5.9	13 32.674	3.0727	0.0028	+0.0016	- 0 13 51.92	20.012	0.035	-0.018	4	5.07
2218	5 B. Ursæ Minoris.....	6.3	6.3	13 57.81	1.528	0.006	+0.266	+86 59 29.93	20.010	0.022	-0.006	10	7.85
2219	5 B. Ursæ Minoris s. p.....	6.3	6.3	13 57.95	1.528	0.006	+0.266	+86 59 29.27	20.010	0.022	-0.006	11 12	7.18 7.08
2220	B. D. - 8°3323.....	7.0	7.0	12 14 11.298	+3.0845	+0.0071	-0.0008	- 8 21 30.52	-20.008	+0.036	-0.033	4	5.06
2221	6 B. Ursæ Minoris.....	6.3	6.3	12 14 22.83	+0.322	+0.777	-0.074	+88 15 15.55	-20.007	+0.012	+0.058	86 77	7.58 7.62
2222	6 B. Ursæ Minoris s. p.....	6.3	6.3	14 22.98	0.322	0.777	-0.074	+88 15 15.46	20.007	0.012	+0.058	61 59	6.89 6.94
2223	γ Virginis.....	4.0	8.9	14 47.315	3.0725	0.0028	-0.0041	- 0 6 39.39	20.005	0.037	-0.025	58 52	7.31 7.29
2224	B. D. - 5°3476.....	8.9	8.9	15 15.633	3.0817	0.0059	.....	- 6 0 6.30	20.002	0.038	.....	4	4.98
2225	c Virginis.....	5.1	8.0	12 15 16.083	+3.0663	+0.0008	-0.0198	+ 3 52 10.22	-20.002	+0.038	-0.078	16 15	6.84 7.02
2226	B. D. + 0°2932.....	8.2	8.2	12 16 30.648	+3.0717	+0.0026	.....	+ 0 23 51.15	-19.995	+0.041	.....	4	5.02
2227	B. D. - 1°2657.....	9.1	9.1	17 13.517	3.0762	+0.0040	.....	- 2 13 14.98	19.990	0.042	.....	4	5.00
2228	B. D. + 6°2599.....	6.5	6.5	17 26.865	3.0619	-0.0002	-0.0114	+ 5 51 42.00	19.989	0.042	-0.060	4	5.08
2229	12 Comæ Berenices.....	4.8	7.7	17 28.727	3.0218	-0.0114	-0.0006	+26 24 3.91	19.989	0.042	-0.014	10	6.92
2230*	B. D. - 6°3557.....	7.1	7.1	12 18 0.878	+3.0848	+0.0064	+0.0002	- 6 44 39.72	-19.985	+0.044	+0.037	4	5.04
2231*	B. D. - 4°3268.....	6.7	6.7	12 18 6.783	+3.0805	+0.0052	+0.0028	- 4 25 8.90	-19.984	+0.044	-0.036	4	5.01
2232	B. D. + 1°2689.....	8.5*	8.5	18 23.042	3.0700	0.0022	.....	+ 1 16 17.98	19.982	0.044	.....	4	4.98
2233	B. D. + 2°2536.....	7.7*	7.7	19 33.846	3.0685	0.0020	.....	+ 1 56 16.73	19.974	0.047	.....	4 3	4.96 5.22
2234	α Centauri.....	5.8	8.7	20 5.468	3.1532	0.0246	-0.0033	-34 37 55.54	19.970	0.049	-0.013	11 10	6.32 6.21
2235	B. D. - 0°2570.....	8.9*	8.9	12 20 10.738	+3.0734	+0.0033	.....	- 0 30 56.62	-19.969	+0.048	.....	4	5.02
2236	B. D. + 2°2539.....	7.6*	7.6	12 20 54.331	+3.0668	+0.0017	.....	+ 2 35 46.28	-19.963	+0.049	.....	4	5.00
2237	6 Canum Venaticorum.....	5.2	8.1	20 55.340	2.9716	-0.0199	-0.0066	+39 34 24.64	19.963	0.048	-0.039	9	7.60
2238	B. D. - 5°3497.....	9.1*	9.1	21 19.465	3.0843	+0.0059	.....	- 5 29 11.60	19.960	0.050	.....	4	5.07
2239	14 Comæ Berenices.....	5.2	8.1	21 24.049	3.0066	-0.0119	-0.0017	+27 49 20.42	19.960	0.049	-0.018	10	7.36
2240	323 G. Hydræ.....	5.7	8.6	12 21 35.373	+3.1517	+0.0228	-0.0009	-32 16 31.47	-19.958	+0.052	-0.039	10	7.31
2241	B. D. + 0°2944.....	7.6	7.6	12 21 38.783	+3.0715	+0.0029	.....	+ 0 22 14.20	-19.958	+0.051	.....	4	5.04
2242	B. D. - 2°3519.....	8.1*	8.1	21 51.789	3.0790	+0.0046	.....	- 2 58 42.80	19.956	0.051	.....	4	5.00
2243	15 Comæ Berenices.....	4.6	7.5	21 57.225	3.0020	-0.0124	-0.0066	+28 49 26.91	19.955	0.050	-0.087	10	7.33
2244	33 H ¹ Virginis.....	6.0	6.0	22 43.632	3.0817	+0.0053	-0.0054	- 4 3 42.60	19.948	0.053	-0.009	13	7.02
2245*	B. D. - 7°3409.....	6.7	6.7	12 22 47.383	+3.0913	+0.0074	-0.0151	- 8 7 24.37	-19.948	+0.053	0.000	4 3	4.97 5.24
2246	B. D. + 5°2631.....	6.8	6.8	12 23 12.530	+3.0606	+0.0006	.....	+ 4 57 1.42	-19.944	+0.054	.....	4	5.02
2247	B. D. - 1°2674.....	7.6*	7.6	24 1.888	3.0769	+0.0042	-0.0032	- 1 52 33.85	19.937	0.056	-0.009	4	5.00
2248	B. D. - 0°2583.....	8.7*	8.7	24 15.248	3.0740	+0.0036	.....	- 0 40 47.00	19.935	0.056	.....	4	5.07
2249	δ Corvi.....	3.1	8.0	24 41.218	3.1134	-0.0120	-0.0144	-15 57 31.82	19.931	0.057	-0.143	60 55	7.46 7.38
2250	20 Comæ Berenices.....	5.7	8.6	12 24 41.810	+3.0159	-0.0080	+0.0027	+21 26 59.42	-19.930	+0.056	-0.046	10	7.58
2251*	B. D. - 5°3513.....	7.1	7.1	12 24 53.620	+3.0862	+0.0061	-0.0097	- 5 28 7.02	-19.929	+0.057	-0.097	4	5.04
2252	B. D. - 6°3583.....	8.7*	8.7	24 56.308	3.0887	+0.0066	.....	- 6 26 16.08	19.928	0.058	.....	4	5.03
2253	74 Ursæ Majoris.....	5.4	8.3	25 17.101	2.8278	-0.0381	-0.0087	+58 57 21.97	19.925	0.054	+0.082	10	6.02
2254*	B. D. + 4°2622.....	7.4	7.4	25 28.405	3.0618	+0.0012	-0.0003	+ 4 3 40.05	19.923	0.058	-0.015	4	4.98
2255	B. D. - 3°3309.....	7.1	7.1	12 25 42.250	+3.0815	+0.0051	-0.0052	- 3 30 29.60	-19.921	+0.059	-0.001	4 3	4.98 5.24
2256	B. D. + 2°2552.....	7.8*	7.8	12 26 7.908	+3.0674	+0.0024	.....	+ 1 52 47.60	-19.917	+0.059	.....	4	5.02
2257	B. D. + 3°2660.....	8.6*	8.6	26 10.831	3.0647	0.0019	.....	+ 2 51 18.75	19.916	0.059	.....	4	5.00
2258	B. D. - 4°3296.....	6.3	6.3	26 30.126	3.0845	0.0057	-0.0026	- 4 30 3.02	19.913	0.060	+0.027	4	5.07
2259	B. D. + 0°2952.....	7.9*	7.9	27 52.054	3.0716	0.0033	.....	+ 0 16 37.98	19.899	0.063	.....	4	5.04
2260	B. D. - 8°3372.....	5.4	8.3	12 28 36.985	+3.0984	+0.0082	-0.0057	- 8 54 0.68	-19.891	+0.065	+0.002	4	5.00

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
2261	8 Canum Venaticorum.	4.3	7.2	12 28 59.215	+2.9210	-0.0204	-0.0629	+41 54 5.66	-19.887	+0.063	+0.281	11	6.85
2262	B. D. - 2°3533.	8.1*	8.1	29 4.705	3.0817	+0.0051	.....	- 3 10 4.78	19.886	0.065	.....	4	4.98
2263	β Corvi.	2.8	7.7	29 7.981	3.1437	+0.0166	0.0000	-22 50 37.16	19.885	0.067	-0.061	13	7.72
2264	κ Draconis.	3.9	8.8	29 12.894	2.5968	-0.0535	-0.0119	+70 20 22.03	19.884	0.057	+0.006	14 15	7.97 8.11
2265	κ Draconis s. p.	3.9	8.8	12 29 12.935	+2.5968	-0.0535	-0.0119	+70 20 22.22	-19.884	+0.057	+0.006	17	7.25
2266*	B. D. - 0°2590.	7.1	7.1	12 29 15.626	+3.0749	+0.0039	-0.0008	- 0 51 22.60	-19.884	+0.066	-0.021	4 3	4.97 5.24
2267	23 Comæ Berenices.	4.8	7.7	29 52.056	2.9980	-0.0085	-0.0052	+23 10 48.03	19.877	0.065	+0.007	8	6.80
2268	24 Comæ Berenices.	5.2	8.1	30 6.802	3.0123	-0.0062	+0.0003	+18 55 39.74	19.874	0.066	+0.016	18	7.40
2269	B. D. - 6°3598.	8.1*	8.1	30 35.377	3.0938	+0.0072	.....	- 6 53 46.28	19.869	0.068	.....	4	5.02
2270	B. D. + 1°2721.	8.9*	8.9	12 30 43.435	+3.0687	+0.0030	.....	+ 1 9 35.40	-19.867	+0.068	.....	7 6	5.69 5.93
2271	ζ Virginis.	5.9	8.8	12 31 38.229	+3.0893	+0.0064	-0.0020	- 5 16 50.11	-19.856	+0.070	+0.027	14	7.35
2272*	B. D. - 1°2699.	7.0	7.0	31 57.748	3.0781	0.0046	+0.0094	- 1 46 2.68	19.852	0.071	-0.132	4	5.04
2273*	B. D. + 4°2631.	6.2	6.2	32 58.529	3.0595	0.0018	-0.0015	+ 3 49 58.75	19.840	0.072	-0.023	4	5.00
2274	B. D. - 10°3512.	8.1*	8.1	33 8.619	3.1097	0.0096	.....	-10 58 1.52	19.838	0.074	.....	4	4.98
2275	B. D. + 2°2560.	6.0	6.0	12 33 16.326	+3.0642	+0.0025	-0.0057	+ 2 24 19.13	-19.836	+0.073	-0.027	4 3	4.96 5.22
2276	B. D. - 3°3329.	6.9	6.9	12 33 34.753	+3.0854	+0.0057	-0.0034	- 3 49 24.38	-19.832	+0.074	-0.013	4	5.02
2277	9 Canum Venaticorum.	6.3	6.3	33 57.562	2.8982	-0.0192	-0.0019	+41 25 29.72	19.827	0.071	-0.031	10 9	7.46 7.72
2278	χ Virginis.	4.8	7.7	34 4.986	3.0982	+0.0077	-0.0051	- 7 26 42.01	19.826	0.075	-0.037	14	5.86
2279	B. D. + 0°2966.	8.9*	8.9	34 17.416	3.0715	+0.0036	.....	+ 0 15 12.88	19.823	0.075	.....	4	5.07
2280*	B. D. - 5°3542.	6.9	6.9	12 34 21.096	+3.0917	+0.0067	+0.0025	- 5 33 2.12	-19.822	+0.076	-0.008	4	5.04
2281	B. D. - 2°3552.	7.9*	7.9	12 34 45.411	+3.0812	+0.0051	.....	- 2 30 59.30	-19.817	+0.076	.....	4	5.02
2282	B. D. - 9°3534.	8.7*	8.7	35 58.522	3.1065	0.0089	.....	- 9 16 24.80	19.800	0.079	.....	4	4.98
2283	γ Virginis (pr.)	3.7	8.6	36 35.146	3.0757	0.0044	.....	- 0 54 0.01	19.792	0.080	.....	15 13	6.69 6.62
2284	γ Virginis (mean)	2.9	7.8	36	3.0757	0.0044	-0.0376	- 0 54 2.72	19.792	0.080	+0.004	2	5.30
2285	γ Virginis (fol.)	3.7	8.6	12 36 35.386	+3.0757	+0.0044	.....	- 0 54 5.33	-19.792	+0.080	.....	15 12	6.69 6.82
2286	B. D. - 6°3626.	7.2	7.2	12 36 47.307	+3.0984	+0.0076	+0.0001	- 6 57 1.05	-19.789	+0.081	-0.049	4	5.04
2287	ρ Virginis.	5.0	7.9	36 49.409	3.0316	-0.0015	+0.0061	+10 47 12.05	19.789	0.079	-0.101	80 65	7.65 7.56
2288	B. D. + 1°2739.	7.9*	7.9	36 56.687	3.0684	+0.0034	.....	+ 1 2 39.78	19.787	0.080	.....	4	5.00
2289	76 Ursæ Majoris.	5.9	8.8	37 11.790	2.6436	-0.0380	-0.0038	+63 15 43.26	19.783	0.070	-0.019	9	6.16
2290*	B. D. - 3°3341.	7.8	7.8	12 37 51.792	+3.0858	+0.0058	-0.0152	- 3 29 46.28	-19.774	+0.083	-0.142	4	5.07
2291	330 G. Hydræ.	5.7	8.6	12 38 40.609	+3.1906	+0.0207	-0.0030	-27 46 30.31	-19.762	+0.087	-0.054	10	6.88
2292*	B. D. - 2°3567.	6.6	6.6	39 3.202	3.0814	+0.0052	-0.0042	- 2 17 40.05	19.756	0.084	-0.007	4	5.07
2293	B. D. - 10°3546.	8.3*	8.3	39 52.245	3.1152	+0.0096	.....	-10 27 8.12	19.744	0.087	.....	4	5.06
2294	Groombridge 1922.	5.5	8.4	40 25.891	2.8296	-0.0214	+0.0005	+45 59 13.50	19.736	0.081	+0.003	10	6.64
2295	B. D. + 1°2750.	8.9*	8.9	12 40 27.066	+3.0661	+0.0033	.....	+ 1 32 2.27	-19.735	+0.087	.....	4	4.98
2296	δ^2 Virginis.	5.2	8.1	12 40 33.851	+3.0384	0.0000	-0.0076	+ 8 13 13.26	-19.734	+0.086	+0.001	10	6.79
2297	B. D. + 3°2695.	7.7*	7.7	41 8.919	3.0598	+0.0026	.....	+ 3 0 41.60	19.725	0.088	.....	4 3	4.97 5.24
2298	B. D. - 6°3644.	7.9*	7.9	41 48.671	3.1032	+0.0080	.....	- 7 15 6.88	19.714	0.091	.....	4	5.04
2299	B. D. - 8°3424.	7.7	7.7	41 55.011	3.1094	+0.0088	.....	- 8 40 2.55	19.712	0.091	.....	4	5.00
2300	B. D. - 5°3569.	6.3	6.3	12 42 23.283	+3.0971	+0.0072	-0.0001	- 5 45 15.67	-19.705	+0.091	-0.050	4	5.07
2301	B. D. - 3°3360.	8.1*	8.1	12 42 24.962	+3.0901	+0.0063	.....	- 4 8 4.42	-19.704	+0.091	.....	4	5.07
2302	B. D. - 11°3366.	7.5	7.5	42 30.354	3.1249	0.0107	.....	-12 1 56.02	19.703	0.092	.....	4	5.04
2303	35 Virginis.	6.7	6.7	42 45.857	3.0545	0.0022	-0.0003	+ 4 7 8.02	19.699	0.091	-0.012	75 68	7.34 7.26
2304	B. D. + 0°2983.	8.1*	8.1	42 59.512	3.0715	0.0041	.....	+ 0 11 13.10	19.695	0.092	.....	4 3	5.00 5.27
2305	B. D. - 2°3580.	8.9*	8.9	12 44 1.410	+3.0864	+0.0059	.....	- 3 9 14.08	-19.678	+0.094	.....	4	5.04
2306*	B. D. - 6°3659.	6.9	6.9	12 44 55.741	+3.1047	+0.0080	-0.0159	- 7 5 14.98	-19.663	+0.097	+0.009	4	5.08
2307	B. D. + 1°2758.	7.9*	7.9	44 55.799	3.0668	0.0037	.....	+ 1 12 41.58	19.663	0.096	.....	4	5.00
2308	p Centauri.	5.0	7.9	45 15.478	3.2456	0.0259	-0.0030	-33 27 14.07	19.657	0.101	-0.036	11 10	7.74 7.62
2309	B. D. - 1°2731.	9.0*	9.0	45 15.938	3.0782	0.0050	.....	- 1 16 48.02	19.657	0.096	.....	4	5.07
2310	B. D. - 9°3569.	6.5	6.5	12 46 10.603	+3.1185	+0.0096	-0.0005	- 9 47 37.32	-19.641	+0.099	-0.020	4	5.04
2311	B. D. + 3°2703.	6.1	6.1	12 46 31.398	+3.0554	+0.0026	-0.0022	+ 3 36 1.90	-19.635	+0.098	+0.012	4	5.00
2312	31 Comæ Berenices.	5.1	8.0	46 49.672	2.9276	-0.0096	-0.0012	+28 5 5.87	19.630	0.095	-0.026	64 52	7.26 6.94
2313	B. D. - 5°3588.	8.3*	8.3	47 2.427	3.0988	+0.0073	.....	- 5 32 42.80	19.626	0.100	.....	4 3	5.00 5.27
2314	B. D. - 0°2622.	8.0	8.0	47 4.496	3.0742	+0.0046	.....	- 0 23 5.82	19.625	0.100	.....	4	5.04
2315	B. D. - 2°3593.	6.2	6.2	12 48 3.779	+3.0870	+0.0060	-0.0175	- 3 0 34.02	-19.608	+0.102	-0.013	4	5.00
2316	32 ¹ H. Camelopardalis s.p.	5.8	8.7	12 48 14.90	+0.4315	+0.2042	-0.015	+83 57 42.00	-19.604	+0.021	+0.014	1 2	7.97 6.29
2317	32 ² H. Camelopardalis.	5.3	8.2	48 23.065	0.4270	0.2048	-0.018	+83 57 23.72	19.602	0.021	+0.015	9	6.76
2318	32 ² H. Camelopardalis s.p.	5.3	8.2	48 22.930	0.4270	0.2048	-0.018	+83 57 23.29	19.602	0.021	+0.015	9 8	6.51 6.58
2319*	B. D. - 3°3373.	6.5	6.5	48 28.647	3.0904	0.0064	-0.0025	- 3 40 47.20	19.600	0.103	-0.070	4	5.08
2320	B. D. + 2°2596.	8.9*	8.9	12 48 40.263	+3.0609	+0.0034	.....	+ 2 19 40.05	-19.597	+0.102	.....	4	5.07
2321	B. D. - 10°3570.	6.0	8.9	12 49 6.156	+3.1281	+0.0105	-0.0097	-11 6 21.75	-19.588	+0.105	-0.001	4	5.03
2322	ψ Virginis.	4.9	7.8	49 9.046	3.1174	+0.0093	-0.0016	- 8 59 44.52	19.588	0.105	-0.021	16 14	7.19
2323	ϵ Ursæ Majoris.	1.7	6.6	49 37.971	2.6384	-0.0268	+0.0139	+56 30 9.69	19.579	0.091	-0.011	10	8.27
2324*	B. D. + 0°3002.	6.9	6.9	50 31.403	3.0693	+0.0043	-0.0022	+ 0 35 51.17	19.562	0.106	-0.033	4 3	5.00 5.27
2325	δ Virginis.	3.7	8.6	12 50 33.704	+3.0522	+0.0027	-0.0317	+ 3 56 27.44	-19.561	+0.106	-0.064	59 58	7.31 7.23

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Number of Observations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
2326	B. D. - 4°3379.....	6.8	6.8	12 51 5.507	+3.0947	+0.0069	.....	- 4 19 19.95	-19.551	+0.108	.....	4	5.06
2327	12 Canum Venaticorum.	2.9	7.8	51 20.878	2.8331	-0.0150	-0.0199	+38 51 30.79	19.546	0.100	+0.043	10	7.73
2328	8 Draconis.....	5.3	8.2	51 29.741	2.4041	-0.0319	-0.0005	+65 58 51.13	19.543	0.086	-0.035	10	8.27
2329	8 Draconis s. p.....	5.3	8.2	51 29.712	2.4041	-0.0319	-0.0005	+65 58 50.97	19.543	0.086	-0.035	10	8.24
2330	B. D. -10°3581.....	8.7	8.7	12 51 44.785	+3.1269	+0.0102	.....	-10 20 27.02	-19.538	+0.110	.....	4	5.00
2331*	B. D. - 8°3456.....	6.8	6.8	12 52 6.757	+3.1167	+0.0091	+0.0042	- 8 22 10.40	-19.531	+0.111	+0.011	4	5.06
2332	B. D. -12°3726.....	8.1	8.1	52 21.745	3.1382	0.0113	.....	-12 16 11.58	19.526	0.112	.....	4	5.07
2333	B. D. - 1°2745.....	9.7	9.7	52 26.726	3.0841	0.0059	.....	- 2 13 9.15	19.524	0.110	.....	4	5.04
2334	B. D. - 6°3705.....	7.7	7.7	53 24.943	3.1070	0.0081	.....	- 6 24 28.78	19.505	0.113	.....	4	5.00
2335	B. D. - 5°3605.....	7.2	7.2	12 53 49.617	+3.1026	+0.0077	.....	- 5 33 1.00	-19.496	+0.114	.....	4 3	5.00 5.27
2336	B. D. - 3°3384.....	5.9	8.8	12 54 30.359	+3.0903	+0.0065	-0.0019	- 3 16 20.08	-19.482	+0.114	-0.004	4	5.04
2337	B. D. - 0°2641.....	8.1*	8.1	54 59.709	3.0759	0.0052	.....	- 0 38 47.88	19.472	0.115	.....	4	5.00
2338	B. D. - 8°3466.....	7.1	7.1	55 17.193	3.1204	0.0094	.....	- 8 33 36.28	19.466	0.117	.....	4	5.08
2339	B. D. - 2°3609.....	6.1	6.1	55 26.905	3.0882	0.0063	-0.0020	- 2 49 50.00	19.463	0.116	+0.046	4	5.07
2340	B. D. -10°3592.....	8.5*	8.5	12 56 9.874	+3.1331	+0.0105	.....	-10 37 1.90	-19.448	+0.119	.....	4	5.03
2341	B. D. + 2°2614.....	7.9*	7.9	12 56 24.104	+3.0606	+0.0039	.....	+ 2 3 32.82	-19.443	+0.117	.....	4	5.00
2342	B. D. -11°3418.....	7.3	7.3	56 58.864	3.1397	+0.0111	.....	-11 34 17.42	19.430	0.121	.....	4	5.08
2343	ε Virginis.....	3.0	7.9	57 11.776	3.0052	-0.0006	-0.0185	+11 29 48.54	19.426	0.115	+0.017	53 47	7.46 7.59
2344	B. D. - 2°3620.....	9.1*	9.1	58 8.367	3.0866	+0.0062	.....	- 2 25 34.55	19.405	0.119	.....	4	5.07
2345*	B. D. - 4°3408.....	7.5	7.5	12 58 40.484	+3.0997	+0.0075	-0.0125	- 4 37 7.00	-19.393	+0.123	-0.217	4	5.00
2346	48 Virginis.....	6.5	6.5	12 58 45.161	+3.0908	+0.0066	-0.0030	- 3 7 30.55	-19.392	+0.123	-0.040	12 11	7.02 6.89
2347	B. D. - 5°3621.....	8.7*	8.7	59 1.412	+3.1089	0.0082	.....	- 6 7 29.68	19.386	+0.122	.....	4	5.06
2348	B. D. + 1°2786.....	7.2	7.2	59 38.027	+3.0673	0.0047	.....	+ 0 50 4.68	19.372	+0.123	.....	4	5.04
2349	B. D. -86°187.....	7.8	7.8	12 59 43.06	-2.435	1.201	.....	+86 25 24.55	19.370	-0.078	.....	4	7.71
2350	B. D. -12°3751.....	8.7*	8.7	13 0 19.238	+3.1479	+0.0117	.....	-12 15 9.25	-19.356	+0.128	.....	4	5.04
2351	B. D. - 9°3617.....	9.2*	9.2	13 0 27.849	+3.1336	+0.0104	.....	- 9 57 56.28	-19.353	+0.127	.....	4	5.08
2352	B. D. -13°3651.....	7.2	7.2	0 35.552	3.1567	+0.0124	.....	-13 34 31.18	19.350	0.128	.....	4	5.06
2353	B. D. - 6°3732.....	8.5*	8.5	0 38.280	3.1160	+0.0088	.....	- 7 7 23.42	19.349	0.127	.....	4	5.01
2354	14 Canum Venaticorum.	5.1	8.0	1 3.889	2.8135	-0.0123	-0.0021	+36 20 2.69	19.339	0.117	+0.010	10	6.71
2355	B. D. - 3°3406.....	8.5*	8.5	13 1 4.070	+3.0955	+0.0071	.....	- 3 46 23.02	-19.339	+0.127	.....	4	5.06
2356	B. D. - 1°2772.....	8.7*	8.7	13 1 45.500	+3.0808	+0.0059	.....	- 1 22 11.55	-19.323	+0.128	.....	4	5.07
2357	B. D. - 9°3628.....	5.3	8.2	2 39.354	+3.1373	0.0106	+0.0010	-10 12 20.02	19.302	+0.132	-0.018	4	5.04
2358	B. D. -10°3615.....	7.4	7.4	3 13.040	+3.1446	0.0112	.....	-11 13 35.15	19.289	+0.133	.....	4	5.00
2359	B. D. - 8°3491.....	5.7	8.6	3 19.506	+3.1265	0.0097	-0.0023	- 8 26 55.10	19.286	+0.132	-0.071	4	5.08
2360	Groombridge 2006.....	7.6	7.6	13 4 29.17	-8.653	+6.019	-0.013	+88 11 11.61	-19.258	-0.342	+0.012	10	7.94
2361	Groombridge 2006 s.p.	7.6	7.6	13 4 30.35	-8.653	+6.019	-0.013	+88 11 11.62	-19.258	-0.342	+0.012	9	5.35
2362	B. D. - 9°3636.....	6.2	6.2	4 31.117	+3.1364	0.0105	-0.0001	- 9 47 44.48	19.258	+0.135	+0.023	4	5.06
2363	B. D. - 2°3638.....	8.5*	8.5	4 33.650	+3.0909	0.0068	.....	- 2 51 15.28	19.257	+0.134	.....	4	5.07
2364	B. D. - 6°3750.....	7.4	7.4	4 34.193	+3.1188	0.0090	.....	- 7 7 17.80	19.256	+0.135	.....	4	5.02
2365	θ Virginis.....	4.4	7.3	13 4 46.257	+3.1050	+0.0079	-0.0026	- 5 0 18.01	-19.252	+0.134	-0.042	63 56	7.20 7.17
2366	17 Canum Venaticorum.	6.0	6.0	13 5 27.636	+2.7671	-0.0131	-0.0063	+39 1 50.01	-19.235	+0.122	+0.028	9	7.23
2367	B. D. + 0°3030.....	8.5*	8.5	5 35.707	3.0716	+0.0053	.....	+ 0 6 50.15	19.231	0.135	.....	4	5.04
2368	B. D. -13°3665.....	7.0	7.0	6 5.250	3.1631	+0.0126	.....	-13 25 45.45	19.219	0.139	.....	4	5.02
2369	B. D. -15°3613.....	5.1	8.0	6 44.146	3.1799	+0.0140	+0.0063	-15 39 33.52	19.203	0.141	-0.300	4	5.08
2370	B. D. -11°3457.....	8.7*	8.7	13 6 45.990	+3.1530	+0.0117	.....	-11 52 14.60	-19.202	+0.140	.....	4	5.06
2371	B. D. - 5°3653.....	9.1*	9.1	13 7 10.850	+3.1127	+0.0085	.....	- 5 58 5.90	-19.192	+0.139	.....	4	5.02
2372	43 Comæ Berenices.....	4.3	7.2	7 11.924	2.8636	-0.0078	-0.0004	+28 23 13.10	19.191	0.129	+0.875	44 40	8.01 7.93
2373	B. D. - 0°2668.....	7.4	7.4	7 37.570	3.0806	+0.0061	.....	- 1 13 37.40	19.180	0.139	.....	4	5.03
2374	B. D. - 3°3428.....	8.7*	8.7	8 30.055	3.0988	+0.0075	.....	- 3 50 44.12	19.158	0.141	.....	4	5.08
2375	B. D. - 8°3514.....	8.9*	8.9	13 9 29.433	+3.1357	+0.0103	.....	- 9 1 33.68	-19.132	+0.145	.....	4	5.01
2376	B. D. - 9°3646.....	7.2	7.2	13 9 30.499	+3.1416	+0.0107	-0.0025	- 9 50 22.82	-19.132	+0.145	-0.048	4	5.02
2377	B. D. -10°3635.....	6.9	6.9	9 41.573	3.1489	+0.0113	-0.0136	-10 49 54.02	19.127	0.145	-0.327	4	5.08
2378	B. D. - 2°3659.....	8.8*	8.8	10 48.237	3.0907	+0.0069	.....	- 2 34 51.22	19.098	0.145	.....	4	5.06
2379*	B. D. - 4°3452.....	7.8	7.8	10 52.280	3.1089	+0.0082	-0.0050	- 5 8 20.30	19.096	0.146	-0.062	4	5.02
2380	19 Canum Venaticorum.	5.7	8.6	13 11 2.134	+2.7132	-0.0134	-0.0104	+41 23 0.00	-19.092	+0.129	-0.001	10 9	6.81 7.00
2381	γ Centauri.....	5.4	8.3	13 11 19.782	+3.3180	+0.0253	+0.0021	-30 58 36.74	-19.084	+0.156	-0.064	10	6.73
2382	B. D. - 6°3776.....	8.2	8.2	11 37.458	3.1185	0.0089	.....	- 6 24 23.78	19.076	0.148	.....	4	5.03
2383	B. D. -12°3785.....	7.7	7.7	11 41.589	3.1645	0.0124	.....	-12 37 49.92	19.074	0.150	.....	4	5.08
2384	B. D. - 9°3654.....	7.2	7.2	12 12.725	3.1455	0.0109	-0.0063	-10 1 9.12	19.060	0.150	+0.009	4	5.00
2385	B. D. -14°3683.....	6.7	6.7	13 12 12.851	+3.1835	+0.0138	.....	-15 1 7.80	-19.060	+0.152	.....	4	5.03
2386	B. D. + 0°3040.....	6.3	6.3	13 12 22.618	+3.0734	+0.0056	.....	- 0 8 54.47	-19.055	+0.147	.....	4	5.08
2387*	B. D. - 7°3582.....	7.1	7.1	12 30.228	3.1323	+0.0099	+0.0010	- 8 12 16.15	19.052	0.150	.....	4	5.02
2388	σ Virginis.....	5.0	7.9	12 33.267	3.0286	+0.0028	-0.0009	+ 5 59 48.38	19.051	0.146	+0.009	10	7.16
2389	20 Canum Venaticorum.	4.7	7.6	13 3.460	2.7070	-0.0130	-0.0111	+41 5 56.83	19.037	0.132	+0.004	11	7.02
2390	61 Virginis.....	4.8	7.7	13 13 9.716	+3.2067	+0.0156	-0.0754	-17 45 26.26	-19.034	+0.154	-1.084	10	8.10

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				^h ^m ^s	^s	^s	^s	[°] ['] ["]	["]	["]	["]		1900+
2391	γ Hydræ.....	3.3	8.2	13 13 29.080	+3.2480	+0.0189	+0.0048	-22 38 38.31	-19.025	+0.157	-0.051	11 10	8.50 8.51
2392	B. D.—0°2678.....	8.7*	8.7	13 50.820	3.0778	0.0051	.....	-0 44 30.62	19.015	0.150	.....	4	5.03
2393	B. D.—10°3652.....	7.1	7.1	14 28.036	3.1564	0.0116	.....	-11 8 47.85	18.998	0.155	.....	4	5.06
2394	B. D.—10°3655.....	6.8	6.8	15 4.730	3.1542	0.0114	-0.0088	-10 46 42.98	18.981	0.156	-0.019	4	5.07
2395	B. D.—6°3788.....	9.1*	9.1	13 15 21.855	+3.1250	+0.0094	.....	-6 57 28.52	-18.973	+0.155	.....	4	5.01
2396	B. D.—2°3671.....	9.2*	9.2	13 15 32.494	+3.0951	+0.0073	.....	-3 0 31.05	-18.968	+0.154	.....	4	5.00
2397	23 Canum Venaticorum.....	5.7	8.6	15 50.066	2.6992	-0.0124	-0.0051	+40 40 31.83	18.959	0.136	-0.020	10	6.57
2398	B. D.—9°3669.....	7.0	7.0	15 57.948	3.1449	+0.0108	.....	-9 28 32.35	18.956	0.157	.....	4	5.08
2399*	B. D.—13°3692.....	7.0	7.0	16 47.562	3.1811	+0.0133	-0.0009	-13 53 40.90	18.932	0.160	-0.031	4	5.06
2400	B. D.—11°3498.....	7.1	7.1	13 16 50.910	+3.1663	+0.0123	+0.0005	-12 3 19.85	-18.930	+0.160	-0.026	4	5.02
2401*	B. D.—5°3678.....	6.7	6.7	13 17 19.303	+3.1163	+0.0087	-0.0058	-5 40 29.82	-18.917	+0.159	-0.151	4	5.03
2402	B. D.—4°3469.....	5.9	5.9	18 7.900	+3.1067	0.0082	-0.0016	-4 24 4.12	18.893	+0.159	-0.020	4	5.07
2403	ι Ursæ Minoris.....	7.4	7.4	18 38.03	-2.371	0.874	-0.104	+85 16 38.46	18.878	-0.108	+0.026	10	7.49
2404	ι Ursæ Minoris s. p.	7.4	7.4	18 37.78	-2.371	0.874	-0.104	+85 16 38.45	18.878	-0.108	+0.026	10	8.26
2405	B. D.—1°2815.....	8.3*	8.3	13 19 5.775	+3.0849	+0.0068	.....	-1 35 5.80	-18.865	+0.160	.....	4	5.08
2406	B. D.—3°3462.....	7.1	7.1	13 19 15.900	+3.1023	+0.0079	.....	-3 47 0.50	-18.860	+0.161	.....	4	5.10
2407	B. D.—4°3472.....	5.8	8.7	19 20.855	3.1092	+0.0084	+0.0100	-4 38 28.98	18.857	0.162	-0.040	4	5.08
2408	ζ^1 Ursæ Majoris.....	2.4	7.3	19 54.105	2.4094	-0.0168	+0.0148	+55 26 51.04	18.841	0.128	-0.030	10	8.42
2409	α Virginis.....	1.2	9.1	19 55.393	3.1581	+0.0116	-0.0028	-10 38 21.52	18.840	0.165	-0.036	52 46	7.69 7.61
2410	B. D.—8°3550.....	7.7	7.7	13 20 0.286	+3.1387	+0.0103	.....	-8 15 52.25	-18.838	+0.164	.....	4	5.02
2411	B. D.—6°3811 (<i>pr.</i>).....	8.3*	8.3	13 20 7.485	+3.1290	+0.0096	.....	-7 3 43.60	-18.834	+0.164	.....	4	5.07
2412	B. D.—0°2686.....	6.0	6.0	21 3.976	3.0778	0.0064	.....	-0 40 19.98	18.806	0.163	.....	4	5.03
2413	ι Virginis.....	5.6	8.5	21 26.032	3.1728	0.0125	-0.0092	-12 11 14.39	18.795	0.169	-0.022	14	7.49
2414	B. D.—15°3668.....	4.9	7.8	22 6.988	3.2019	0.0144	-0.0087	-15 27 17.12	18.774	0.172	+0.013	4	5.10
2415	B. D.—8°3562.....	8.1*	8.1	13 23 12.975	+3.1494	+0.0109	.....	-9 13 32.30	-18.740	+0.171	.....	4	5.08
2416	70 Virginis.....	5.2	8.1	13 23 32.159	+2.9508	-0.0003	-0.0167	+14 18 41.85	-18.730	+0.162	-0.586	10	8.01
2417	9 B. Ursæ Minoris.....	6.1	6.1	23 35.091	1.5219	+0.0079	+0.0056	+72 54 38.76	18.728	0.087	-0.017	10	8.33
2418	9 B. Ursæ Minoris s. p.	6.1	6.1	23 35.128	1.5219	+0.0079	+0.0056	+72 54 38.74	18.728	0.087	-0.017	10	7.96
2419*	B. D.—5°3702.....	7.0	7.0	23 50.820	3.1178	+0.0089	-0.0025	-5 26 15.80	18.720	0.170	-0.002	4	5.06
2420	B. D.—0°2694.....	6.4	6.4	13 24 6.887	+3.0794	+0.0066	-0.0029	-0 50 42.68	-18.712	+0.169	-0.061	4	5.07
2421	B. D.—13°3716.....	8.9*	8.9	13 24 38.860	+3.1880	+0.0134	.....	-13 29 4.45	-18.695	+0.176	.....	4	5.01
2422	69 H. Ursæ Majoris.....	5.4	8.3	24 46.806	2.2196	-0.0147	-0.0114	+60 27 44.58	18.691	0.125	+0.034	10 9	7.89 7.84
2423	B. D.—6°3827.....	8.9*	8.9	25 9.510	3.1335	+0.0099	.....	-7 11 10.92	18.679	0.174	.....	4	5.03
2424	B. D.—5°3706.....	6.1	6.1	25 12.622	3.1230	+0.0092	+0.0026	-5 57 14.30	18.677	0.174	+0.011	4	5.08
2425	B. D.—3°3486.....	9.1*	9.1	13 25 34.267	+3.1059	+0.0082	.....	-3 56 24.70	-18.666	+0.173	.....	4	5.10
2426*	B. D.—2°3695.....	7.1	7.1	13 25 41.630	+3.0940	+0.0075	-0.0011	-2 32 4.18	-18.662	+0.173	-0.006	4	5.08
2427	73 Virginis.....	5.9	8.8	26 39.102	3.2347	0.0164	-0.0063	-18 12 47.89	18.631	0.182	-0.023	10 9	7.37 7.29
2428	B. D.—5°3714.....	4.8	7.7	26 45.843	3.1220	0.0092	-0.0067	-5 44 21.60	18.627	0.176	-0.049	4	5.06
2429	B. D.—10°3699.....	9.1*	9.1	26 47.650	3.1661	0.0119	.....	-10 44 20.58	18.626	0.179	.....	4	5.01
2430	350 G. Hydræ.....	5.7	8.6	13 27 1.574	+3.3377	+0.0236	-0.0083	-28 10 38.87	-18.619	+0.188	-0.021	10	7.88
2431	B. D.—11°3535.....	7.9*	7.9	13 27 6.451	+3.1791	+0.0127	.....	-12 8 53.80	-18.616	+0.180	.....	4	5.07
2432	B. D.—14°3739.....	5.6	8.5	27 30.934	3.2044	0.0143	-0.0045	-14 50 54.62	18.603	0.182	-0.011	4	5.03
2433	B. D.—9°3711.....	5.4	8.3	27 41.927	3.1572	0.0113	-0.0020	-9 38 58.90	18.597	0.180	-0.044	4	5.08
2434	B. D.—7°3639.....	7.2	7.2	27 58.087	3.1421	0.0104	.....	-7 55 49.90	18.588	0.179	.....	4	5.10
2435	B. D.—6°3839.....	7.1	7.1	13 28 11.026	+3.1349	+0.0098	-0.0056	-7 6 31.75	-18.581	+0.180	-0.009	4	5.54
2436*	B. D.—7°3643 (<i>mean</i>).....	7.4	7.4	13 29 3.237	+3.1444	+0.0105	-0.0047	-8 6 17.68	-18.552	+0.182	-0.026	4	5.06
2437	B. D.—12°3843.....	5.8	8.7	29 21.345	3.1868	+0.0131	-0.0042	-12 42 5.05	18.542	0.184	-0.027	4	5.01
2438	ζ Virginis.....	3.4	8.3	29 35.668	3.0731	+0.0064	-0.0191	-0 5 4.18	18.534	0.179	+0.034	38 35	7.21 7.06
2439	81 Ursæ Majoris.....	5.5	8.4	30 16.599	2.3158	-0.0138	-0.0020	+55 51 39.04	18.512	0.137	-0.010	11 12	7.49 7.56
2440	B. D.—4°3515.....	5.8	8.7	13 30 19.100	+3.1162	+0.0088	+0.0013	-4 53 12.00	-18.510	+0.182	+0.072	4	5.08
2441	17 H. Canum Venaticorum.....	5.0	7.9	13 30 19.990	+2.6757	-0.0092	+0.0070	+37 41 41.02	-18.510	+0.158	-0.019	10	8.19
2442	B. D.—7°3661 (<i>mean</i>).....	7.1	7.1	32 20.728	3.1400	+0.0102	-0.0012	-7 21 41.18	18.441	0.187	-0.007	4	5.02
2443	B. D.—5°3737.....	8.2*	8.2	32 25.334	3.1288	+0.0096	.....	-6 8 33.25	18.439	0.187	.....	4	5.04
2444*	B. D.—2°3714.....	6.7	6.7	32 36.758	3.0974	+0.0079	+0.0048	-2 43 32.80	18.432	0.185	-0.058	4	5.08
2445	B. D.—13°3737.....	7.9*	7.9	13 32 40.164	+3.2042	+0.0140	.....	-14 4 57.42	-18.430	+0.192	.....	4	5.08
2446	25 Canum Venaticorum.....	4.9	7.8	13 33 1.001	+2.6775	-0.0085	-0.0086	+36 48 13.31	-18.418	+0.162	+0.014	10	8.06
2447	B. D.—8°3602.....	8.9*	8.9	33 4.053	3.1520	+0.0109	.....	-8 34 56.38	18.417	0.189	.....	4	5.06
2448	B. D.—10°3724.....	8.7*	8.7	33 12.245	3.1712	+0.0120	.....	-10 35 38.50	18.412	0.191	.....	4	5.02
2449	B. D.—14°3767.....	7.5	7.5	33 58.199	3.2121	+0.0144	.....	-14 42 0.10	18.385	0.194	.....	4	5.07
2450*	B. D.—11°3562.....	7.8	7.8	13 33 58.892	+3.1816	+0.0126	+0.0030	-11 34 56.95	-18.385	+0.193	-0.072	4	5.02
2451	B. D.—9°3737.....	7.9*	7.9	13 34 17.609	+3.1628	+0.0115	.....	-9 36 21.65	-18.374	+0.192	.....	4	5.04
2452*	B. D.—15°3715.....	6.9	6.9	34 35.171	3.2254	0.0152	-0.0010	-15 56 19.32	18.364	0.196	-0.022	4	5.08
2453	13 B. Ursæ Minoris.....	5.7	8.6	34 46.684	1.4435	0.0123	-0.0080	+71 45 3.70	18.357	0.092	-0.007	10	7.10
2454	13 B. Ursæ Minoris s. p.	5.7	8.6	34 46.717	1.4435	0.0123	-0.0080	+71 45 3.62	18.357	0.092	-0.007	10	7.40
2455	B. D.—5°3747.....	8.7*	8.7	13 35 50.068	+3.1279	+0.0096	.....	-5 50 50.55	-18.320	+0.193	.....	4	5.08

2411. Comp., 9^m.8, 5^m.4, 76°.2436. Double, 8^m.0, 8^m.4, 1^m.5, 140°.2442. Double, 7^m.9, 7^m.9, 2^m.5, 40°.2446. Comp., 7^m, 1^m.3, 130°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
2456	m Virginis.....	5.2	8.1	13 36 21.678	+3.1509	+0.0108	-0.0069	- 8 11 53.44	-18.301	+0.195	+0.036	57 56	6.94 6.92
2457	B. D.-12°3873.....	9.1*	9.1	37 7.107	3.1998	0.0135	.....	-13 3 18.65	18.274	0.200	.....	4	5.01
2458	B. D.- 3°3522.....	7.0	7.0	38 19.185	3.1090	0.0086	-0.0015	- 3 46 12.08	18.230	0.196	-0.030	4	5.06
2459	B. D.- 4°3540.....	6.4	6.4	38 41.955	3.1211	0.0092	-0.0032	- 4 59 42.15	18.216	0.198	-0.026	4	5.04
2460	B. D.-10°3743.....	8.1*	8.1	13 38 56.675	+3.1804	+0.0124	.....	-10 56 0.42	-18.207	+0.202	.....	4	5.03
2461	83 Virginis.....	5.7	8.6	13 39 5.970	+3.2295	+0.0152	+0.0005	-15 40 33.68	-18.202	+0.205	-0.005	14	6.49
2462*	B. D.-13°3761.....	6.9	6.9	39 22.871	3.2094	0.0140	-0.0018	-13 43 4.55	18.191	0.204	-0.201	4	5.08
2463	B. D.- 6°3878.....	7.1	7.1	39 42.278	3.1428	0.0103	-0.0024	- 7 7 55.00	18.180	0.200	+0.005	4	5.06
2464	Centauri.....	4.4	7.3	39 59.992	3.4327	0.0279	-0.0368	-32 32 16.72	18.168	0.219	-0.153	10	6.24
2465	B. D.-15°3735.....	6.2	6.2	13 40 11.877	+3.2268	+0.0149	-0.0026	-15 15 53.60	-18.161	+0.206	-0.037	4	5.01
2466	B. D.-11°3591.....	5.8	8.7	13 40 36.450	+3.1923	+0.0130	-0.0016	-11 55 30.75	-18.146	+0.205	0.000	4	5.06
2467	B. D.- 8°3639.....	6.2	6.2	41 56.217	3.1656	0.0115	+0.0008	- 9 12 29.85	18.096	0.206	-0.040	4	5.04
2468	B. D.-17°3932.....	5.8	8.7	41 58.872	3.2522	0.0163	+0.0034	-17 21 32.42	18.095	0.212	-0.043	4	5.03
2469	B. D.- 7°3700.....	8.7*	8.7	42 5.485	3.1533	0.0109	.....	- 8 0 5.95	18.091	0.206	.....	4	5.08
2470	B. D.- 5°3762.....	6.9	6.9	13 42 11.739	+3.1350	+0.0099	-0.0057	- 6 12 19.25	-18.087	+0.205	-0.014	4	5.08
2471	τ Boötis.....	4.5	7.4	13 42 30.358	+2.8850	-0.0006	-0.0340	+17 57 19.01	-18.075	+0.190	+0.026	17	6.82
2472	B. D.-15°3739.....	7.9	7.9	42 34.427	3.2335	+0.0152	.....	-15 33 55.55	18.072	0.212	.....	4	5.06
2473	B. D.- 6°3887.....	6.6	6.6	43 4.009	3.1369	+0.0100	-0.0030	- 6 20 16.82	18.054	0.206	-0.028	4	5.01
2474	B. D.-16°3747.....	8.8*	8.8	43 25.717	3.2448	+0.0157	.....	-16 28 54.02	18.040	0.214	.....	4	5.06
2475	B. D.-14°3806.....	8.5*	8.5	13 43 30.990	+3.2202	+0.0144	.....	-14 13 35.40	-18.036	+0.212	.....	4	5.04
2476	η Ursæ Majoris.....	1.9	6.8	13 43 35.935	+2.3812	-0.0102	-0.0121	+49 48 44.76	-18.033	+0.159	-0.021	10 9	7.60 7.50
2477	89 Virginis.....	5.1	8.0	44 26.120	3.2593	+0.0165	-0.0069	-17 38 9.47	18.001	0.217	-0.043	60 53	7.18 7.13
2478	B. D.-10°3768.....	7.8	7.8	45 29.745	3.1863	+0.0125	.....	-10 51 45.15	17.960	0.214	.....	4	5.08
2479*	B. D.- 7°3712.....	7.0	7.0	45 35.418	3.1483	+0.0106	-0.0005	- 7 17 16.35	17.956	0.212	-0.041	4	5.08
2480	B. D.-12°3910.....	7.0	7.0	13 45 44.210	+3.2117	+0.0138	.....	-13 10 57.32	-17.951	+0.216	.....	4	5.05
2481	B. D.- 4°3580.....	8.7*	8.7	13 47 22.442	+3.1206	+0.0093	.....	- 4 34 34.52	-17.887	+0.213	.....	4	5.02
2482	h Centauri.....	4.8	7.7	47 27.083	3.4414	0.0271	-0.0014	-31 26 0.90	17.884	0.234	-0.021	10	7.88
2483	B. D.- 9°3793.....	7.8	7.8	47 35.328	3.1810	0.0122	.....	-10 11 17.70	17.878	0.217	.....	4	5.06
2484	B. D.- 5°3774.....	8.5*	8.5	47 40.074	3.1359	0.0100	.....	- 5 59 42.98	17.875	0.214	.....	4	5.04
2485	B. D.-15°3756.....	8.0	8.0	13 47 48.316	+3.2404	+0.0152	.....	-15 30 13.80	-17.870	+0.221	.....	4	5.03
2486	B. D.- 2°3752.....	7.5	7.5	13 48 1.124	+3.1047	+0.0086	.....	- 3 2 52.02	-17.861	+0.213	.....	4	5.08
2487	7 Boötis.....	5.7	8.6	48 26.151	2.8694	-0.0007	-0.0027	+18 25 32.88	17.845	0.199	-0.013	11	7.24
2488	B. D.-13°3786.....	7.2	7.2	48 28.157	3.2262	+0.0144	.....	-14 10 15.18	17.843	0.222	.....	4	5.08
2489	i Draconis.....	4.8	7.7	48 30.616	1.7524	-0.0004	+0.0004	+65 13 1.90	17.842	0.124	-0.003	10	6.74
2490	i Draconis s. p.....	4.8	7.7	13 48 30.634	+1.7524	-0.0004	+0.0004	+65 13 1.40	-17.842	+0.124	-0.003	10	6.89
2491	B. D.-16°3760.....	6.8	6.8	13 48 55.137	+3.2557	+0.0160	.....	-16 41 15.60	-17.825	+0.225	.....	4	5.07
2492	B. D.- 7°3728 (pr.).....	6.5	6.5	49 43.283	3.1541	+0.0108	-0.0110	- 7 33 59.30	17.793	0.220	-0.030	4	5.10
2493	B. D.-11°3626.....	8.3*	8.3	49 50.363	3.2029	+0.0132	.....	-11 57 26.48	17.788	0.223	.....	4	5.06
2494	η Boötis.....	2.8	7.7	49 55.332	2.8612	-0.0005	-0.0045	+18 53 54.03	17.785	0.200	-0.367	52 46	7.24 7.39
2495*	B. D.- 8°3667.....	6.9	6.9	13 50 30.351	+3.1713	+0.0117	-0.0032	- 9 4 9.18	-17.761	+0.222	-0.034	4	5.04
2496*	B. D.- 9°3804.....	6.8	6.8	13 50 35.094	+3.1735	+0.0118	+0.0033	- 9 15 54.38	-17.758	+0.223	0.000	4	5.03
2497	92 Virginis.....	5.9	8.8	51 22.114	3.0556	0.0065	-0.0023	+ 1 32 23.25	17.726	0.216	+0.012	11	6.76
2498	B. D.-10°3790.....	8.6*	8.6	52 25.149	3.1883	0.0124	.....	-10 26 9.65	17.683	0.226	.....	4	5.08
2499	47 Hydræ.....	5.2	8.1	52 54.326	3.3602	0.0214	-0.0036	-24 29 1.96	17.663	0.240	-0.041	12	7.22
2500	B. D.-16°3773.....	8.9*	8.9	13 53 2.808	+3.2675	+0.0163	.....	-17 8 17.72	-17.657	+0.233	.....	4	5.08
2501*	B. D.-11°3642.....	7.1	7.1	13 53 5.058	+3.2019	+0.0131	+0.0099	-11 34 3.98	-17.656	+0.229	-0.161	4	5.06
2502*	B. D.-13°3802.....	6.8	6.8	53 6.414	3.2259	0.0142	+0.0009	-13 38 4.45	17.654	0.230	-0.001	4	5.10
2503	B. D.-15°3781.....	8.5*	8.5	53 20.962	3.2473	0.0153	.....	-15 25 1.70	17.645	0.232	.....	4	5.06
2504	B. D.-17°3971.....	7.0	7.0	53 34.425	3.2805	0.0170	.....	-18 8 10.95	17.635	0.235	.....	4	5.04
2505	B. D.- 6°3911.....	7.0	7.0	13 53 44.800	+3.1441	+0.0104	.....	- 6 26 11.55	-17.628	+0.226	.....	4	5.03
2506*	B. D.- 4°3597.....	7.3	7.3	13 54 14.044	+3.1275	+0.0097	+0.0015	- 4 55 56.50	-17.608	+0.226	-0.202	4	5.08
2507	48 Hydræ.....	5.8	8.7	54 23.921	3.3642	0.0214	-0.0152	-24 31 20.47	17.601	0.242	-0.111	10	8.13
2508	B. D.-12°3933.....	8.1*	8.1	54 45.005	3.2202	0.0139	.....	-12 58 53.48	17.586	0.233	.....	4	5.08
2509	B. D.- 7°3748.....	6.6	6.6	54 48.332	3.1588	0.0111	-0.0017	- 7 40 29.52	17.584	0.228	-0.059	4	5.06
2510	B. D.-14°3846.....	7.9*	7.9	13 55 3.967	+3.2382	+0.0148	.....	-14 27 58.00	-17.573	+0.235	.....	4	5.10
2511	B. D.- 9°3832.....	8.9*	8.9	13 56 19.606	+3.1805	+0.0120	.....	- 9 27 23.80	-17.520	+0.233	.....	4	5.06
2512	τ Virginis.....	4.3	7.2	56 33.380	3.0493	+0.0065	+0.0013	+ 2 1 42.75	17.510	0.224	-0.025	51	6.33 6.29
2513	11 Boötis.....	6.1	6.1	56 38.332	2.7280	-0.0032	-0.0060	+27 52 11.05	17.506	0.201	+0.003	13 11	7.60 7.72
2514	B. D.-16°3785.....	6.5	6.5	57 37.287	3.2715	+0.0162	.....	-16 53 5.38	17.464	0.242	.....	4	5.04
2515	B. D.- 5°3798.....	8.1*	8.1	13 57 44.125	+3.1417	+0.0103	.....	- 6 1 42.90	-17.459	+0.232	.....	4	5.03
2516	B. D.-10°3810.....	7.5	7.5	13 58 6.982	+3.1943	+0.0126	.....	-10 29 8.90	-17.443	+0.237	.....	4	5.06
2517	B. D.-11°3659.....	7.8	7.8	58 50.712	3.2089	0.0132	.....	-11 38 56.38	17.411	0.239	.....	4	5.08
2518	B. D.- 4°3614.....	6.7	6.7	59 1.198	3.1292	0.0097	.....	- 4 54 2.25	17.404	0.234	.....	4	5.06
2519	B. D.-14°3863.....	6.4	6.4	59 2.049	3.2438	0.0148	-0.0026	-14 29 26.55	17.403	0.242	-0.029	4	5.06
2520	B. D.- 8°3689.....	6.5	6.5	13 59 3.637	+3.1748	+0.0117	-0.0027	- 8 46 37.88	-17.402	+0.237	-0.007	4	5.07

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Number of Observations.	Mean Date.
2521*	B. D. -15°3805.....	6.4	6.4	h m s 13 59 46.995	s +3.2618	s +0.0156	s -0.0036	° ' "° -15 51 23.95	" -17.371	" +0.245	" -0.012	4	1900+ 5.04
2522	B. D. - 6°3930.....	8.0*	8.0	13 59 57.100	3.1520	0.0107	.....	- 6 47 48.50	17.363	0.237	.....	4	5.03
2523	π Hydra.....	3.5	8.4	14 0 40.520	3.4028	0.0228	+0.0031	-26 12 2.01	17.331	0.257	-0.160	12	5.60
2524	94 Virginis.....	6.6	6.6	0 59.970	3.1719	0.0115	-0.0005	- 8 24 51.28	17.317	0.240	+0.009	15	5.97
2525*	B. D. -13°3824.....	6.7	6.7	14 1 17.168	+3.2372	+0.0144	+0.0041	-13 43 37.00	-17.304	+0.245	-0.090	4	5.08
2526	B. D. - 8°3697.....	5.5	8.4	14 1 25.328	+3.1773	+0.0117	-0.0097	- 8 50 10.08	-17.298	+0.241	+0.004	4	5.06
2527	α Draconis.....	3.6	8.5	1 40.781	1.6308	0.0048	-0.0081	+64 51 13.58	17.287	0.128	+0.015	21 22	8.88 8.93
2528	α Draconis s. p.....	3.6	8.5	1 40.769	1.6308	0.0048	-0.0081	+64 51 13.75	17.287	0.128	+0.015	18	7.75
2529	B. D. - 7°3770.....	8.1*	8.1	1 51.252	3.1671	0.0133	.....	- 7 57 46.02	17.279	0.241	.....	4	5.06
2530*	B. D. -12°3966 (fol.)	7.7	7.7	14 2 40.329	+3.2228	+0.0137	+0.0052	-12 26 59.00	-17.243	+0.247	-0.121	4	5.07
2531*	B. D. -11°3671.....	6.8	6.8	14 3 7.437	+3.2097	+0.0131	-0.0003	-11 21 14.65	-17.223	+0.247	-0.008	4	5.04
2532	B. D. -17°4013.....	8.9*	8.9	3 21.260	3.2852	+0.0166	.....	-17 15 40.42	17.212	0.253	.....	4	5.03
2533	B. D. -18°3757.....	7.2	7.2	3 28.895	3.3053	+0.0175	.....	-18 46 9.92	17.207	0.254	.....	4	5.06
2534	B. D. - 9°3865.....	6.5	6.5	3 40.780	3.1917	+0.0123	-0.0003	- 9 51 38.30	17.198	0.246	+0.016	4	5.08
2535	9 H. Boötis.....	5.4	8.3	14 3 55.864	+2.4003	-0.0062	+0.0004	+44 19 48.46	-17.187	+0.188	-0.037	12 13	7.28 7.19
2536	B. D. -15°3817.....	5.1	8.0	14 5 22.666	+3.2694	+0.0157	+0.0011	-15 49 46.12	-17.121	+0.255	-0.022	4	5.06
2537	B. D. - 5°3824.....	7.3	7.3	5 42.888	3.1395	+0.0102	.....	- 5 30 6.12	17.106	0.246	.....	4	5.06
2538	B. D. -14°3893.....	8.7*	8.7	5 47.190	3.2558	+0.0151	.....	-14 44 19.25	17.102	0.255	.....	4	5.07
2539	d Boötis.....	4.8	7.7	5 50.252	2.7387	-0.0017	-0.0017	+25 33 55.32	17.100	0.216	-0.072	53 44	7.17 7.08
2540	B. D. - 9°3877.....	7.3	7.3	14 7 13.611	+3.1893	+0.0122	+0.0028	- 9 25 46.88	-17.036	+0.253	-0.029	4	5.04
2541	κ Virginis.....	4.3	7.2	14 7 33.592	+3.1944	+0.0124	+0.0005	- 9 48 28.32	-17.021	+0.253	+0.130	48 45	7.67 7.71
2542*	B. D. -13°3845.....	7.2	7.2	7 45.197	3.2406	0.0143	-0.0046	-13 23 24.82	17.012	0.257	-0.059	4	5.06
2543	B. D. - 7°3794.....	7.1	7.1	8 0.948	3.1716	0.0114	.....	- 7 58 32.48	17.000	0.252	.....	4	5.08
2544	B. D. -11°3693.....	6.9	6.9	8 20.673	3.2151	0.0132	.....	-11 22 9.92	16.985	0.256	.....	4	5.06
2545	B. D. - 6°3952.....	8.1*	8.1	14 9 0.707	+3.1547	+0.0108	.....	- 6 35 16.92	-16.954	+0.253	.....	4	5.09
2546	B. D. - 5°3837.....	6.3	6.3	14 9 8.598	+3.1409	+0.0102	-0.0206	- 5 28 56.98	-16.947	+0.252	+0.079	4	5.09
2547	4 Ursæ Minoris.....	5.0	7.9	9 13.880	+0.2932	0.1508	-0.0089	+78 1 2.60	16.943	-0.016	+0.026	10	7.43
2548	4 Ursæ Minoris s. p.....	5.0	7.9	9 13.758	-0.2932	0.1508	-0.0089	+78 1 2.79	16.943	-0.016	+0.026	10	8.53
2549	B. D. -17°4046.....	5.6	8.5	9 53.287	+3.3018	0.0169	-0.0028	-17 44 2.68	16.912	+0.265	-0.018	4	5.04
2550	B. D. -15°3837.....	8.0	8.0	14 10 22.228	+3.2736	+0.0156	.....	-15 36 56.88	-16.890	+0.264	.....	4	5.03
2551	ε Virginis.....	4.2	7.1	14 10 46.157	+3.1421	+0.0103	-0.0012	- 5 31 26.98	-16.871	+0.255	-0.427	47 45	8.07 8.11
2552	α Boötis.....	0.2	8.1	11 5.385	2.8133	0.0004	-0.0781	+19 41 55.94	16.855	0.230	-2.003	42 38	7.78 7.65
2553*	B. D. - 5°3845.....	6.2	6.2	11 6.019	3.1504	0.0106	-0.0001	- 6 9 23.15	16.855	0.256	-0.102	4	5.08
2554*	B. D. - 8°3737.....	6.6	9.5	11 30.216	3.1797	0.0117	-0.0001	- 8 25 10.85	16.836	0.259	-0.031	4	5.06
2555*	B. D. -17°4053.....	6.4	6.4	14 11 31.907	+3.3098	+0.0172	-0.0005	-18 7 16.95	-16.835	+0.269	+0.106	4	5.09
2556	B. D. +37°2511.....	8.2*	8.2	14 11 35.761	+2.5151	-0.0042	.....	+37 30 36.80	-16.832	+0.206	.....	4	5.92
2557	B. D. -19°3846.....	6.9	6.9	11 54.269	3.3299	+0.0181	.....	-19 29 58.22	16.817	0.271	.....	4	5.09
2558*	B. D. - 8°3740.....	6.7	6.7	12 3.868	3.1819	+0.0118	-0.0010	- 8 33 32.48	16.810	0.260	+0.020	4	5.04
2559	λ Boötis.....	4.3	7.2	12 34.759	2.3010	-0.0050	-0.0179	+46 32 52.51	16.785	0.191	+0.151	11 10	6.79 6.93
2560	ε Boötis.....	4.8	7.7	14 12 37.316	+2.1425	-0.0043	-0.0157	+51 49 43.26	-16.783	+0.178	+0.086	10	6.15
2561	B. D. -14°3918.....	8.1*	8.1	14 12 38.997	+3.2607	+0.0150	.....	-14 26 54.22	-16.782	+0.267	.....	4	5.05
2562	B. D. - 7°3813.....	7.2	7.2	12 41.149	3.1687	0.0113	.....	- 7 30 12.08	16.780	0.260	.....	4	5.08
2563*	B. D. - 6°3964.....	6.5	6.5	12 42.083	3.1631	0.0111	+0.0116	- 7 4 24.32	16.779	0.259	-0.232	4	5.08
2564	B. D. -18°3789.....	5.7	5.7	13 6.305	3.3142	0.0172	-0.0040	-18 15 10.05	16.760	0.273	-0.041	4	5.06
2565	B. D. -11°3711.....	7.9*	7.9	14 13 26.205	+3.2232	+0.0134	.....	-11 36 4.48	-16.744	+0.266	.....	5	5.33
2566	λ Virginis.....	4.6	7.5	14 13 41.827	+3.2411	+0.0141	-0.0015	-12 54 38.32	-16.731	+0.267	+0.023	53 51	7.39 7.44
2567	B. D. +38°2541.....	8.0	8.0	13 49.963	2.4942	-0.0041	.....	+38 7 11.52	16.725	0.208	.....	4	5.92
2568*	B. D. - 6°3972.....	6.6	6.6	14 37.819	3.1539	+0.0107	-0.0106	- 6 17 7.78	16.686	0.262	0.000	4	5.04
2569	B. D. -16°3843.....	7.7*	7.7	14 57.113	3.3002	+0.0165	.....	-17 4 7.05	16.671	0.274	.....	4	5.07
2570	B. D. +38°2544.....	8.1	8.1	14 15 18.772	+2.4896	-0.0039	.....	+38 4 13.98	-16.653	+0.209	.....	4	5.92
2571	B. D. - 9°3915.....	7.4	7.4	14 16 12.005	+3.2031	+0.0125	.....	- 9 54 45.38	-16.610	+0.268	.....	4	5.06
2572	B. D. - 8°3761.....	9.1*	9.1	16 28.243	3.1806	0.0117	.....	- 8 12 55.15	16.596	0.267	.....	4	5.12
2573	B. D. - 7°3834 (north)	7.6	7.6	17 21.076	3.1690	0.0113	.....	- 7 18 29.13	16.553	0.267	.....	3	6.31
2574*	B. D. - 7°3834 (mean)	6.8	6.8	17 21.067	3.1690	0.0113	-0.0026	- 7 18 31.95	16.553	0.267	-0.064	2	4.30
2575	B. D. - 7°3834 (south)	7.6	7.6	14 17 21.163	+3.1690	+0.0113	.....	- 7 18 35.07	-16.553	+0.267	.....	3	6.31
2576	B. D. +36°2478.....	8.2*	8.2	14 18 1.716	+2.5202	-0.0033	.....	+36 6 14.70	-16.520	+0.215	.....	4	5.92
2577	2 Libræ.....	6.3	6.3	18 2.650	3.2231	+0.0132	-0.0010	-11 15 26.16	16.519	0.273	-0.064	18	6.49
2578	B. D. -14°3944.....	9.1*	9.1	18 24.227	3.2687	+0.0150	.....	-14 30 13.12	16.501	0.278	.....	4	5.09
2579	B. D. -12°4037.....	8.1*	8.1	18 24.252	3.2404	+0.0139	.....	-12 29 11.15	16.501	0.275	.....	4	5.04
2580*	B. D. -15°3862.....	6.7	6.7	14 18 28.591	+3.2850	+0.0157	-0.0026	-15 38 49.65	-16.497	+0.279	-0.007	4	5.06
2581	3 G. Libræ.....	5.4	8.3	14 19 6.154	+3.4173	+0.0215	-0.0055	-24 21 8.60	-16.466	+0.291	-0.031	12	6.30
2582	B. D. -11°3736.....	6.5	6.5	19 18.210	3.2237	+0.0132	-0.0047	-11 12 55.60	16.456	0.276	-0.043	4	5.04
2583	B. D. +39°2760.....	7.2	7.2	19 27.689	2.4361	-0.0036	.....	+39 47 8.58	16.448	0.210	.....	4	5.92
2584*	B. D. -12°4042.....	6.6	6.6	19 52.414	3.2478	+0.0141	-0.0038	-12 54 2.00	16.428	0.279	+0.003	4	5.12
2585	B. D. -19°3879 (pr.)	7.3*	7.3	14 19 52.46	+3.3437	+0.0180	.....	-19 30 46.1	-16.428	+0.286	.....	1	5.27

2530. Comp., 9m.0, 5".2, 282°.

2582. Double, 6m.7, 8m.3, 1".4, 300°.

2585. Comp., 8m.2, 1".3, 100°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				^h ^m ^s	^s	^s	^s	[°] ['] ^{''}	^{''}	^{''}	^{''}		1900+
2586	B. D.—19°3880.....	6.4	6.4	14 19 54.680	+3.3439	+0.0181	.....	-19 31 1.03	-16.426	+0.286	.....	3	4.98
2587	B. D.—18°3821.....	8.7*	8.7	21 21 2.162	3.3285	+0.0173	.....	-18 22 9.08	16.369	0.287	.....	4	5.10
2588	B. D.—16°3867.....	8.5*	8.5	21 26.627	3.3118	+0.0166	.....	-17 12 5.70	16.349	0.286	.....	4	5.09
2589	<i>θ</i> Boötis.....	4.1	7.0	21 47.377	2.0690	-0.0025	-0.0260	+52 18 44.57	16.331	0.182	-0.406	11 12	5.48 5.36
2590	<i>f</i> Boötis.....	5.4	8.3	14 21 48.191	+2.7952	+0.0010	-0.0052	+19 40 35.76	-16.330	+0.243	+0.015	43 40	7.68 7.67
2591*	B. D.—14°3959.....	7.3	7.3	14 21 54.561	+3.2713	+0.0150	-0.0094	-14 23 14.92	-16.325	+0.284	-0.041	4	5.04
2592	52 Hydræ.....	5.0	7.9	22 18.872	3.5041	0.0251	-0.0019	-29 2 31.67	16.304	0.304	-0.033	11 10	8.10 8.07
2593	B. D.—12°4055.....	6.7	6.7	22 19.848	3.2506	0.0141	-0.0059	-12 54 34.20	16.303	0.283	-0.037	4	5.05
2594	B. D.—8°3781.....	8.9*	8.9	22 50.886	3.1863	0.0118	.....	-8 18 30.60	16.277	0.278	.....	4	5.08
2595	<i>φ</i> Virginis.....	5.0	7.9	14 23 2.852	+3.0966	+0.0088	-0.0089	-1 46 46.62	-16.267	+0.271	-0.010	12	7.32
2596*	B. D.—9°3945.....	6.7	6.7	14 23 11.255	+3.2039	+0.0124	-0.0048	-9 33 20.65	-16.260	+0.280	-0.020	4	5.12
2597	B. D.—6°4009.....	5.7	8.6	23 25.139	3.1609	+0.0109	-0.0016	-6 27 4.50	16.248	0.276	-0.071	4	5.05
2598	B. D.—36°2493.....	7.5	7.5	23 47.564	2.5017	-0.0028	.....	+36 1 38.28	16.229	0.221	.....	4	5.92
2599*	B. D.—14°3968.....	7.1	7.1	24 45.370	3.2809	+0.0152	-0.0086	-14 48 16.22	16.179	0.290	0.000	4	5.10
2600	B. D.—21°3917.....	6.9	6.9	14 25 0.326	+3.3919	+0.0197	.....	-22 0 56.55	-16.166	+0.299	.....	4	5.09
2601	<i>g</i> Boötis.....	5.6	8.5	14 25 8.859	+2.1199	-0.0026	-0.0320	+50 17 32.41	-16.159	+0.190	-0.054	10	5.93
2602	B. D.—20°4043.....	7.1	7.1	25 14.266	3.3646	+0.0185	.....	-20 16 22.65	16.154	0.297	.....	4	5.04
2603	204 B. Boötis.....	6.4	9.3	25 40.382	2.3517	-0.0032	.....	+42 14 48.64	16.132	0.210	.....	10	6.58
2604	B. D.—39°2773.....	7.7	7.7	25 43.006	2.4226	-0.0030	.....	+39 18 24.55	16.129	0.217	.....	4	5.92
2605	B. D.—11°3753.....	8.5*	8.5	14 25 54.730	+3.2329	+0.0134	.....	-11 25 32.72	-16.119	+0.287	.....	4	5.05
2606	B. D.—12°4074.....	7.9*	7.9	14 26 21.054	+3.2526	+0.0141	.....	-12 44 55.78	-16.097	+0.290	.....	4	5.08
2607	B. D.—15°3892.....	7.8	7.8	26 26.540	3.2997	0.0158	.....	-15 55 8.20	16.092	0.294	.....	4	5.12
2608	B. D.—17°4110.....	8.1*	8.1	26 48.747	3.3233	0.0167	.....	-17 26 18.75	16.072	0.296	.....	4	5.06
2609	B. D.—10°3920.....	8.3*	8.3	26 49.260	3.2203	0.0129	.....	-10 29 34.65	16.072	0.287	.....	4	5.09
2610	B. D.—9°3962.....	8.3*	8.3	14 27 13.565	+3.2037	+0.0123	.....	-9 18 57.00	-16.051	+0.287	.....	4	5.09
2611	<i>ρ</i> Boötis.....	3.8	8.7	14 27 31.097	+2.5940	-0.0015	-0.0078	+30 48 38.21	-16.035	+0.234	+0.110	13	7.82 7.90
2612	5 Ursæ Minoris.....	4.4	7.3	27 43.839	-0.1825	+0.1178	+0.0034	+76 8 26.25	16.024	-0.009	+0.017	12	5.74
2613	5 Ursæ Minoris s. p.	4.4	7.3	27 43.805	-0.1825	+0.1178	+0.0034	+76 8 26.26	16.024	-0.009	+0.017	10	5.97
2614	<i>γ</i> Boötis.....	3.0	7.9	28 2.974	+2.4267	-0.0027	-0.0095	+38 44 45.79	16.008	+0.220	+0.144	10	7.77
2615	B. D.—18°3853.....	8.1*	8.1	14 28 33.535	+3.3514	+0.0177	.....	-19 4 45.28	-15.981	+0.302	.....	4	5.04
2616	56 B. Draconis.....	6.2	6.2	14 28 59.780	+1.6328	+0.0061	-0.0064	+60 39 58.62	-15.958	+0.151	+0.019	11 10	6.64 6.69
2617	B. D.—19°3903.....	6.5	6.5	29 12.933	3.3672	+0.0183	+0.0035	-20 0 1.20	15.946	0.304	-0.004	4	5.05
2618	B. D.—36°2506.....	8.6*	8.6	29 34.373	2.4720	-0.0023	.....	+36 29 27.50	15.927	0.226	.....	4	5.92
2619	<i>σ</i> Boötis.....	4.5	7.4	30 19.616	2.5983	-0.0011	+0.0149	+30 10 47.02	15.887	0.238	+0.120	10	5.11
2620	B. D.—21°3993.....	7.1	7.1	14 30 27.170	+3.3976	+0.0194	.....	-21 44 25.98	-15.880	+0.309	.....	4	5.06
2621	B. D.—38°2570.....	7.9	7.9	14 30 28.591	+2.4246	-0.0028	.....	+38 26 59.92	-15.879	+0.222	.....	4	5.92
2622	B. D.—7°3874.....	7.1	7.1	30 28.790	3.1890	+0.0117	.....	-8 8 16.15	15.879	0.290	.....	4	5.12
2623	B. D.—13°3931.....	8.7*	8.7	30 51.715	3.2700	+0.0145	.....	-13 35 28.18	15.858	0.298	.....	4	5.05
2624	6 B. Libræ.....	6.2	6.2	31 40.120	3.2451	+0.0136	-0.0594	-11 52 46.36	15.815	0.298	+0.364	14	6.29
2625*	B. D.—9°3975.....	6.8	6.8	14 33 37.772	+3.2206	+0.0127	+0.0001	-10 7 21.90	-15.709	+0.298	+0.019	4	5.09
2626	B. D.—17°4138.....	7.9*	7.9	14 33 49.164	+3.3337	+0.0167	.....	-17 27 18.28	-15.699	+0.309	.....	4	5.04
2627	B. D.—37°2557.....	8.2*	8.2	34 12.926	2.4410	-0.0019	.....	+37 9 31.88	15.677	0.229	.....	4	5.92
2628	B. D.—15°3922.....	7.7	7.7	34 36.711	3.3081	+0.0157	.....	-15 46 10.38	15.655	0.308	.....	4	5.05
2629	B. D.—13°3944.....	7.2	7.2	35 3.817	3.2750	+0.0145	.....	-13 36 59.25	15.631	0.306	.....	4	5.08
2630	33 Boötis.....	5.4	8.3	14 35 6.867	+2.2401	-0.0022	-0.0069	+44 50 10.29	-15.628	+0.211	-0.029	12	5.62
2631	B. D.—14°4006.....	8.3*	8.3	14 35 24.010	+3.2952	+0.0152	.....	-14 53 23.55	-15.612	+0.308	.....	4	5.05
2632	B. D.—21°3946.....	7.1	7.1	35 24.433	3.4143	+0.0197	.....	-22 11 20.00	15.612	0.319	.....	4	5.12
2633	B. D.—19°3939.....	7.2	7.2	35 47.612	3.3698	+0.0179	.....	-19 29 54.75	15.591	0.316	.....	4	5.10
2634	B. D.—38°2578.....	7.7	7.7	35 59.563	2.4024	-0.0019	.....	+38 32 23.95	15.580	0.227	.....	4	5.92
2635	<i>π</i> Boötis (pr.).....	4.9	7.8	14 36 1.541	+2.8176	+0.0024	+0.0011	+16 50 49.70	-15.578	+0.265	+0.002	11	7.30
2636	<i>ζ</i> Boötis (mean).....	3.9	8.8	14 36 22.380	+2.8598	+0.0033	+0.0038	+14 9 26.62	-15.559	+0.270	-0.027	10	8.23
2637	B. D.—13°3957.....	8.3*	8.3	36 35.070	3.2737	0.0144	.....	-13 25 33.85	15.547	0.308	.....	4	5.09
2638*	R. D.—11°3789.....	7.1	7.1	36 36.626	3.2487	0.0136	+0.0019	-11 48 25.52	15.546	0.306	-0.009	4	5.04
2639	B. D.—20°4074.....	8.5*	8.5	36 54.527	3.3928	0.0187	.....	-20 46 0.45	15.529	0.319	.....	4	5.05
2640	<i>c</i> ¹ Centauri.....	4.1	9.0	14 37 32.291	+3.6605	+0.0301	-0.0062	-34 44 35.85	-15.494	+0.345	-0.193	11	7.42
2641	<i>μ</i> Virginis.....	4.0	8.9	14 37 47.373	+3.1500	+0.0104	+0.0071	-5 13 26.11	-15.480	+0.298	-0.322	43 38	6.77 6.52
2642	B. D.—9°3984.....	6.6	6.6	38 3.939	3.2112	+0.0123	.....	-9 16 24.32	15.465	0.304	.....	4	5.10
2643	B. D.—37°2566.....	8.6*	8.6	38 17.361	2.4298	-0.0026	.....	+37 2 21.22	15.453	0.232	.....	4	5.92
2644	34 Boötis.....	4.9	7.8	39 1.600	2.6377	-0.0001	-0.0008	+26 57 10.75	15.411	0.253	-0.021	10	8.11
2645	B. D.—16°3934.....	8.1*	8.1	14 40 2.755	+3.3240	+0.0160	.....	-16 19 15.72	-15.354	+0.318	.....	4	5.11
2646	B. D.—17°4172.....	7.5	7.5	14 40 17.746	+3.3399	+0.0165	.....	-17 16 30.38	-15.340	+0.320	.....	4	5.05
2647*	B. D.—22°3844.....	5.9	5.9	40 22.237	3.4329	0.0199	+0.0029	-22 43 47.30	15.336	0.328	+0.016	4	5.13
2648	B. D.—18°3891.....	8.6*	8.6	40 26.041	3.3614	0.0172	.....	-18 33 26.78	15.332	0.322	.....	4	5.09
2649	B. D.—14°4023.....	6.6	6.6	40 26.782	3.3037	0.0152	-0.0020	-15 2 16.45	15.332	0.316	-0.006	4	5.04
2650	Piazz 166.....	6.4	6.4	14 40 30.422	+3.3987	+0.0186	-0.0037	-20 45 6.96	-15.328	+0.326	-0.118	14	6.74

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
2651	ϵ Boötis	2.7	7.6	14 40 37.134	+2.6238	0.0000	-0.0036	+27 29 45.14	-15.322	+0.253	+0.008	39 38	6.83 6.69
2652	109 Virginis	3.8	8.7	41 11.468	3.0374	+0.0074	-0.0076	+2 18 51.57	15.293	0.293	-0.038	41 39	7.99 8.05
2653	B. D. -20°4093.	6.1	6.1	41 32.432	3.4031	+0.0187	-0.0015	-20 54 18.50	15.270	0.328	-0.006	4	5.09
2654	B. D. +38°2589.	9.0*	9.0	41 46.306	2.3912	-0.0014	.....	+38 9 21.85	15.257	0.233	.....	4	5.92
2655*	B. D. -12°4134.	6.4	9.3	14 42 27.448	+3.2639	+0.0138	+0.0013	-12 25 8.60	-15.218	+0.316	-0.083	4	5.11
2656	B. D. +36°2530.	7.6	7.6	14 43 17.593	+2.4379	-0.0010	.....	+35 59 10.18	-15.170	+0.239	.....	4	5.92
2657	B. D. -10°3967.	7.5	7.5	43 46.624	3.2333	+0.0128	.....	-10 24 38.22	15.142	0.315	.....	4	5.05
2658	B. D. -19°3966.	7.1	7.1	43 48.440	3.3823	+0.0178	.....	-19 29 14.90	15.141	0.330	.....	4	5.12
2659	μ Libræ (brighter)	5.8	8.7	43 50.035	3.2864	+0.0145	-0.004†	-13 43 56.37	15.139	0.321	-0.02†	15	6.68
2660	B. D. -8°3841.	7.5	7.5	14 44 25.066	+3.2082	+0.0120	.....	-8 47 12.72	-15.105	+0.314	.....	4	5.04
2661	8 Libræ	5.3	8.2	14 45 9.187	+3.3182	+0.0154	-0.0071	-15 34 53.32	-15.063	+0.326	-0.078	39	7.54 7.59
2662	295 B. Boötis.	6.0	8.9	45 10.944	2.3777	-0.0011	-0.0216	+38 13 24.66	15.061	0.235	+0.105	10 8	7.66 7.49
2663	α Libræ	2.9	7.8	45 20.645	3.3192	+0.0155	-0.0074	-15 37 34.55	15.052	0.326	-0.076	48 39	7.21 7.05
2664	B. D. +40°2817.	8.2	8.2	45 42.308	2.3335	-0.0011	.....	+39 52 47.88	15.031	0.232	.....	4	5.92
2665	B. D. -17°4196.	6.7	6.7	14 45 59.203	+3.3494	+0.0164	-0.0022	-17 22 27.68	-15.015	+0.330	-0.128	4	5.11
2666	B. D. -17°4200.	6.8	6.8	14 46 14.547	+3.3594	+0.0168	-0.0010	-17 56 34.62	-15.000	+0.332	-0.009	4	5.05
2667	B. D. -16°3953.	8.5*	8.5	46 26.640	3.3453	0.0163	.....	-17 5 48.28	14.988	0.330	.....	4	5.12
2668	ξ Boötis (brighter)	4.8	7.7	46 46.459	2.7573	0.0021	+0.009†	+19 30 58.19	14.969	0.274	-0.11†	10	6.81
2669	B. D. -14°4055.	7.8	7.8	47 0.148	3.3104	0.0151	.....	-14 58 36.40	14.955	0.328	.....	4	5.09
2670	B. D. -12°4156.	7.9*	7.9	14 47 27.614	+3.2656	+0.0138	.....	-12 13 58.45	-14.929	+0.324	.....	4	5.04
2671	B. D. -22°3858.	8.5*	8.5	14 47 31.834	+3.4521	+0.0200	.....	-23 3 28.78	-14.925	+0.342	.....	4	5.05
2672	B. D. -21°3985.	8.5*	8.5	47 35.317	3.4184	+0.0187	.....	-21 11 42.35	14.922	0.339	.....	4	5.12
2673	B. D. -8°3855.	7.3	7.3	48 29.721	3.2090	+0.0120	.....	-8 40 37.00	14.869	0.320	.....	4	5.11
2674	C. P. D. -24°5398.	5.4	8.3	48 31.497	3.4759	+0.0208	-0.0008	-24 13 58.62	14.867	0.346	-0.036	4	5.05
2675	B. D. +38°2599.	9.3*	9.3	14 48 43.601	+2.3742	-0.0008	.....	+37 52 49.62	-14.855	+0.239	.....	4	5.92
2676	61 B. Draconis	5.7	8.6	14 48 53.885	+1.5353	+0.0090	-0.0169	+59 42 2.50	-14.845	+0.157	+0.126	10	7.90
2677	ξ^1 Libræ	5.8	8.7	48 56.998	3.2550	+0.0133	-0.0042	-11 29 24.77	14.842	0.325	-0.022	14	7.04
2678	B. D. -19°3979.	7.4	7.4	49 25.473	3.3931	+0.0177	.....	-19 36 19.08	14.814	0.340	.....	4	5.09
2679	381 G. Centauri	5.3	8.2	49 36.321	3.6677	+0.0282	+0.0016	-33 26 58.44	14.803	0.367	-0.013	10	7.02
2680	B. D. +35°2624.	8.2*	8.2	14 50 19.361	+2.4236	-0.0005	.....	+35 39 12.20	-14.761	+0.245	.....	4	5.92
2681	B. D. -13°4015.	7.9*	7.9	14 50 23.564	+3.2894	+0.0143	.....	-13 29 41.35	-14.757	+0.331	.....	4	5.04
2682	B. D. -18°3933.	7.7	7.7	50 40.643	+3.3758	0.0170	.....	-18 31 22.70	14.740	+0.340	.....	4	5.05
2683	B. D. -16°3970.	7.1	7.1	50 45.140	+3.3389	0.0158	.....	-16 23 42.42	14.736	+0.336	.....	4	5.12
2684	β Ursæ Minoris	2.2	7.1	50 59.467	-0.2131	0.1002	-0.0074	+74 33 51.48	14.721	-0.015	+0.005	22 21	9.24 9.28
2685	β Ursæ Minoris s. p.	2.2	7.1	14 50 59.522	-0.2131	+0.1002	-0.0074	+74 33 51.51	-14.721	-0.015	+0.005	19 20	8.31 8.28
2686	ξ^2 Libræ	5.6	8.5	14 51 20.433	+3.2491	+0.0130	-0.0001	-11 0 21.51	-14.701	+0.328	-0.002	43 42	6.80
2687	321 B. Boötis	5.8	8.7	51 29.959	2.8312	0.0036	-0.0013	+14 51 1.79	14.691	0.287	-0.016	11 12	7.58 7.74
2688	43 B. Libræ	5.8	8.7	51 37.926	3.4210	0.0185	+0.0742	-20 58 2.04	14.684	0.346	-1.754	14	6.40
2689	B. D. -11°3841.	7.6	7.6	52 18.988	3.2669	0.0135	.....	-12 2 5.35	14.642	0.332	.....	4	5.13
2690	B. D. -16°3972.	6.8	6.8	14 52 29.597	+3.3510	+0.0161	.....	-16 57 44.25	-14.632	+0.340	.....	4	5.10
2691	B. D. -10°3994.	6.4	6.4	14 52 48.155	+3.2461	+0.0129	-0.0017	-10 45 10.90	-14.613	+0.330	-0.015	4	5.04
2692	B. D. -21°4004.	7.5	7.5	52 56.116	3.4422	+0.0191	.....	-21 59 57.22	14.605	0.350	.....	4	5.05
2693	C. P. D. -23°6029.	9.0*	9.0	52 57.606	3.4695	+0.0201	.....	-23 26 56.72	14.604	0.353	.....	4	5.12
2694	B. D. +36°2555.	7.3	7.3	53 5.974	2.4093	-0.0003	.....	+35 53 36.10	14.595	0.247	.....	4	5.92
2695	B. D. -14°4082.	8.6	8.6	14 53 20.069	+3.3187	+0.0150	.....	-15 2 6.92	-14.581	+0.338	.....	4	5.09
2696	B. D. -10°3999.	6.0	6.0	14 53 28.911	+3.2464	+0.0129	-0.0072	-10 44 30.90	-14.572	+0.332	-0.076	4	5.09
2697	B. D. -19°4000.	8.9*	8.9	54 20.026	3.4031	0.0176	.....	-19 44 55.52	14.521	0.348	.....	4	5.10
2698	B. D. -14°4085.	8.8	8.8	54 41.867	3.3081	0.0146	.....	-14 19 48.05	14.499	0.339	.....	4	5.10
2699	B. D. -18°3945.	7.9*	7.9	54 43.899	3.3764	0.0168	.....	-18 13 44.70	14.497	0.346	.....	4	5.04
2700	C. P. D. -24°5421.	8.6*	8.6	14 55 18.539	+3.4990	+0.0208	.....	-24 45 6.22	-14.462	+0.359	.....	4	5.05
2701	δ Libræ	4.8	7.7	14 55 37.661	+3.2046	+0.0116	-0.0046	-8 7 19.38	-14.443	+0.330	-0.011	11	6.07
2702	B. D. +35°2637.	7.8	7.8	55 42.385	2.4110	-0.0001	.....	+35 29 56.98	14.438	0.250	.....	4	5.92
2703	2 H. Ursæ Minoris	4.9	7.8	55 59.350	0.9544	+0.0278	-0.0124	+66 19 50.32	14.421	0.103	+0.032	10	6.16
2704	2 H. Ursæ Minoris s. p.	4.9	7.8	55 59.386	0.9544	+0.0278	-0.0124	+66 19 50.76	14.421	0.103	+0.032	10	5.22
2705	B. D. -21°4015.	8.1*	8.1	14 56 44.787	+3.4415	+0.0187	.....	-21 37 10.70	-14.375	+0.356	.....	4	5.11
2706*	B. D. -17°4243.	7.0	7.0	14 57 29.140	+3.3623	+0.0162	+0.0032	-17 14 18.32	-14.330	+0.349	-0.030	4	5.10
2707	B. D. -12°4192.	7.6	7.6	57 39.451	3.2791	+0.0136	.....	-12 27 50.95	14.319	0.341	.....	4	5.05
2708	B. D. -16°3992.	7.9*	7.9	57 58.297	3.3444	+0.0155	.....	-16 11 56.05	14.300	0.348	.....	4	5.13
2709	β Boötis	3.6	8.5	58 10.654	2.2636	0.0000	-0.0040	+40 47 5.83	14.287	0.238	-0.043	10	7.63
2710	B. D. +39°2826.	8.2*	8.2	14 58 11.354	+2.3044	0.0000	.....	+39 19 15.68	-14.287	+0.241	.....	4	5.92
2711	γ Scorpæ	3.4	8.3	14 58 12.871	+3.5074	+0.0209	-0.0056	-24 53 20.06	-14.285	+0.365	-0.055	14	6.07
2712	B. D. -14°4102.	8.0	8.0	58 35.680	3.3252	0.0149	.....	-15 4 11.30	14.262	0.347	.....	4	5.04
2713	B. D. -22°3897.	7.3	7.3	14 59 29.371	3.4653	0.0192	.....	-22 37 24.10	14.207	0.362	.....	4	5.05
2714	B. D. -19°4019.	8.4	8.4	15 0 5.998	3.4169	0.0175	.....	-20 1 35.02	14.169	0.358	.....	4	5.12
2715	ψ Boötis	4.7	7.6	15 0 9.488	+2.5834	+0.0011	-0.0133	+27 20 15.36	-14.165	+0.273	-0.020	50 47	7.49 7.67

2659. Comp., 6m.7, 1".5, 340°.
2668. Comp., 6m.8, 2".5, 170°.The proper motion given is for the mean of the two components.
The proper motion is variable due to orbital motion. The values given are for the center of gravity of the two components.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
2716	<i>i</i> Boötis (<i>mean</i>).....	4.9	7.8	15 0 29.21	+2.0189	+0.0014	-0.0406	+48 2 36.4	-14.144	+0.215	+0.028	1	5.19
2717	<i>i</i> Boötis (<i>fol.</i>).....	5.3	8.2	0 29.376	2.0189	0.0014	-0.0386	+48 2 37.78	14.144	0.215	+0.031	10 9	7.32 7.20
2718	B. D. -13°4065.....	8.9*	8.9	0 30.330	3.3062	0.0142	.....	-13 52 5.78	14.144	0.348	.....	4	5.10
2719	B. D. -18°3972.....	7.9	7.9	0 33.944	3.3983	0.0170	.....	-18 59 19.18	14.140	0.357	.....	4	5.05
2720*	B. D. -21°4030.....	6.1	6.1	15 0 40.822	+3.4484	+0.0186	+0.0065	-21 38 33.75	-14.133	+0.363	-0.051	4	5.12
2721	B. D. +39°2832.....	7.5	7.5	15 0 53.122	+2.3043	+0.0002	.....	+38 59 35.68	-14.120	+0.245	.....	4	5.92
2722	B. D. -15°4026.....	5.3	8.2	1 2.751	3.3422	0.0153	-0.0033	-15 52 8.42	14.110	0.352	-0.034	4	5.10
2723	B. D. -12°4198.....	7.3	7.3	1 5.031	3.2832	0.0136	.....	-12 31 9.00	14.108	0.346	.....	4	5.04
2724	B. D. -15°4028.....	6.6	6.6	1 13.999	3.3465	0.0154	-0.0045	-16 5 49.28	14.099	0.353	-0.024	4	5.05
2725*	C. P. D. -23°6073.....	7.4	7.4	15 1 26.213	+3.4919	+0.0200	+0.0036	-23 48 27.98	-14.086	+0.368	-0.064	4	5.12
2726	B. D. -11°3881.....	7.6	7.6	15 2 39.618	+3.2697	+0.0131	.....	-11 39 55.00	-14.010	+0.347	.....	4	5.10
2727	<i>c</i> Boötis.....	5.0	7.9	2 54.560	2.6209	0.0016	+0.0138	+25 15 30.14	13.994	0.280	-0.183	10	7.27
2728	B. D. -22°3904.....	8.0	8.0	3 4.748	3.4726	0.0192	.....	-22 40 57.25	13.983	0.369	.....	4	5.05
2729	B. D. +40°2854.....	8.7	8.7	3 7.198	2.2688	0.0004	.....	+39 59 37.52	13.981	0.243	.....	4	5.92
2730	C. P. D. -23°6090.....	6.8	6.8	15 4 1.162	+3.4925	+0.0197	-0.0020	-23 36 12.40	-13.924	+0.373	-0.037	4	5.12
2731*	C. P. D. -25°5557.....	5.9	5.9	15 4 23.557	+3.5410	+0.0213	-0.0036	-25 57 4.78	-13.901	+0.378	+0.013	4	5.10
2732	B. D. -17°4263.....	8.0	8.0	4 32.700	3.3794	0.0161	.....	-17 40 31.75	13.891	0.361	.....	4	5.04
2733	B. D. -12°4214.....	7.5	7.5	5 43.922	3.2901	0.0136	.....	-12 40 30.80	13.816	0.353	.....	4	5.05
2734	B. D. -20°4164.....	8.9*	8.9	5 47.880	3.4428	0.0180	.....	-20 55 52.68	13.812	0.370	.....	4	5.16
2735	B. D. +35°2654.....	8.7*	8.7	15 6 8.992	+2.3897	+0.0006	.....	+35 8 2.38	-13.790	+0.259	.....	4	5.92
2736	B. D. -14°4140.....	9.1*	9.1	15 6 14.477	+3.3297	+0.0146	.....	-14 51 11.18	-13.784	+0.358	.....	4	5.14
2737*	B. D. -15°4047.....	6.8	6.8	6 14.564	3.3466	0.0151	+0.0034	-15 46 50.90	13.784	0.360	+0.008	4	5.10
2738	<i>c</i> Libræ.....	4.7	7.6	6 31.125	3.4147	0.0171	-0.0026	-19 24 47.75	13.766	0.368	-0.049	48 43	7.27 7.15
2739*	B. D. -18°3997.....	6.8	6.8	6 31.197	3.4017	0.0167	-0.0046	-18 43 41.85	13.766	0.366	-0.029	4	5.12
2740	B. D. -19°4055.....	6.0	6.0	15 7 37.256	+3.4135	+0.0169	-0.0036	-19 16 15.48	-13.696	+0.369	-0.045	4	5.04
2741	C. P. D. -24°5475.....	6.4	6.4	15 7 37.799	+3.5260	+0.0204	-0.0289	-24 55 55.55	-13.695	+0.381	-0.079	4	5.05
2742	B. D. -22°3916.....	8.7*	8.7	7 56.148	3.4905	0.0192	.....	-23 9 55.98	13.676	0.378	.....	4	5.13
2743	B. D. +39°2845.....	8.6	8.6	8 11.853	2.2789	0.0006	.....	+39 2 46.62	13.659	0.249	.....	4	5.92
2744	<i>1</i> Lupi.....	5.0	7.9	8 29.651	3.6642	0.0250	+0.0003	-31 8 44.29	13.640	0.397	-0.018	10	7.06
2745	B. D. -13°4111.....	7.0	7.0	15 8 46.712	+3.3138	+0.0140	.....	-13 50 7.90	-13.622	+0.360	.....	4	5.14
2746	B. D. -17°4283.....	6.7	6.7	15 8 48.743	+3.3920	+0.0162	-0.0079	-18 3 16.02	-13.620	+0.369	-0.036	4	5.10
2747	B. D. -17°4285.....	6.3	6.3	8 55.033	+3.3797	0.0158	-0.0016	-17 23 41.78	13.613	+0.367	-0.017	4	5.12
2748	<i>57</i> B. Ursæ Minoris.....	7.2	7.2	9 20.03	-20.551	7.011	-0.008	+87 37 4.03	13.586	-2.197	+0.019	64 62	7.80 7.76
2749	<i>57</i> B. Ursæ Minoris s. p.....	7.2	7.2	9 20.10	-20.551	7.011	-0.008	+87 37 3.97	13.586	-2.197	+0.019	52 51	7.84 7.72
2750	<i>3</i> Serpentis.....	5.4	8.3	15 10 13.015	+2.9807	+0.0066	-0.0014	+5 18 38.47	-13.529	+0.326	-0.009	4	7.65
2751	B. D. +35°2664.....	8.1*	8.1	15 10 20.955	+2.3741	+0.0008	.....	+35 16 57.95	-13.521	+0.261	.....	4	5.92
2752	B. D. -21°4065.....	5.7	8.6	10 35.046	3.4720	0.0184	-0.0031	-22 1 45.90	13.506	0.380	0.000	4	5.14
2753	B. D. -12°4227.....	7.0	7.0	11 18.252	3.2950	0.0134	.....	-12 40 12.30	13.459	0.362	.....	4	5.04
2754	B. D. -15°4071.....	8.2	8.2	11 26.604	3.3418	0.0146	.....	-15 12 31.35	13.450	0.367	.....	4	5.05
2755	<i>δ</i> Boötis.....	3.5	8.4	15 11 28.248	+2.4117	+0.0010	+0.0071	+33 41 15.36	-13.448	+0.266	-0.127	12 11	8.46
2756	<i>β</i> Libræ.....	2.7	7.6	15 11 37.423	+3.2297	+0.0118	-0.0067	- 9 0 50.00	-13.438	+0.355	-0.030	48 46	7.53 7.51
2757	B. D. -16°4049.....	9.1*	9.1	12 1.360	3.3728	0.0154	.....	-16 49 42.12	13.413	0.371	.....	4	5.14
2758	B. D. -20°4196.....	8.1*	8.1	12 5.807	3.4409	0.0174	.....	-20 21 14.55	13.408	0.379	.....	4	5.14
2759	B. D. +39°2858.....	8.3*	8.3	12 41.453	2.2613	0.0010	.....	+39 9 29.92	13.369	0.251	.....	4	5.92
2760*	C. P. D. -23°6142(<i>mean</i>).....	7.2	7.2	15 13 17.202	+3.5147	+0.0194	-0.0058	-23 53 58.82	-13.330	+0.388	-0.112	4	5.14
2761	<i>1</i> H. Ursæ Minoris.....	5.2	8.1	15 13 29.521	+0.6334	+0.0378	+0.0382	+67 43 32.50	-13.317	+0.075	-0.404	11	7.38
2762	<i>1</i> H. Ursæ Minoris s. p.....	5.2	8.1	13 29.516	0.6334	0.0378	+0.0382	+67 43 32.41	13.317	0.075	-0.404	11	7.87
2763	B. D. -19°4076.....	7.0	7.0	14 7.782	3.4208	0.0166	.....	-19 11 12.05	13.275	0.379	.....	4	5.12
2764	B. D. -12°4238.....	8.1*	8.1	14 38.665	3.3008	0.0134	.....	-12 49 43.02	13.241	0.367	.....	4	5.12
2765	C. P. D. -25°5606.....	7.2	7.2	15 14 45.179	+3.5538	+0.0205	.....	-25 37 26.38	-13.234	+0.395	.....	4	5.04
2766	B. D. +40°2870.....	8.4	8.4	15 14 54.393	+2.2303	+0.0012	.....	+39 58 27.02	-13.225	+0.250	.....	4	5.92
2767	B. D. -17°4312.....	6.2	9.1	15 13.355	3.3951	0.0158	-0.0012	-17 47 43.18	13.203	0.378	-0.067	4	5.05
2768	B. D. -15°4083.....	6.1	9.0	15 25.826	3.3456	0.0144	+0.0018	-15 11 15.25	13.189	0.373	+0.012	4	5.15
2769	B. D. -22°3938.....	8.7*	8.7	16 33.110	3.4935	0.0185	.....	-22 37 3.90	13.115	0.391	.....	4	5.14
2770	<i>α</i> Libræ.....	6.7	6.7	15 17 27.046	+3.3399	+0.0142	-0.0001	-14 46 36.77	-13.056	+0.375	+0.001	14	5.24
2771	B. D. -16°4070.....	7.6	7.6	15 17 53.358	+3.3676	+0.0149	.....	-16 12 23.82	-13.027	+0.379	.....	4	5.12
2772	B. D. -11°3940.....	5.8	8.7	18 22.868	3.2889	0.0129	-0.0026	-12 0 45.25	12.994	0.371	-0.048	4	5.12
2773	B. D. -20°4224.....	8.6	8.6	18 24.246	3.4526	0.0171	.....	-20 29 13.35	12.992	0.389	.....	4	5.04
2774	B. D. -13°4152.....	7.7	7.7	18 31.733	3.3253	0.0138	.....	-13 57 13.75	12.984	0.375	.....	4	5.05
2775	C. P. D. -25°5616.....	7.5	7.5	15 18 43.072	+3.5543	+0.0201	.....	-25 18 42.75	-12.972	+0.401	.....	4	5.16
2776	B. D. - 9°4138.....	5.1	8.0	15 18 46.546	+3.2514	+0.0120	-0.0054	- 9 57 46.88	-12.968	+0.367	-0.159	4	5.14
2777	B. D. +35°2681.....	8.6*	8.6	18 50.031	2.3385	0.0013	.....	+35 45 2.10	12.964	0.265	.....	4	5.92
2778	B. D. -22°3949.....	8.7*	8.7	18 58.878	3.5085	0.0187	.....	-23 9 13.62	12.954	0.396	.....	4	5.10
2779	<i>γ</i> Coronæ Borealis.....	5.0	7.9	19 4.414	2.4678	0.0016	+0.0101	+30 38 54.78	12.948	0.281	-0.198	18	5.09
2780	B. D. -21°4103.....	7.7	7.7	15 19 8.931	+3.4783	+0.0178	.....	-21 41 20.72	-12.943	+0.393	.....	4	5.12

2716. Double, 5^m.3, 6^m.1, 4^h.0, 242°. The proper motion in each coordinate is the mean of the proper motions of the two components as given by Boss.
 2717. Comp., 6^m.1, 4^h.0, 242°. 2760. Double, 7^m.4, 9^m.1, 2^h.1, 175°. 2779. Double, 5^m.6, 6^m.1, 1^h.0, 25°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Obser- vations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
2781	B. D. -18°4061.....	7.6	7.6	15 20 10.533	+3.4084	+0.0158	.....	-18 9 48.78	-12.874	+0.386	.....	4	5.12
2782*	B. D. -20°4233.....	7.1	7.1	20 18.096	+3.4664	0.0174	-0.0081	-21 1 42.80	12.866	+0.393	-0.039	4	5.04
2783	μ Boötis.....	4.5	7.4	20 42.644	+2.2782	0.0014	-0.0126	+37 43 40.12	12.838	+0.261	+0.078	9	5.89
2784	B. D. +37°2637(<i>mean</i>).....	6.7	6.7	20 43.968	+2.2790	0.0015	-0.0122	+37 41 54.10	12.837	+0.261	+0.093	2	6.40
2785	γ^2 Ursæ Minoris.....	3.1	8.0	15 20 52.877	-0.1248	+0.0739	-0.0026	+72 11 23.46	-12.826	-0.008	+0.012	22 23	9.17 9.29
2786	γ^2 Ursæ Minoris s. P.	3.1	8.0	15 20 52.962	-0.1248	+0.0739	-0.0026	+72 11 23.94	-12.826	-0.008	+0.012	20	8.21
2787*	B. D. -19°4106.....	7.0	7.0	21 5.430	+3.4395	0.0165	+0.0064	-19 39 15.90	12.812	+0.392	-0.050	4	5.05
2788	ϵ^1 Serpentis.....	5.5	8.4	21 9.046	+2.7818	0.0040	-0.0014	+15 46 47.16	12.808	+0.318	-0.026	10	7.77
2789	B. D. -14°4208.....	7.4	7.4	22 7.013	+3.3412	0.0138	.....	-14 36 18.40	12.743	+0.381	.....	4	5.14
2790	32 Libræ.....	5.9	8.8	15 22 36.918	+3.3759	+0.0148	+0.0011	-16 22 3.96	-12.710	+0.386	-0.043	54 50	7.26 7.22
2791	ϵ Draconis.....	3.5	8.4	15 22 42.147	+1.3300	+0.0133	-0.0006	+59 18 58.97	-12.704	+0.155	+0.009	10	7.21
2792	B. D. +37°2643.....	8.5*	8.5	23 2.482	2.2739	0.0016	.....	+37 38 41.35	12.681	0.262	.....	4	5.92
2793	β Coronæ Borealis.....	3.7	8.6	23 42.210	2.4865	0.0019	-0.0133	+29 27 2.05	12.636	0.287	+0.076	53 47	6.81 6.64
2794	B. D. -16°4093.....	7.2	7.2	23 55.175	3.3917	0.0150	-0.0051	-17 5 44.22	12.621	0.389	+0.001	4	5.11
2795*	B. D. -20°4246.....	6.1	6.1	15 24 49.355	+3.4594	+0.0168	+0.0020	-20 23 3.15	-12.560	+0.399	-0.029	4	5.12
2796	B. D. -16°4099.....	5.9	8.8	15 25 1.801	3.3765	+0.0146	+0.0011	-16 15 58.38	-12.546	+0.390	-0.010	4	5.16
2797	B. D. +36°2610.....	9.1*	9.1	25 43.547	2.3014	0.0017	.....	+36 25 13.52	12.498	0.268	.....	4	5.92
2798*	B. D. -19°4128.....	6.1	6.1	25 58.082	3.4493	0.0164	-0.0066	-19 49 21.62	12.482	0.398	-0.031	4	5.14
2799	B. D. -17°4356.....	8.7*	8.7	26 16.045	3.4154	0.0155	.....	-18 8 43.20	12.461	0.395	.....	4	5.05
2800*	B. D. -21°4135.....	7.0	7.0	15 26 20.720	+3.4875	+0.0174	-0.0042	-21 37 32.25	-12.456	+0.404	-0.027	4	5.13
2801	B. D. -19°4135.....	5.5	8.4	15 26 51.938	+3.4403	+0.0161	-0.0014	-19 19 47.70	-12.420	+0.399	-0.043	4	5.14
2802	C. P. D. -25°5620.....	7.5	7.5	27 9.544	3.5724	0.0196	.....	-25 27 38.52	12.400	0.414	.....	4	5.11
2803*	C. P. D. -24°5526(<i>fol.</i>).....	7.0	7.0	27 14.322	3.5433	0.0188	-0.0006	-24 9 2.65	12.395	0.411	-0.042	4	5.12
2804	B. D. -16°4110.....	5.6	8.5	27 16.124	3.3838	0.0146	-0.0009	-16 30 48.76	12.392	0.393	-0.025	5	5.18
2805	ν^1 Boötis.....	5.2	8.1	15 27 20.164	+2.1533	+0.0021	+0.0009	+41 10 26.24	-12.388	+0.252	-0.015	10 9	7.14 7.32
2806	B. D. -22°3975.....	8.1*	8.1	15 27 22.625	3.5212	+0.0182	.....	-23 7 35.58	-12.385	+0.409	.....	4	5.14
2807	B. D. -12°4278.....	7.6	7.6	27 43.693	3.3090	0.0120	.....	-12 40 29.10	12.361	0.385	.....	4	5.05
2808	B. D. +36°2614.....	9.1*	9.1	28 8.227	2.3048	0.0018	.....	+36 4 21.05	12.332	0.270	.....	4	5.92
2809	γ^2 Boötis.....	5.0	7.9	28 12.136	2.1485	0.0021	-0.0020	+41 14 19.08	12.328	0.252	-0.015	9	5.54
2810	θ Coronæ Borealis.....	4.2	7.1	15 28 53.761	+2.4200	+0.0019	-0.0020	+31 41 47.69	-12.280	+0.284	-0.026	9	7.13
2811	B. D. +36°2617.....	8.6*	8.6	15 29 39.719	+2.2953	+0.0019	.....	+36 15 54.23	-12.227	+0.270	.....	4 3	5.92
2812	γ Libræ.....	4.0	6.9	29 55.870	3.3456	0.0136	+0.0045	-14 27 21.21	12.208	0.392	-0.001	66 62	6.78 6.67
2813	α Coronæ Borealis.....	2.3	7.2	30 27.261	2.5301	0.0024	+0.0090	+27 3 3.87	12.172	0.298	-0.102	40 37	8.32 8.43
2814	3 H. Scorpil.....	3.8	8.7	30 57.102	3.6332	0.0209	-0.0007	-27 48 13.45	12.138	0.427	-0.005	11	8.20
2815	B. D. -15°4144.....	8.1	8.1	15 31 17.535	+3.3613	+0.0138	.....	-15 10 56.65	-12.114	+0.396	.....	4	5.14
2816*	C. P. D. -25°5625.....	6.0	6.0	15 31 28.436	+3.5908	+0.0196	-0.0023	-25 56 55.30	-12.101	+0.423	+0.001	4	5.11
2817	B. D. +43°2510.....	6.8	6.8	31 44.145	2.0604	0.0027	.....	+43 29 55.45	12.083	0.245	.....	10	6.81
2818	B. D. -22°3989.....	5.8	8.7	31 55.160	3.5211	0.0176	-0.0022	-22 48 35.62	12.070	0.415	-0.086	4 5	5.15 5.00
2819	B. D. +36°2622.....	8.3*	8.3	32 2.583	2.2895	0.0020	.....	+36 15 16.20	12.061	0.272	.....	4	5.92
2820	C. P. D. -24°5537.....	8.1*	8.1	15 32 25.652	+3.5555	+0.0186	.....	-24 19 33.60	-12.035	+0.420	.....	4	5.13
2821	B. D. -20°4285.....	5.9	8.8	15 32 27.359	+3.4760	+0.0165	.....	-20 41 9.08	-12.032	+0.411	.....	4	5.11
2822*	B. D. -19°4165.....	6.8	6.8	32 40.537	3.4529	0.0159	-0.0158	-19 34 55.92	12.017	0.408	-0.127	4	5.05
2823*	B. D. -14°4250.....	6.9	6.9	32 54.419	3.3430	0.0133	-0.0069	-14 11 11.48	12.001	0.396	-0.075	4	5.16
2824*	B. D. -17°4388.....	7.2	7.2	33 0.187	3.4066	0.0148	-0.0030	-17 20 11.20	11.994	0.403	-0.030	4	5.14
2825	B. D. -18°4118.....	5.5	8.4	15 33 9.048	+3.4407	+0.0155	+0.0066	-18 58 20.00	-11.984	+0.407	-0.088	4	5.11
2826	B. D. -21°4159.....	8.3*	8.3	15 33 9.623	+3.5084	+0.0172	.....	-22 8 47.66	-11.983	+0.415	.....	4 5	5.18 5.03
2827*	B. D. -22°3996.....	6.2	6.2	33 28.249	+3.5237	0.0176	-0.0016	-22 49 22.58	11.961	+0.417	-0.034	4	5.13
2828	φ Boötis.....	5.4	8.3	34 14.065	+2.1483	0.0025	+0.0055	+40 40 44.86	11.908	+0.257	+0.047	10	6.83
2829	C. P. D. -23°6241.....	5.1	8.0	34 22.008	+3.5399	0.0179	-0.0016	-23 29 34.27	11.898	+0.420	-0.028	4	5.08
2830	θ Ursæ Minoris.....	5.3	8.2	15 34 22.301	-1.8537	+0.1892	-0.0137	+77 40 56.91	-11.898	-0.212	+0.006	10	7.39
2831	θ Ursæ Minoris s. P.	5.3	8.2	15 34 22.432	-1.8537	+0.1892	-0.0137	+77 40 56.29	-11.898	-0.212	+0.006	11	5.88
2832	B. D. +38°2683.....	7.8*	7.8	34 26.815	+2.2210	0.0022	.....	+38 21 16.80	11.893	+0.266	.....	4	5.92
2833	C. P. D. -25°5630.....	8.2	8.2	34 38.948	+3.5805	0.0190	.....	-25 16 1.95	11.879	+0.426	.....	4	5.05
2834	B. D. -16°4135.....	8.3*	8.3	35 0.943	+3.3902	0.0142	.....	-16 25 52.12	11.852	+0.404	.....	4	5.16
2835	ζ Coronæ Borealis(<i>fol.</i>).....	5.1	8.0	15 35 36.680	+2.2598	+0.0022	-0.0009	+36 57 36.96	-11.811	+0.271	-0.008	17	5.27
2836*	B. D. -13°4226.....	6.8	6.8	15 35 41.822	+3.3346	+0.0130	-0.0006	-13 38 51.52	-11.805	+0.398	-0.027	4	5.14
2837	κ Libræ.....	5.0	7.9	36 10.966	3.4524	0.0156	-0.0032	-19 21 17.05	11.770	0.412	-0.119	14	6.62
2838	B. D. -18°4136.....	8.1*	8.1	36 54.259	3.4307	0.0150	.....	-18 17 11.88	11.719	0.411	.....	4	5.14
2839	ϵ Serpentis.....	4.5	7.4	37 5.466	2.6776	0.0035	-0.0051	+19 59 32.24	11.706	0.322	-0.055	10	7.60
2840	B. D. +38°2688.....	8.1	8.1	15 37 20.509	+2.2055	+0.0023	.....	+38 36 5.88	-11.688	+0.266	.....	4	5.92
2841	B. D. -20°4309.....	8.9	8.9	15 37 30.530	+3.4850	+0.0162	.....	-20 47 53.97	-11.676	+0.418	.....	4	5.12
2842*	B. D. -12°4320.....	6.8	6.8	37 35.812	3.3179	0.0125	+0.0051	-12 44 6.32	11.670	0.398	-0.095	4	5.10
2843	B. D. -14°4266.....	6.4	6.4	37 48.365	3.3581	0.0133	-0.0011	-14 43 21.10	11.655	0.403	-0.110	4	5.06
2844	B. D. -16°4151.....	7.4	7.4	38 16.755	3.3960	0.0141	.....	-16 33 7.82	11.621	0.408	.....	4	5.16
2845	C. P. D. -23°6252.....	7.7	7.7	15 38 21.121	+3.5591	+0.0180	.....	-24 4 42.38	-11.616	+0.428	.....	4	5.14

2784. Double, 7^m.2, 7^m.8, 1^{''}.0, 80°.2803. Comp., 7^m.1, 9^{''}.0, 300°.2835. Comp., 6^m.0, 6^{''}.2, 305°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Num- ber of Observations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+.
2846	B. D. -15°4171.....	5.6	8.5	15 38 26.714	+3.3715	+0.0135	-0.0027	-15 21 14.22	-11.610	+0.406	-0.078	4	5.11
2847	γ Coronæ Borealis.....	3.9	8.8	38 32.454	2.5263	0.0027	-0.0075	+26 36 45.45	11.602	0.305	+0.030	10	6.83
2848	α Serpentis.....	2.8	7.7	39 20.559	2.9432	0.0062	+0.0090	+6 44 25.39	11.546	0.356	+0.038	41 37	7.10 7.02
2849	B. D. +35°2719.....	8.6*	8.6	39 24.793	2.3035	0.0023	.....	+35 7 45.05	11.540	0.279	.....	4	5.92
2850	C. P. D. -25°5646.....	7.9	7.9	15 39 46.829	+3.5867	+0.0185	.....	-25 10 53.38	-11.514	+0.433	.....	4	5.13
2851	B. D. -22°4020.....	6.9	6.9	15 39 49.811	+3.5242	+0.0169	.....	-22 26 19.68	-11.511	+0.426	.....	4	5.12
2852	C. P. D. -24°5555.....	7.5	7.5	39 52.536	3.5688	0.0180	-0.0056	-24 24 5.38	11.507	0.430	-0.068	4	5.16
2853	B. D. -15°4182.....	8.1*	8.1	40 44.932	3.3838	0.0136	.....	-15 50 53.98	11.445	0.410	.....	4	5.08
2854	C. P. D. -26°5507.....	8.5*	8.5	41 16.547	3.6269	0.0194	.....	-26 46 34.48	11.407	0.440	.....	4	5.16
2855	B. D. -20°4322.....	7.7	7.7	15 41 32.443	+3.4761	+0.0156	.....	-20 9 20.78	-11.388	+0.422	.....	4	5.14
2856	β Serpentis.....	3.7	8.6	15 41 34.314	+2.7624	+0.0043	+0.0049	+15 44 4.94	-11.385	+0.336	-0.057	72 61	7.43 7.59
2857	B. D. +36°2643.....	8.5*	8.5	42 7.234	2.2502	0.0024	.....	+36 43 45.92	11.346	0.275	.....	4	5.92
2858*	C. P. D. -23°6265.....	6.7	6.7	42 30.753	3.5526	0.0174	-0.0030	-23 31 29.28	11.318	0.433	-0.037	4	5.11
2859*	B. D. -13°4252.....	7.0	7.0	42 51.240	3.3312	0.0124	+0.0001	-13 11 27.75	11.293	0.406	+0.002	4	5.12
2860	B. D. +37°2676.....	8.9*	8.9	15 44 3.093	+2.2163	+0.0026	.....	+37 41 8.98	-11.206	+0.273	.....	4	5.92
2861	B. D. -21°4197.....	7.7	7.7	15 44 5.503	+3.5019	+0.0160	.....	-21 11 5.12	-11.203	+0.428	.....	4	5.12
2862*	B. D. -17°4431.....	6.7	6.7	44 8.953	3.4239	0.0142	+0.0042	-17 35 46.92	11.199	0.419	-0.001	4	5.14
2863	κ Serpentis.....	4.3	7.2	44 14.217	2.7024	0.0038	-0.0032	+18 27 1.20	11.193	0.332	-0.101	10 9	6.65 6.80
2864	μ Serpentis.....	3.6	8.5	44 23.981	3.1329	0.0088	-0.0059	-3 7 27.02	11.181	0.384	-0.028	46 42	8.07 8.05
2865	χ Lupi.....	4.1	7.0	15 44 36.138	+3.8021	+0.0237	-0.0007	-33 19 21.00	-11.166	+0.465	-0.028	11	6.60
2866	B. D. -22°4034.....	7.4	7.4	15 44 44.723	+3.5426	+0.0168	.....	-22 57 10.30	-11.156	+0.434	.....	4	5.08
2867	C. P. D. -25°5667.....	4.8	7.7	44 57.723	3.6010	0.0183	-0.0017	-25 26 49.30	11.140	0.442	-0.035	4	5.14
2868	12 H. Draconis.....	5.1	8.0	45 8.360	0.8991	0.0222	+0.0052	+62 54 30.79	11.127	0.114	-0.060	10 11	6.97 6.83
2869	ϵ Serpentis.....	3.8	8.7	45 49.890	2.9792	0.0066	+0.0083	+4 46 44.04	11.077	0.367	+0.057	44 38	7.54 7.92
2870	B. D. -18°4182.....	7.4	7.4	15 45 52.600	+3.4480	+0.0146	.....	-18 38 11.78	-11.074	+0.424	.....	4	5.14
2871	B. D. -14°4291.....	8.1*	8.1	15 46 0.809	+3.3618	+0.0128	.....	-14 33 42.05	-11.064	+0.413	.....	4	5.11
2872	B. D. -13°4269.....	6.2	6.2	46 3.181	3.3468	0.0125	-0.0025	-13 49 54.05	11.061	0.411	-0.026	4	5.13
2873	B. D. +39°2922.....	8.3*	8.3	46 48.063	2.1638	0.0028	.....	+39 7 25.10	11.006	0.268	.....	4	5.92
2874	λ Libræ.....	5.1	8.0	47 31.652	3.4768	0.0151	-0.0010	-19 52 4.95	10.953	0.429	-0.034	14	7.14
2875	C. P. D. -24°5582.....	4.7	7.6	15 47 36.381	+3.5951	+0.0178	-0.0009	-25 1 42.32	-10.947	+0.443	-0.032	4	5.14
2876	ζ Ursæ Minoris.....	4.3	7.2	15 47 37.273	-2.2418	+0.2004	+0.0080	+78 6 7.94	-10.946	-0.269	-0.003	27	7.32
2877	Ursæ Minoris s. p.....	4.3	7.2	47 37.319	-2.2418	0.2004	+0.0080	+78 6 8.16	10.946	-0.269	-0.003	17 18	7.88 8.00
2878	C. P. D. -24°5583.....	5.4	8.3	47 55.397	+3.5768	0.0174	-0.0026	-24 14 6.10	10.924	+0.442	-0.029	4	5.08
2879	C. P. D. -23°6277.....	5.4	8.3	47 58.645	+3.5639	0.0170	-0.0019	-23 40 48.08	10.920	+0.441	-0.039	4	5.17
2880	B. D. -16°4174.....	4.3	7.2	15 48 7.845	+3.4031	+0.0134	+0.0069	-16 26 8.28	-10.909	+0.420	+0.120	4	5.14
2881	C. P. D. -26°5537.....	6.0	6.0	15 48 24.659	+3.6452	+0.0189	.....	-27 2 29.38	-10.888	+0.451	.....	4	5.11
2882	C. P. D. -24°5590.....	5.9	8.8	48 39.154	3.5947	0.0177	-0.0010	-24 56 49.85	10.870	0.445	-0.031	4	5.13
2883	B. D. -22°4046.....	6.7	6.7	48 47.111	3.5370	0.0163	.....	-22 28 11.52	10.861	0.438	.....	4	5.12
2884	χ Herculis.....	4.6	7.5	49 13.257	2.0334	0.0034	+0.0401	+42 43 57.09	10.829	0.254	+0.619	11	6.81
2885	B. D. -18°4195.....	5.9	5.9	15 49 13.487	+3.4616	+0.0146	-0.0017	-19 5 14.95	-10.828	+0.429	-0.039	4	5.14
2886	C. P. D. -25°5691.....	5.6	8.5	15 49 27.332	+3.6206	+0.0182	-0.0038	-25 58 15.85	-10.811	+0.449	-0.021	4	5.08
2887	B. D. -17°4450.....	8.1*	8.1	50 5.739	3.4329	0.0139	.....	-17 44 13.55	10.764	0.427	.....	4	5.17
2888	B. D. -13°4290.....	6.4	6.4	50 37.919	3.3561	0.0124	+0.0018	-14 6 18.80	10.724	0.418	-0.105	4	5.14
2889	ρ Scorpii.....	4.0	8.9	50 42.491	3.6964	0.0199	-0.0010	-28 55 18.89	10.719	0.460	-0.030	11 9	5.60 5.75
2890*	B. D. -14°4314.....	6.2	6.2	15 50 55.689	+3.3654	+0.0125	+0.0047	-14 32 12.20	-10.702	+0.420	.....	4	5.11
2891*	B. D. -21°4233.....	7.0	7.0	15 51 20.802	+3.5110	+0.0154	+0.0005	-21 11 41.28	-10.672	+0.438	-0.042	4	5.13
2892*	B. D. -15°4221.....	6.8	6.8	51 25.310	3.3913	0.0130	-0.0006	-15 44 34.95	10.666	0.423	-0.036	4	5.12
2893*	B. D. -20°4364.....	5.9	8.8	51 49.659	3.5002	0.0152	+0.0012	-20 41 34.60	10.636	0.437	-0.020	4	5.14
2894	γ Serpentis.....	3.9	8.8	51 50.155	2.7478	0.0043	+0.0210	+15 59 6.85	10.636	0.344	-1.297	65 52	7.82 7.75
2895	C. P. D. -24°5613.....	5.4	8.3	15 52 34.955	+3.5907	+0.0171	-0.0032	-24 32 34.88	-10.580	+0.449	-0.028	4	5.15
2896	B. D. -13°4302.....	4.7	7.6	15 52 35.261	+3.3552	+0.0122	-0.0010	-13 59 26.40	-10.580	+0.420	-0.031	4	5.17
2897	B. D. -15°4226.....	8.0	8.0	52 36.408	3.3806	0.0127	.....	-15 11 21.05	10.578	0.423	.....	4	5.14
2898	π Scorpii.....	3.0	7.9	52 48.035	3.6221	0.0178	-0.0011	-25 49 33.96	10.564	0.453	-0.036	14	6.34
2899	B. D. -19°4275.....	8.8*	8.8	53 19.247	3.4785	0.0146	.....	-19 39 5.50	10.525	0.436	.....	4	5.13
2900	ϵ Coronæ Borealis.....	4.2	7.1	15 53 26.761	+2.4884	+0.0029	-0.0064	+27 10 2.29	-10.516	+0.313	-0.068	55 51	7.12 7.04
2901	C. P. D. -23°6292.....	8.1*	8.1	15 53 34.027	+3.5770	+0.0167	.....	-23 54 33.98	-10.507	+0.449	.....	4	5.12
2902	δ Scorpii.....	2.5	7.4	54 25.135	3.5411	0.0158	-0.0009	-22 20 13.10	10.443	0.445	-0.039	15 14	6.64 6.74
2903	49 Libræ.....	5.5	8.4	54 42.513	3.4049	0.0130	-0.0440	-16 14 21.76	10.421	0.428	-0.400	14	6.11
2904	B. D. -18°4213.....	9.1*	9.1	55 12.707	3.4588	0.0140	.....	-18 40 47.50	10.384	0.436	.....	4	5.14
2905*	B. D. -20°4380.....	7.2	7.2	15 55 14.355	+3.5083	+0.0150	+0.0021	-20 52 22.42	-10.382	+0.442	-0.027	4	5.14
2906	B. D. +37°2696.....	7.7	7.7	15 55 19.567	+2.2035	+0.0028	.....	+37 13 36.16	-10.375	+0.280	.....	8	5.38
2907	66 H. Draconis.....	5.0	7.9	55 24.831	1.4368	0.0097	-0.0186	+55 1 57.03	10.369	0.184	+0.108	10	7.22
2908	r Herculis.....	5.3	8.2	56 44.647	2.6973	0.0040	-0.0037	+18 5 41.86	10.269	0.342	+0.144	10 9	5.81 5.96
2909	B. D. -17°4472.....	8.3*	8.3	56 53.517	3.4430	0.0135	.....	-17 53 32.58	10.258	0.436	.....	4	5.11
2910	C. P. D. -25°5726.....	5.1	8.0	15 57 17.890	+3.6227	+0.0173	-0.0050	-25 35 11.05	-10.227	+0.458	-0.043	4	5.12

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
2911*	B. D. -19°4295.....	7.1	7.1	15 57 18.288	+3.4808	+0.0142	-0.0007	-19 33 45.02	-10.227	+0.441	-0.005	4	5.13
2912*	C. P. D. -24°5639.....	6.4	6.4	57 54 22.27	3.5958	0.0165	+0.0017	-24 26 59.15	10.182	0.456	-0.032	4	5.14
2913	B. D. +59°1695.....	9.4*	9.4	58 25 56.5	1.1064	0.0156	.....	+59 36 46.55	10.142	0.144	.....	2	7.81
2914	C. P. D. -26°5591.....	7.7*	7.7	58 55 11.6	3.6522	0.0177	.....	-26 40 23.45	10.105	0.464	.....	4	5.15
2915	B. D. +35°2764.....	8.3	8.3	15 59 27.229	+2.2641	+0.0029	.....	+34 57 48.29	-10.065	+0.290	.....	10	5.37
2916	B. D. +37°2705.....	8.9*	8.9	15 59 33.337	+2.1886	+0.0030	.....	+37 23 41.25	-10.057	+0.281	.....	2	7.86
2917	β^1 Scorpii.....	2.9	7.8	59 37 26.1	3.4825	0.0140	-0.0008	-19 31 53.93	10.052	0.444	-0.029	71 66	7.39 7.34
2918	B. D. -19°4308.....	5.1	8.0	59 37 63.6	3.4824	0.0140	-0.0016	-19 31 41.28	10.052	0.443	-0.025	4	5.18
2919	B. D. -21°4269.....	7.8	7.8	15 59 49.670	3.5296	0.0150	.....	-21 33 55.12	10.036	0.450	.....	4	5.17
2920	θ Draconis.....	4.1	7.0	16 0 0.585	+1.1587	+0.0144	-0.0401	+58 49 58.26	-10.022	+0.151	+0.338	14	5.62
2921	C. P. D. -23°6321.....	5.9	5.9	16 0 8.390	+3.5718	+0.0158	-0.0017	-23 20 1.45	-10.013	+0.455	-0.048	4	5.20
2922	B. D. -15°4243.....	8.7	8.7	0 27 22.2	3.3871	0.0122	.....	-15 11 50.22	9.989	0.432	.....	4	5.12
2923	B. D. -20°4405.....	4.1	7.0	0 57 34.2	3.5038	0.0144	-0.0005	-20 23 53.30	9.951	0.447	-0.033	4	5.19
2924	B. D. -16°4219.....	7.6	7.6	1 22 00.5	3.4201	0.0127	.....	-16 40 22.88	9.920	0.438	.....	4	5.15
2925*	B. D. -13°4342.....	6.3	6.3	16 1 28.666	+3.3577	+0.0116	-0.0196	-13 48 7.30	-9.911	+0.430	+0.043	4	5.14
2926	ω^2 Scorpii.....	4.6	7.5	16 1 32.379	+3.5090	+0.0144	+0.0030	-20 35 54.80	-9.907	+0.449	-0.056	14 13	6.35 6.49
2927*	C. P. D. -24°5651.....	6.2	6.2	1 51 61.4	3.5948	0.0161	0.0000	-24 11 36.12	9.882	0.460	-0.068	4	5.17
2928	C. P. D. -25°5748.....	5.6	8.5	2 1 7.77	3.6412	0.0170	+0.0090	-26 3 31.70	9.869	0.467	-0.002	4	5.20
2929*	B. D. -17°4494.....	7.0	7.0	2 21 27.8	3.4500	0.0132	+0.0013	-17 58 20.15	9.844	0.443	-0.130	4	5.12
2930*	C. P. D. -23°6332.....	5.8	5.8	16 2 45.226	+3.5771	+0.0156	+0.0032	-23 25 6.08	-9.814	+0.459	-0.012	4	5.08
2931	B. D. +58°1615.....	8.8*	8.8	16 3 25.336	+1.1927	+0.0134	.....	+58 9 36.40	-9.763	+0.157	.....	2	8.17
2932	κ Herculis.....	5.3	8.2	3 33 64.9	2.7084	0.0041	-0.0031	+17 18 47.95	9.752	0.349	-0.014	11	8.00
2933	B. D. +39°2953.....	7.9*	7.9	3 48 45.7	2.1230	0.0033	.....	+39 5 46.57	9.734	0.275	.....	10	5.37
2934*	C. P. D. -24°5660.....	6.6	6.6	4 9 05.4	3.6008	0.0159	-0.0021	-24 19 5.28	9.707	0.464	-0.018	4	5.15
2935*	B. D. -17°4502.....	6.4	6.4	16 4 9.575	+3.4540	+0.0131	-0.0056	-18 4 30.28	-9.707	+0.444	-0.007	4	5.14
2936	τ Coronæ Borealis.....	4.9	7.8	16 5 18.787	+2.1969	+0.0031	-0.0050	+36 44 44.28	-9.618	+0.285	+0.319	12	7.00
2937	C. P. D. -26°5611.....	6.8	6.8	5 26 06.8	3.6671	0.0172	.....	-26 53 23.75	9.609	0.473	.....	5 4	5.61 5.65
2938	φ Herculis.....	4.3	7.2	5 37 03.7	1.8908	0.0045	-0.0021	+45 11 49.51	9.595	0.246	+0.023	10	7.62
2939	B. D. -22°4113.....	8.4*	8.4	5 56 52.3	3.5536	0.0148	.....	-22 17 4.52	9.570	0.459	.....	4	5.17
2940	87 B. Draconis.....	5.4	8.3	16 6 2.832	+0.1542	+0.0404	-0.0064	+68 4 25.25	-9.562	+0.024	+0.058	14	5.54
2941	87 B. Draconis s. p.	5.4	8.3	16 6 2.872	+0.1542	+0.0404	-0.0064	+68 4 25.61	-9.562	+0.024	+0.058	10	7.46
2942	C. P. D. -28°5298.....	5.7	8.6	6 5 06.3	3.7011	0.0178	-0.0027	-28 9 26.10	9.559	0.478	-0.055	4	5.20
2943	ϵ^1 Scorpii.....	4.7	7.6	6 8 51.1	3.6883	0.0175	-0.0021	-27 40 0.35	9.555	0.476	-0.038	14 13	6.38 6.47
2944	ν Scorpii (mean).....	4.3	7.2	6 10 91.4	3.4815	0.0134	-0.0008	-19 12 2.71	9.552	0.450	-0.032	51 45	8.04 8.01
2945	B. D. -15°4266.....	8.8*	8.8	16 7 9.301	+3.4047	+0.0120	.....	-15 45 34.68	-9.477	+0.441	.....	4	5.15
2946	B. D. -14°4370.....	7.4	7.4	16 7 31.953	+3.3851	+0.0116	.....	-14 51 35.70	-9.447	+0.439	.....	4	5.14
2947*	C. P. D. -24°5671.....	6.3	6.3	7 44 50.8	3.6015	0.0156	-0.0004	-24 9 57.18	9.431	0.467	-0.034	4	5.20
2948	B. D. -21°4305.....	6.7	6.7	7 47 54.1	3.5285	0.0140	-0.0089	-21 8 39.75	9.427	0.458	-0.015	4	5.12
2949	B. D. +35°2788.....	8.6*	8.6	7 59 95.7	2.2343	0.0031	.....	+35 22 52.84	9.411	0.292	.....	10 9	5.37
2950	C. P. D. -23°6342.....	8.0*	8.0	16 8 2.433	+3.5859	+0.0152	.....	-23 31 7.88	-9.408	+0.466	.....	4	5.16
2951*	B. D. -20°4444.....	6.3	6.3	16 8 35.990	+3.5225	+0.0139	-0.0013	-20 51 10.42	-9.365	+0.458	-0.043	4	5.12
2952*	C. P. D. -25°5777.....	6.2	6.2	8 49 37.7	3.6293	0.0159	-0.0005	-25 13 23.50	9.347	0.472	+0.012	4	5.61
2953*	B. D. -18°4249.....	6.4	6.4	8 52 84.2	3.4629	0.0129	-0.0095	-18 16 43.78	9.343	0.450	-0.132	4	5.15
2954*	B. D. -22°4127.....	7.1	7.1	8 57 33.8	3.5532	0.0144	+0.0033	-22 7 35.88	9.337	0.462	+0.041	4	5.18
2955	δ Ophiuchi.....	3.0	7.9	16 9 6.228	+3.1434	+0.0080	-0.0033	-3 26 13.47	-9.326	+0.410	-0.153	50 45	7.37 7.25
2956	C. P. D. -26°5622.....	7.5	7.5	16 9 11.219	+3.6741	+0.0167	.....	-26 57 15.45	-9.321	+0.478	.....	4	5.17
2957	B. D. -14°4383.....	6.1	9.0	10 12 69.4	3.3812	0.0114	.....	-14 35 54.15	9.240	0.441	.....	4	5.12
2958*	C. P. D. -23°6351.....	6.6	6.6	10 25 80.4	3.6015	0.0152	-0.0032	-24 1 55.28	9.223	0.470	-0.043	4	5.15
2959	σ^2 Coronæ Borealis.....	5.8	8.7	10 55 87.3	2.2677	0.0031	-0.0231	+34 6 42.83	9.184	0.298	-0.091	15	5.46
2960*	B. D. -20°4454.....	6.4	6.4	16 11 5.132	+3.5298	+0.0138	-0.0011	-21 3 17.60	-9.172	+0.461	-0.029	4	5.12
2961	B. D. -19°4350.....	6.6	6.6	16 11 8.884	+3.5015	+0.0133	-0.0020	-19 51 19.65	-9.168	+0.458	-0.009	4	5.61
2962	C. P. D. -28°5311.....	4.9	7.8	12 5 61.0	3.7154	0.0172	-0.0026	-28 21 55.15	9.094	0.487	-0.109	4	5.15
2963	B. D. +36°2714.....	7.1	7.1	12 12 47.3	2.1810	0.0033	.....	+36 48 11.21	9.085	0.287	.....	11	5.37
2964	B. D. +36°2715.....	8.0*	8.0	12 16 10.3	2.2029	0.0032	.....	+36 7 8.75	9.080	0.290	.....	2	8.18
2965	B. D. -17°4534.....	7.2	7.2	16 12 42.299	+3.4402	+0.0121	.....	-17 8 28.95	-9.046	+0.452	.....	4	5.19
2966	ϵ Ophiuchi.....	3.3	8.2	16 13 1.783	+3.1652	+0.0082	+0.0053	-4 26 54.91	-9.021	+0.416	+0.032	60 55	6.37 6.32
2967	B. D. -19°4357.....	6.4	9.3	13 16 26.1	+3.5064	0.0132	+0.0007	-19 58 26.00	9.002	+0.461	-0.024	5	5.43
2968*	B. D. -14°4398.....	6.1	6.1	13 21 52.8	+3.3841	0.0112	+0.0032	-14 37 44.42	8.995	+0.444	-0.018	4	5.12
2969	19 Ursæ Minoris.....	5.5	8.4	13 40 08.2	-1.7678	0.1255	+0.0015	+76 7 46.31	8.970	-0.227	+0.007	10	8.19
2970	19 Ursæ Minoris s. p.	5.5	8.4	16 13 40.095	-1.7678	+0.1255	+0.0015	+76 7 46.40	-8.970	-0.227	+0.007	10	7.77
2971	B. D. -15°4300.....	8.8*	8.8	16 13 44.489	+3.3994	+0.0114	.....	-15 18 11.18	-8.965	+0.447	.....	4	5.66
2972	C. P. D. -23°6363.....	4.8	7.7	14 37 02.9	3.6038	0.0147	-0.0010	-23 55 41.38	8.896	0.474	-0.040	4	5.12
2973	B. D. -18°4266.....	8.2*	8.2	14 41 57.1	3.4720	0.0124	.....	-18 26 57.52	8.891	0.457	.....	4	5.10
2974*	B. D. -21°4341.....	7.1	7.1	14 47 86.0	3.5467	0.0137	+0.0022	-21 36 0.32	8.882	0.467	-0.027	4	5.15
2975	σ Scorpii.....	3.1	8.0	16 15 6.514	+3.6404	+0.0154	-0.0009	-25 21 9.66	-8.858	+0.480	-0.032	15	7.54

2944. Double, 4^m.3, 6^m.5, 1^h.0, 5^s.2959. Comp., 6^m.7, 4^m.6, 215^s. The proper motion is variable due to orbital motion. The values given are for the center of gravity of the two components.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				^h ^m ^s	^s	^s	^s	[°] ['] ^{''}	^{''}	^{''}	^{''}		1900+
2976	C. P. D. -26°5627	8.2*	8.2	16 15 9.324	+3.6831	+0.0162	.....	-26 59 30.42	-8.854	+0.486	.....	4	5.17
2977	B. D. +37°2741	6.8	6.8	16 42.213	2.1587	0.0034	.....	+37 12 53.44	8.733	0.287	.....	12	5.37
2978	τ Herculis	3.9	8.8	16 44.044	1.8023	0.0051	-0.0012	+46 33 5.28	8.730	0.240	+0.030	17	5.42
2979	B. D. -22°4159	7.4	7.4	16 53.045	3.5803	0.0140	.....	-22 52 56.05	8.718	0.474	.....	4	5.12
2980	σ Serpentis	4.8	7.7	16 17 0.361	+3.0458	+0.0067	-0.0111	+1 15 51.08	-8.709	+0.404	+0.043	10	6.39
2981*	B. D. -16°4280	6.7	6.7	16 17 9.241	+3.4355	+0.0116	+0.0020	-16 47 0.35	-8.697	+0.454	+0.004	4	5.16
2982	γ Herculis	3.8	8.7	17 30.437	2.6483	0.0038	-0.0034	+19 23 17.02	8.669	0.352	+0.039	57 50	8.20 8.16
2983	ξ Coronæ Borealis	4.7	7.6	18 11.947	2.3437	0.0032	-0.0074	+31 7 27.10	8.614	0.312	+0.092	10	6.39
2984	B. D. -19°4365	4.6	7.5	18 14.956	3.5069	0.0126	-0.0013	-19 48 11.60	8.611	0.465	-0.063	4	5.12
2985*	C. P. D. -26°5634	7.3	7.3	16 18 21.208	+3.6852	+0.0158	-0.0028	-26 55 5.18	-8.602	+0.489	-0.030	4	5.10
2986	23 Herculis	6.2	6.2	16 19 6.095	+2.3001	+0.0032	+0.0010	+32 33 58.85	-8.543	+0.307	-0.018	10	6.30
2987	C. P. D. -24°5695	8.0*	8.0	19 21.846	3.6169	0.0144	.....	-24 14 5.18	8.523	0.481	.....	4	5.15
2988	ρ Ophiuchi (south)	5.2	8.1	19 35.20	3.5914	0.0139	-0.0005	-23 13 0.5	8.505	0.478	-0.021	1	5.25
2989	ρ Ophiuchi (mean)	4.8	7.7	19 35.223	3.5914	0.0139	-0.0008	-23 12 58.52	8.505	0.478	-0.021	13 11	6.10 6.39
2990	B. D. -19°4368	8.7	8.7	16 19 35.792	+3.5034	+0.0124	.....	-19 36 23.52	-8.504	+0.466	.....	4	5.16
2991	η Ursæ Minoris	5.0	7.9	16 20 25.072	-1.7848	+0.1180	-0.0182	+75 59 10.96	-8.439	-0.232	+0.252	10	8.15
2992	η Ursæ Minoris s. p.	5.0	7.9	20 25.091	-1.7848	0.1180	-0.0182	+75 59 10.46	8.439	-0.232	+0.252	11	6.60
2993	B. D. +38°2769	8.1	8.1	20 46.258	+2.1002	0.0036	.....	+38 42 28.16	8.411	+0.281	.....	12	5.37
2994	ω Herculis	4.5	7.4	20 47.999	+2.7639	0.0044	+0.0030	+14 15 48.26	8.409	+0.369	-0.065	11	7.04
2995	C. P. D. -25°5794	7.6*	7.6	16 21 0.315	+3.6651	+0.0150	.....	-26 1 50.38	-8.392	+0.489	.....	4	5.12
2996	B. D. -18°4282	4.8	7.7	16 21 13.566	+3.4723	+0.0118	-0.0003	-18 13 45.45	-8.375	+0.463	-0.031	4	5.16
2997*	B. D. -21°4360	7.6	7.6	21 18.015	3.5604	0.0132	-0.0224	-21 53 34.25	8.369	0.475	-0.283	4	5.12
2998	98 B. Draconis	5.7	8.6	22 13.991	1.3065	0.0102	+0.0019	+55 25 57.36	8.295	0.177	+0.016	11 12	5.88 6.00
2999	B. D. -15°4324	7.1	7.1	22 33.436	3.4211	0.0109	.....	-15 59 17.00	8.269	0.458	.....	4	5.10
3000	γ Draconis	2.9	7.8	16 22 38.049	+0.8071	+0.0186	-0.0025	+61 44 26.46	-8.263	+0.110	+0.059	10	7.67
3001	α Scorpii	1.2	9.1	16 23 16.458	+3.6725	+0.0148	-0.0005	-26 12 35.82	-8.212	+0.492	-0.033	27	5.32
3002	B. D. -21°4366	8.0*	8.0	23 24.433	3.5490	0.0128	.....	-21 20 50.05	8.201	0.476	.....	4	5.18
3003	B. D. -18°4287	8.2*	8.2	23 54.074	3.4797	0.0116	.....	-18 27 15.00	8.162	0.467	.....	4	5.16
3004	C. P. D. -27°5408	6.8	6.8	24 3.582	3.7133	0.0154	.....	-27 41 46.45	8.149	0.498	.....	4	5.12
3005	B. D. -14°4433	5.8	8.7	16 24 7.668	+3.3843	+0.0103	+0.0016	-14 19 51.78	-8.144	+0.454	+0.008	4	5.16
3006	C. P. D. -24°5703	4.9	7.8	16 24 7.830	+3.6391	+0.0142	-0.0004	-24 53 41.95	-8.143	+0.488	-0.028	4	5.12
3007	N Scorpii	4.3	7.2	24 50.779	3.9124	0.0191	-0.0007	-34 29 10.74	8.086	0.525	-0.024	10	7.50
3008	B. D. +40°3020	8.9	8.9	25 8.175	2.0457	0.0037	.....	+39 59 47.83	8.063	0.277	.....	11	5.36
3009*	C. P. D. -26°5659	6.2	6.2	25 14.451	3.6777	0.0146	-0.0013	-26 19 11.38	8.054	0.494	-0.037	4	5.61
3010	g Herculis	5.0	7.9	16 25 21.410	+1.9662	+0.0041	+0.0020	+42 6 6.05	-8.045	+0.266	-0.018	11	6.72
3011	B. D. -16°4298	4.4	7.3	16 25 24.796	+3.4325	+0.0109	-0.0038	-16 23 40.75	-8.041	+0.462	-0.037	4	5.15
3012	B. D. -22°4173	8.0*	8.0	25 38.493	3.5818	0.0130	.....	-22 35 4.62	8.022	0.482	.....	4	5.18
3013	λ Ophiuchi	3.8	8.7	25 52.126	3.0252	0.0062	-0.0032	+2 12 9.88	8.004	0.408	-0.084	39 38	7.74 7.69
3014	B. D. -17°4591	8.2*	8.2	25 52.266	3.4586	0.0112	.....	-17 29 49.48	8.004	0.466	.....	4	5.16
3015	β Herculis	2.8	7.7	16 25 55.168	+2.5845	+0.0036	-0.0075	+21 42 26.84	-8.000	+0.349	-0.024	49 46	7.94 7.89
3016	B. D. -21°4381	4.6	7.5	16 26 12.412	+3.5492	+0.0124	+0.0015	-21 15 8.22	-7.977	+0.478	+0.026	4	5.06
3017	B. D. -20°4506	8.8*	8.8	26 32.197	+3.5320	0.0122	.....	-20 32 16.28	7.951	+0.476	.....	4	5.16
3018	B. D. +77°625	9.5*	9.5	26 34.858	-2.3963	0.1438	.....	+77 21 16.15	7.947	-0.317	.....	2	7.48
3019	34 Herculis	6.2	6.2	27 21.180	+1.6499	0.0062	-0.0056	+49 10 42.42	7.885	+0.224	-0.064	15	5.23
3020	C. P. D. -24°5706	9.0*	9.0	16 27 48.458	+3.6219	+0.0134	.....	-24 4 42.08	-7.848	+0.489	.....	4	5.18
3021	A Draconis	5.0	7.9	16 28 10.465	-0.1309	+0.0409	-0.0045	+68 59 4.56	-7.819	-0.014	+0.034	10	7.42
3022	A Draconis s. p.	5.0	7.9	28 10.506	-0.1309	0.0409	-0.0045	+68 59 4.81	7.819	-0.014	+0.034	11	7.74
3023	B. D. -15°4340	8.6*	8.6	28 20.813	+3.4095	0.0103	.....	-15 19 0.15	7.805	+0.461	.....	4	5.09
3024	B. D. -19°4381	8.9	8.9	28 55.366	+3.5144	0.0116	.....	-19 43 54.68	7.759	+0.476	.....	4	5.10
3025	B. D. +36°2747	8.5*	8.5	16 29 38.473	+2.1540	+0.0035	.....	+36 39 30.99	-7.700	+0.293	.....	12	5.37
3026	τ Scorpii	2.9	7.8	16 29 39.352	+3.7287	+0.0149	-0.0008	-28 0 30.43	-7.699	+0.506	-0.037	19	7.76
3027	B. D. -18°4295	8.4*	8.4	29 41.178	3.4844	0.0111	.....	-18 27 55.55	7.697	0.472	.....	4	5.16
3028	C. P. D. -25°5815	9.0	9.0	29 46.481	3.6524	0.0136	.....	-25 10 25.90	7.690	0.495	.....	4	5.06
3029	B. D. -14°4455	8.0*	8.0	30 43.208	3.3906	0.0096	.....	-14 26 7.40	7.613	0.460	.....	4	5.21
3030	σ Herculis	4.2	7.1	16 30 52.682	+1.9334	+0.0042	-0.0010	+42 38 36.40	-7.600	+0.264	+0.035	11	8.16
3031	ζ Ophiuchi	2.7	7.6	16 31 39.091	+3.2988	+0.0086	+0.0008	-10 21 52.09	-7.538	+0.449	+0.017	99 95	6.35 6.29
3032	B. D. -21°4391	8.2*	8.2	31 41.098	3.5690	0.0121	.....	-21 51 10.00	7.535	0.485	.....	4	5.18
3033	B. D. -16°4317	8.3	8.3	31 52.393	3.4428	0.0104	.....	-16 38 50.18	7.520	0.468	.....	4	5.11
3034*	B. D. -22°4182	7.6	7.6	32 19.698	3.5907	0.0124	-0.0026	-22 41 24.58	7.483	0.489	-0.060	4	5.14
3035	C. P. D. -26°5690	8.4*	8.4	16 32 25.691	+3.6984	+0.0140	.....	-26 47 17.02	-7.475	+0.504	.....	4	5.18
3036*	B. D. -17°4606	6.7	6.7	16 32 40.578	+3.4759	+0.0108	-0.0040	-18 1 9.78	-7.455	+0.474	-0.025	4	5.16
3037*	B. D. -18°4302	7.1	7.1	32 45.173	3.4905	0.0109	-0.0017	-18 37 29.38	7.448	0.475	-0.004	4	5.06
3038	B. D. +87°2778	7.8	7.8	33 55.083	2.1117	0.0035	.....	+37 41 28.04	7.354	0.290	.....	11 12	5.37
3039	C. P. D. -26°5701	8.0*	8.0	34 4.093	3.6822	0.0135	.....	-26 7 28.55	7.342	0.503	.....	4	5.16
3040*	B. D. -20°4537	6.5	6.5	16 34 40.723	+3.5307	+0.0113	+0.0008	-20 12 48.05	-7.292	+0.483	+0.037	4	5.18

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				^h ^m ^s	^s	^s	^s	° ' "	"	"	"		1900+
3041	70 B. Ursæ Minoris.....	6.4	6.4	16 34 55.971	-2.6140	+0.1424	-0.0291	+77 38 46.00	-7.271	-0.352	+0.271	12	6.42
3042	70 B. Ursæ Minoris s. p.....	6.4	6.4	34 56.079	-2.6140	0.1424	-0.0291	+77 38 46.11	7.271	-0.352	+0.271	10	6.82
3043	B. D. -15°4369.....	8.1	8.1	35 21.539	+3.4101	0.0097	.....	-15 9 40.78	7.237	+0.467	.....	4	5.10
3044	C. P. D. -24°5720.....	6.1	6.1	35 32.395	+3.6346	0.0126	-0.0045	-24 16 25.62	7.222	+0.498	+0.005	4	5.14
3045	24 Scorpii.....	5.0	7.9	16 35 47.257	+3.4668	+0.0103	-0.0017	-17 32 54.75	-7.201	+0.475	-0.007	22	6.32
3046	B. D. -16°4327.....	8.2*	8.2	16 35 48.761	+3.4475	+0.0101	.....	-16 44 22.52	-7.200	+0.472	.....	4	5.67
3047	B. D. -19°4406.....	5.6	8.5	36 0.910	3.5199	0.0110	+0.0018	-19 43 56.95	7.183	0.482	+0.029	4	5.06
3048	42 Herculis.....	5.1	8.0	36 1.885	1.6307	0.0060	-0.0036	+49 7 26.35	7.181	0.225	+0.027	10	5.13
3049	B. D. -21°4403.....	8.2*	8.2	37 5.291	3.5560	0.0113	.....	-21 9 7.62	7.095	0.488	.....	4	5.16
3050	5 Herculis.....	3.0	7.9	16 37 30.775	+2.2973	+0.0033	-0.036†	+31 47 4.36	-7.060	+0.316	+0.38†	12	5.51
3051*	B. D. -22°4196.....	7.5	7.5	16 37 40.009	+3.5918	+0.0118	-0.0062	-22 32 48.40	-7.048	+0.493	-0.020	4	5.18
3052*	C. P. D. -26°5712.....	6.9	6.9	37 40.896	3.6994	0.0133	+0.0002	-26 37 2.85	7.046	0.508	-0.121	4	5.10
3053*	C. P. D. -27°5463.....	6.4	6.4	38 4.915	3.7177	0.0135	+0.0012	-27 16 4.85	7.014	0.511	-0.014	4	5.14
3054	C. P. D. -28°5395.....	6.0	6.0	38 44.843	3.7478	0.0138	-0.0031	-28 19 23.78	6.959	0.515	+0.009	4	5.18
3055	B. D. -22°4205.....	6.9	6.9	16 39 7.709	+3.6046	+0.0117	-0.0020	-22 59 51.28	-6.928	+0.496	-0.024	4	5.67
3056	7 Herculis.....	3.6	8.5	16 39 27.999	+2.0522	+0.0037	+0.0029	+39 6 44.05	-6.900	+0.284	-0.095	10	5.73
3057	B. D. +36°2772.....	6.9	6.9	39 30.278	2.1371	0.0035	.....	+36 41 48.98	6.897	0.296	.....	12	5.37
3058	B. D. -18°4320.....	6.9	6.9	39 39.236	3.5034	0.0104	.....	-18 57 7.75	6.885	0.483	.....	4	5.06
3059	B. D. -16°4344.....	8.7*	8.7	40 19.770	3.4497	0.0097	.....	-16 43 0.88	6.829	0.476	.....	4	5.16
3060	C. P. D. -25°5855.....	6.6	6.6	16 40 43.892	+3.6679	+0.0124	-0.0001	-25 20 47.30	-6.796	+0.506	-0.019	4	5.18
3061	C. P. D. -28°5423.....	8.0*	8.0	16 42 58.156	+3.7701	+0.0135	.....	-28 56 43.45	-6.612	+0.522	.....	4	5.11
3062	B. D. -20°4563.....	9.0*	9.0	43 6.996	+3.5386	0.0104	.....	-20 16 44.92	6.600	+0.490	.....	4	5.14
3063	B. D. +77°633.....	9.1*	9.1	43 18.025	-2.7937	0.1378	.....	+77 51 19.50	6.584	-0.382	.....	2	7.47
3064	114 B. Draconis.....	4.9	7.8	43 23.897	+1.1312	0.0107	+0.0033	-23 16 26.35	6.576	+0.159	+0.056	24	4.92
3065*	B. D. -21°4422.....	7.6	7.6	16 43 37.078	+3.5743	+0.0109	+0.0010	-21 40 35.22	-6.558	+0.495	-0.031	4	5.18
3066	18 Ophiuchi.....	7.0	7.0	16 43 39.126	+3.6470	+0.0117	-0.0009	-24 27 53.44	-6.555	+0.505	-0.023	17 18	5.74 5.67
3067	8 Scorpii.....	2.4	7.3	43 40.832	3.9279	0.0158	-0.0496	-34 6 42.80	6.553	0.543	-0.258	11	5.95
3068*	B. D. -15°4395.....	6.1	6.1	43 44.918	3.4225	0.0090	+0.0031	-15 29 34.60	6.547	0.474	+0.027	4	5.06
3069	C. P. D. -23°6401.....	8.1*	8.1	43 57.262	3.6158	0.0113	.....	-23 16 26.35	6.530	0.501	.....	4	5.16
3070	B. D. -18°4332.....	8.7*	8.7	16 43 58.135	+3.4850	+0.0097	.....	-18 5 8.55	-6.529	+0.483	.....	4	5.18
3071	C. P. D. -26°5738.....	7.4	7.4	16 43 59.640	+3.7042	+0.0124	.....	-26 34 3.08	-6.527	+0.513	.....	4 5	5.10 5.16
3072	B. D. +39°3044.....	7.9	7.9	44 12.252	2.0258	0.0038	.....	+39 37 22.82	6.510	0.282	.....	12	5.37
3073	20 Ophiuchi.....	4.7	7.6	44 18.079	3.3091	0.0078	+0.0053	-10 36 22.75	6.502	0.459	-0.102	10	7.45
3074	C. P. D. -27°5499.....	8.4*	8.4	44 50.893	3.7397	0.0128	.....	-27 48 26.88	6.456	0.519	.....	4	5.14
3075	B. D. -16°4360.....	7.0	7.0	16 45 10.602	+3.4443	+0.0091	0.0000	-16 22 27.78	-6.429	+0.478	-0.026	4	5.18
3076	B. D. -18°4336.....	8.1	8.1	16 45 18.825	+3.5087	+0.0098	.....	-19 0 53.40	-6.418	+0.487	.....	4	5.67
3077	7 Herculis.....	5.5	8.4	45 28.006	2.9074	0.0048	+0.0035	+ 7 25 13.36	6.405	0.404	-0.008	9	6.67
3078	C. P. D. -25°5875.....	6.9	6.9	46 7.803	3.6751	0.0118	-0.0011	-25 25 51.02	6.350	0.511	-0.024	4	5.06
3079	B. D. -20°4572.....	5.9	5.9	47 30.850	3.5409	0.0099	-0.0037	-20 14 53.62	6.235	0.493	-0.038	4	5.16
3080	49 Herculis.....	6.4	6.4	16 47 31.635	+2.7286	+0.0039	+0.0006	+15 8 31.26	-6.234	+0.381	-0.007	27 26	6.06 6.14
3081	B. D. -17°4646.....	7.7*	7.7	16 48 8.426	+3.4808	+0.0092	.....	-17 48 38.58	-6.183	+0.485	.....	4	5.18
3082*	C. P. D. -25°5882.....	7.1	7.1	48 12.188	3.6832	0.0116	-0.0058	-25 39 49.52	6.178	0.514	-0.059	4 5	5.10 5.16
3083	B. D. +35°2878.....	7.7*	7.7	48 35.153	2.1597	0.0034	.....	+35 39 21.33	6.146	0.302	.....	11 12	5.37
3084	B. D. -21°4443.....	8.1	8.1	48 39.905	3.5790	0.0103	.....	-21 42 56.22	6.139	0.499	.....	4	5.14
3085	C. P. D. -23°6414.....	7.0	7.0	16 48 48.138	+3.6216	+0.0107	-0.0005	-23 20 53.15	-6.128	+0.505	-0.031	4	5.18
3086	C. P. D. -24°5768.....	8.4*	8.4	16 48 51.955	+3.6481	+0.0111	.....	-24 20 41.48	-6.123	+0.509	.....	4	5.67
3087	53 Herculis.....	5.4	8.3	49 10.425	2.2809	0.0032	-0.0075	+31 52 1.71	6.097	0.319	-0.023	13	5.64
3088	8 Ophiuchi.....	4.3	7.2	49 16.527	2.8402	0.0043	-0.0038	-10 19 47.92	6.089	0.397	-0.046	10	5.64
3089*	B. D. -21°4449.....	6.8	6.8	49 34.834	3.5718	0.0101	+0.0020	-21 24 27.42	6.063	0.498	+0.019	4	5.12
3090	B. D. +31°2927.....	8.9*	8.9	16 50 2.014	+2.2967	+0.0033	.....	+31 19 16.35	-6.025	+0.322	.....	2	7.51
3091	B. D. -16°4371.....	6.5	6.5	16 50 15.413	+3.4536	+0.0088	+0.0057	-16 38 48.02	-6.007	+0.483	+0.034	4	5.16
3092	C. P. D. -26°5766.....	9.1*	9.1	50 45.657	3.7167	0.0116	.....	-26 47 34.40	5.965	0.520	.....	4	5.18
3093	24 Ophiuchi.....	5.6	8.5	50 46.089	3.6137	0.0104	-0.0005	-22 59 28.64	5.964	0.506	-0.004	15	6.43
3094	B. D. -19°4471 (fol.).....	6.1	6.1	51 11.355	3.5215	0.0094	-0.0008	-19 22 52.70	5.929	0.493	-0.019	4	5.14
3095	C. P. D. -27°5531 (pr.).....	7.8	7.8	16 51 39.788	+3.7361	+0.0118	.....	-27 27 13.02	-5.889	+0.523	.....	4	5.18
3096	B. D. -19°4474.....	8.6*	8.6	16 52 0.183	+3.5283	+0.0093	.....	-19 38 5.98	-5.861	+0.494	.....	4	5.67
3097	8 Ophiuchi.....	3.4	8.3	52 55.935	2.8575	0.0043	-0.0199	+ 9 31 49.82	5.783	0.402	-0.014	78 71	6.34 6.23
3098	B. D. -15°4420.....	8.0*	8.0	53 14.503	3.4311	0.0082	.....	-15 39 25.02	5.757	0.482	.....	4	5.12
3099	C. P. D. -24°5782.....	5.9	5.9	53 50.230	3.6681	0.0107	-0.0003	-24 56 25.05	5.707	0.515	-0.022	4	5.16
3100*	B. D. -18°4372.....	6.5	6.5	16 53 54.905	+3.4910	+0.0088	-0.0047	-18 5 34.62	-5.701	+0.490	-0.156	4	5.18
3101	C. P. D. -24°5784.....	5.8	5.8	16 54 1.906	+3.6654	+0.0106	+0.0035	-24 50 11.50	-5.691	+0.515	-0.065	4	5.11
3102	C. P. D. -28°5491.....	7.9*	7.9	54 11.414	3.7678	0.0117	.....	-28 29 1.08	5.678	0.529	.....	4	5.14
3103	B. D. -21°4478.....	7.4	7.4	54 32.053	3.5726	0.0095	.....	-21 18 33.72	5.649	0.502	.....	4	5.18
3104	B. D. -20°4606.....	7.2	7.2	55 19.705	3.5469	0.0092	.....	-20 17 17.30	5.582	0.499	.....	4	5.67
3105	B. D. -17°4685.....	7.7	7.7	16 55 23.949	+3.4696	+0.0084	.....	-17 11 48.28	-5.576	+0.488	.....	4	5.12

3050. Comp., 6^m, 5, 1", 3, 190°.3094. Comp., 8^m, 4", 9, 230°.

The proper motion is variable due to orbital motion. The values given are for the center of gravity of the two components.

3095. Comp., 9^m, 1, 11", 31°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude. Observation	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Obser- vations.	Mean Date.
				<i>h m s</i>	<i>s</i>	<i>s</i>		<i>° ' "</i>	<i>"</i>	<i>"</i>	<i>"</i>		1900+
3106	117 G. Scorpii.....	5.1	8.0	16 55 24.589	+3.8744	+0.0129	-0.0009	-31 59 41.35	-5.575	+0.545	-0.062	10	7.08
3107	30 Ophiuchi.....	5.0	7.9	55 47.105	+3.1638	0.0059	-0.0036	-4 4 21.44	5.544	+0.446	-0.088	9	7.55
3108	B. D. -18°4381.....	6.4	6.4	56 0.155	+3.5081	0.0087	-0.0031	-18 44 18.10	5.525	+0.494	-0.027	4	5.15
3109	ε Ursæ Minoris.....	4.4	7.3	56 12.215	-6.3111	0.3152	+0.0072	+82 12 7.57	5.508	-0.882	-0.001	28 34	8.80 8.11
3110	ε Ursæ Minoris s. p.	4.4	7.3	16 56 12.207	-6.3111	+0.3152	+0.0072	+82 12 7.87	-5.508	-0.882	-0.001	38 39	8.85 8.75
3111	ε Herculis.....	3.9	8.8	16 56 27.738	+2.2977	+0.0032	-0.0036	+31 4 25.59	-5.487	+0.325	+0.021	10	7.61
3112	C. P. D. -26°5801.....	7.5	7.5	56 51.186	3.7263	0.0109	.....	-26 57 12.48	5.454	0.525	.....	4	5.18
3113	B. D. -22°4269.....	7.7	7.7	57 19.181	3.6188	0.0096	.....	-23 0 28.32	5.415	0.510	.....	4	5.11
3114	C. P. D. -25°5921.....	6.7	6.7	57 51.443	3.6880	0.0103	-0.0005	-25 33 19.30	5.369	0.520	-0.027	5 4	5.62 5.94
3115	d Herculis.....	5.3	8.2	16 57 54.822	+2.2131	+0.0033	0.0000	+33 42 46.62	-5.365	+0.313	-0.012	24	5.00
3116	B. D. -15°4438.....	8.0	8.0	16 57 55.930	+3.4349	+0.0078	.....	-15 43 24.48	-5.363	+0.485	.....	4	5.18
3117	C. P. D. -28°5517.....	6.7	6.7	58 9.633	3.7698	0.0112	+0.0065	-28 26 4.25	5.344	0.532	-0.278	4	5.67
3118	B. D. +39°3074.....	8.3	8.3	58 31.471	1.9964	0.0036	.....	+39 51 38.37	5.313	0.283	.....	13 10	5.65 5.37
3119	C. P. D. -25°5924.....	6.8	6.8	58 34.322	3.6871	0.0102	-0.0018	-25 30 9.08	5.309	0.521	-0.084	4	5.12
3120*	B. D. -17°4700.....	7.2	7.2	16 58 41.297	+3.4750	+0.0081	+0.0035	-17 20 55.08	-5.299	+0.491	-0.158	4	5.15
3121	B. D. -20°4627.....	6.2	6.2	16 58 49.801	+3.5506	+0.0088	-0.0005	-20 21 14.30	-5.287	+0.502	-0.037	4	5.18
3122	B. D. -21°4512.....	6.3	6.3	17 0 13.490	3.5790	0.0089	-0.0021	-21 25 33.02	5.169	0.507	-0.085	4	5.11
3123*	C. P. D. -26°5818.....	6.2	6.2	0 41.351	3.7130	0.0102	-0.0008	-26 22 38.48	5.130	0.525	-0.046	4	5.14
3124	60 Herculis.....	4.9	7.8	0 44.411	2.7769	0.0038	+0.0036	+12 52 41.55	5.126	0.394	-0.017	12 11	6.11 6.26
3125*	C. P. D. -24°5813.....	7.2	7.2	17 1 48.467	+3.6718	+0.0096	-0.0034	-24 51 54.92	-5.036	+0.520	+0.025	4	5.18
3126	B. D. -17°4717.....	6.1	6.1	17 2 26.412	+3.4799	+0.0078	0.0000	-17 28 35.20	-4.982	+0.493	-0.022	4	5.67
3127	C. P. D. -23°6495.....	8.7*	8.7	2 30.822	3.6244	0.0090	.....	-23 5 40.95	4.976	0.514	.....	4	5.12
3128	B. D. +35°2917.....	7.2	7.2	3 6.503	2.1498	0.0033	.....	+35 27 23.08	4.925	0.306	.....	12 8	5.77 5.38
3129	B. D. +30°2931.....	8.8*	8.8	4 2.038	2.3030	0.0030	.....	+30 40 43.10	4.847	0.328	.....	2	7.46
3130*	B. D. -19°4547.....	6.9	6.9	17 4 21.771	+3.5269	+0.0080	-0.0035	-19 18 33.08	-4.819	+0.501	-0.038	4	5.17
3131	98 H ¹ . Herculis.....	6.3	6.3	17 4 30.933	+1.9584	+0.0037	-0.0025	+40 38 47.90	-4.806	+0.279	-0.028	10 9	6.34 6.55
3132	η Ophiuchi.....	2.6	7.5	4 38.563	3.4347	0.0072	+0.0025	-15 36 2.85	4.795	0.488	+0.086	107 103	6.62 6.58
3133	B. D. -20°4661.....	7.4	7.4	5 26.283	3.5528	0.0081	.....	-20 17 59.28	4.728	0.505	.....	4	5.13
3134	C. P. D. -29°4601.....	9.2*	9.2	5 36.284	3.8028	0.0104	.....	-29 20 55.02	4.713	0.541	.....	4	5.69
3135	B. D. -16°4436.....	7.5	7.5	17 5 43.864	+3.4539	+0.0072	.....	-16 22 4.25	-4.703	+0.492	.....	4	5.14
3136	C. P. D. -26°5845.....	6.8	6.8	17 5 57.517	+3.7321	+0.0096	-0.0043	-26 55 2.35	-4.683	+0.531	-0.085	4	5.24
3137*	C. P. D. -25°5954.....	6.3	6.3	6 4.916	3.6820	0.0091	+0.0058	-25 7 52.38	4.672	0.524	-0.046	4	5.70
3138*	C. P. D. -27°5594.....	6.1	6.1	6 9.235	3.7530	0.0098	+0.0008	-27 38 18.28	4.667	0.534	-0.029	4	5.07
3139	B. D. -22°4299.....	7.8*	7.8	6 21.070	3.6189	0.0085	.....	-22 48 10.60	4.650	0.515	.....	4	5.20
3140	B. D. -21°4544.....	6.8	6.8	17 6 40.430	3.5842	+0.0082	.....	-21 29 4.50	-4.623	+0.510	.....	4	5.13
3141	B. D. +40°3111.....	7.4	7.4	17 7 13.702	+1.9816	+0.0037	.....	+39 58 27.36	-4.574	+0.283	.....	16 12	5.67 5.37
3142	C. P. D. -26°5854.....	6.9	6.9	8 0.509	3.7320	0.0093	-0.0008	-26 51 52.98	4.509	0.532	-0.074	4	5.68
3143	B. D. -18°4459.....	8.4*	8.4	8 4.555	3.4980	0.0073	.....	-18 5 59.50	4.503	0.499	.....	4	5.14
3144	ζ Draconis.....	3.2	8.1	8 29.693	0.1682	0.0191	-0.0021	+65 50 15.99	4.467	0.026	+0.020	21 22	9.38 9.42
3145	ζ Draconis s. p.	3.2	8.1	17 8 29.704	+0.1682	+0.0191	-0.0021	+65 50 17.13	-4.467	+0.026	+0.020	24 23	8.97 9.01
3146	B. D. -19°4569.....	8.8*	8.8	17 8 59.047	+3.5403	+0.0076	.....	-19 44 50.35	-4.426	+0.505	.....	4	5.24
3147	C. P. D. -26°5857.....	7.9*	7.9	9 0.697	3.7199	0.0090	.....	-26 24 56.32	4.423	0.531	.....	4	5.61
3148	A Ophiuchi (south).....	5.3	8.2	9 11.585	3.7211	0.0090	-0.0351	-26 27 27.55	4.408	0.531	-1.142	21	5.70
3149	A Ophiuchi (mean).....	4.6	7.5	9 11.620	3.7211	0.0090	-0.0359	-26 27 24.90	4.408	0.531	-1.132	3	5.57
3150	A Ophiuchi (north).....	5.3	8.2	17 9 11.674	+3.7211	+0.0090	-0.0366	-26 27 22.54	-4.408	+0.531	-1.122	20	5.58
3151	C. P. D. -26°5863.....	6.7	6.7	17 10 4.198	+3.7202	+0.0089	-0.0361	-26 24 12.62	-4.332	+0.531	-1.123	4	5.20
3152	α Herculis.....	3.5	8.4	10 5.211	2.7348	0.0034	-0.0008	+14 30 16.18	4.331	0.391	+0.027	57 47	7.11 7.05
3153*	C. P. D. -25°5980.....	7.1	7.1	10 18.443	3.6863	0.0086	-0.0054	-25 11 33.32	4.313	0.527	-0.017	4	5.13
3154	139 G. Scorpii.....	5.6	8.5	10 33.239	3.9056	0.0104	-0.0077	-32 32 59.21	4.292	0.558	-0.055	10 9	6.43 6.45
3155	B. D. -17°4759.....	7.4	7.4	17 10 54.700	+3.4917	+0.0070	.....	-17 48 7.68	-4.261	+0.499	.....	4	5.68
3156	δ Herculis.....	3.2	8.1	17 10 55.390	+2.4646	+0.0031	-0.0018	+24 57 24.25	-4.260	+0.353	-0.163	64 55	7.95 8.04
3157	C. P. D. -28°5600.....	8.5*	8.5	11 22.354	3.7914	0.0093	.....	-28 49 37.65	4.222	0.542	.....	4	5.15
3158*	C. P. D. -26°5866.....	6.9	6.9	11 26.579	3.7243	0.0087	-0.0006	-26 31 7.18	4.215	0.532	-0.009	4	5.24
3159	π Herculis.....	3.4	8.3	11 33.770	2.0904	0.0033	-0.0021	+36 55 18.40	4.205	0.300	-0.002	11 10	8.21 8.18
3160	C. P. D. -27°5608.....	8.5*	8.5	17 11 37.332	+3.7573	+0.0090	.....	-27 39 38.88	-4.200	+0.537	.....	4	5.74
3161	C. P. D. -24°5859(south).....	5.4	8.3	17 11 54.670	+3.6592	+0.0081	-0.0048	-24 10 40.02	-4.176	+0.523	-0.015	4	5.07
3162	C. P. D. -23°6564.....	6.7	6.7	12 0.638	3.6533	0.0081	+0.0068	-23 57 44.68	4.167	0.523	-0.077	4	5.20
3163*	B. D. -16°4470.....	6.5	6.5	12 33.627	3.4524	0.0065	-0.0024	-16 12 16.32	4.120	0.495	+0.004	4	5.13
3164	B. D. -22°4318.....	9.2*	9.2	12 52.662	3.6170	0.0077	.....	-22 36 2.80	4.093	0.518	.....	4	5.68
3165	B. D. -18°4489.....	7.9	7.9	17 13 37.624	+3.5193	+0.0069	.....	-18 50 57.12	-4.029	+0.504	.....	4	5.15
3166	u Herculis.....	var.	7.9	17 13 37.828	+2.2154	+0.0031	-0.0016	+33 12 28.07	-4.028	+0.318	-0.013	11	6.41
3167	B. D. -17°4773.....	6.4	9.3	14 4.011	3.4891	0.0066	-0.0003	-17 39 6.08	3.991	0.500	-0.021	4	5.24
3168*	C. P. D. -29°4649.....	6.8	6.8	14 6.562	3.8062	0.0090	+0.0003	-29 15 38.70	3.987	0.546	-0.060	4	5.68
3169	e Herculis.....	4.8	7.7	14 13.265	2.0710	0.0033	-0.0034	+37 23 46.84	3.978	0.298	+0.053	11	5.89
3170*	B. D. -19°4605.....	6.6	6.6	17 14 41.886	+3.5294	+0.0068	-0.0126	-19 13 38.70	-3.937	+0.507	-0.132	4	5.07

3161. Comp., 6m.9, 10".6, 356°.

3166. Var., 4m.6-5m.4.

3167. Comp., 7m.5, 2", 260°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
3171	ξ Ophiuchi.....	4.5	7.4	17 15 0.658	+3.5756	+0.0071	+0.0171	-21 0 20.62	-3.910	+0.513	-0.207	14 13	5.23 5.29
3172	C. P. D. -24°5873.....	6.6	6.6	15 33.464	3.6784	0.0077	-0.0031	-24 48 18.22	3.863	0.528	-0.039	4	5.13
3173	θ Ophiuchi.....	3.4	8.3	15 52.049	3.6812	0.0078	-0.0001	-24 53 58.41	3.836	0.528	-0.031	24 23	6.13 6.21
3174	C. P. D. -26°5883.....	7.5*	7.5	16 10.484	3.7156	0.0080	.....	-26 6 55.32	3.810	0.534	.....	4	5.15
3175	B. D. +39°3104.....	8.2*	8.2	17 16 23.074	+1.9947	+0.0034	.....	+39 23 30.92	-3.792	+0.287	.....	15 12	5.69 5.37
3176	B. D. -17°4789.....	8.2*	8.2	17 16 34.236	+3.4797	+0.0063	.....	-17 14 31.22	-3.776	+0.500	.....	4	5.24
3177	w Herculis.....	5.4	8.3	16 55.072	2.2328	0.0030	+0.0099	+32 35 40.76	3.746	0.322	-1.053	11	5.96
3178	B. D. -20°4750.....	8.0	8.0	17 0.976	3.5533	0.0067	.....	-20 7 5.55	3.738	0.510	.....	4	5.68
3179	C. P. D. -28°5626.....	5.4	8.3	17 3.870	3.7719	0.0082	+0.0004	-28 2 44.60	3.734	0.542	-0.042	4	5.07
3180*	B. D. -22°4336.....	7.4	7.4	17 17 9.985	+3.6274	+0.0072	-0.0011	-22 54 45.90	-3.725	+0.521	-0.009	5	5.47
3181	B. D. +48°2504.....	9.3*	9.3	17 17 17.518	+1.5902	+0.0046	.....	+48 27 21.40	-3.714	+0.230	.....	2	7.46
3182	B. D. -15°4534.....	6.6	6.6	17 50.976	3.4477	0.0060	.....	-15 56 34.50	3.666	0.496	.....	4	5.12
3183	B. D. -21°4597.....	6.0	6.0	18 43.129	3.5862	0.0067	-0.0019	-21 20 53.15	3.591	0.516	-0.036	4	5.68
3184*	B. D. -18°4516.....	6.3	6.3	18 45.720	3.5085	0.0062	+0.0016	-18 21 9.78	3.588	0.505	+0.009	4	5.15
3185	C. P. D. -24°5888.....	6.3	6.3	17 18 59.428	+3.6620	+0.0072	+0.0003	-24 9 7.82	-3.568	+0.527	-0.001	4	5.24
3186*	C. P. D. -27°5650.....	7.4	7.4	17 19 49.685	+3.7577	+0.0077	-0.0023	-27 30 31.15	-3.496	+0.541	+0.022	4	5.68
3187	ρ Herculis (mean).....	4.1	7.0	20 13.75	2.0718	0.0032	-0.0034	+37 14 17.4	3.461	0.299	-0.001	1	4.57
3188	ρ Herculis (fol.).....	4.5	7.4	20 13.905	2.0718	0.0032	-0.0032	+37 14 16.10	3.461	0.299	-0.004	11	5.98
3189	ρ Ophiuchi.....	4.3	7.2	20 15.740	3.6607	0.0070	-0.0005	-28 5 0.14	3.459	0.527	-0.132	17	7.13
3190	B. D. +37°2881.....	7.9*	7.9	17 20 43.061	+2.0795	+0.0031	.....	+37 0 47.78	-3.419	+0.300	.....	12 8	5.77 5.37
3191*	C. P. D. -25°6028.....	6.3	6.3	17 20 43.908	+3.7105	+0.0073	-0.0010	-25 51 18.20	-3.418	+0.534	-0.003	4	5.21
3192	d Ophiuchi.....	4.4	7.3	20 58.072	3.8260	0.0080	+0.0014	-29 46 35.72	3.398	0.551	-0.156	14	6.64
3193	σ Ophiuchi.....	4.4	7.3	21 33.126	2.9749	0.0037	+0.0002	+ 4 13 38.64	3.347	0.429	+0.003	173	8.67 8.72
3194	C. P. D. -28°5659.....	7.6	7.6	22 6.845	3.8023	0.0077	.....	-28 58 27.42	3.299	0.548	.....	4	5.68
3195	B. D. -20°4775.....	8.0*	8.0	17 22 18.256	+3.5753	+0.0064	.....	-20 52 49.00	-3.282	+0.516	.....	4	5.15
3196	B. D. -22°4349.....	8.8*	8.8	17 22 39.327	+3.6185	+0.0064	.....	-22 29 52.40	-3.252	+0.522	.....	4	5.24
3197	B. D. -16°4526.....	8.7*	8.7	23 31.715	3.4635	0.0055	.....	-16 30 33.32	3.177	0.500	.....	4	5.70
3198	B. D. -19°4644.....	8.8	8.8	23 49.594	3.5369	0.0058	.....	-19 23 33.08	3.151	0.511	.....	4	5.07
3199	x Herculis.....	5.8	8.7	24 5.088	1.5884	0.0043	0.0000	+48 20 38.34	3.128	0.230	-0.015	9	6.13
3200	51 Ophiuchi.....	4.9	7.8	17 25 18.791	+3.6574	+0.0064	+0.0001	-23 53 6.49	-3.022	+0.528	-0.038	14 15	5.76 5.68
3201	C. P. D. -26°5906.....	6.0	6.0	17 25 31.733	+3.7223	+0.0067	-0.0003	-26 11 34.85	-3.004	+0.538	-0.031	4	5.13
3202	C. P. D. -28°5694.....	9.0*	9.0	25 38.488	3.7762	0.0070	.....	-28 2 32.42	2.994	0.546	.....	4	5.68
3203	B. D. +35°2986.....	7.3	7.3	25 53.503	2.1463	0.0030	.....	+35 1 0.52	2.972	0.310	.....	14 10	5.71 5.37
3204*	C. P. D. -29°4767.....	7.0	7.0	26 40.700	3.8229	0.0071	+0.0002	-29 34 39.42	2.904	0.553	-0.011	4	5.15
3205	λ Herculis.....	4.5	7.4	17 26 41.779	+2.4220	+0.0027	+0.0011	+26 11 10.03	-2.903	+0.351	+0.014	14	5.99 6.19
3206*	B. D. -17°4841.....	6.9	6.9	17 27 9.933	+3.4875	+0.0053	+0.0001	-17 25 25.22	-2.862	+0.504	-0.023	4	5.24
3207	B. D. -20°4790.....	8.3*	8.3	27 28.213	3.5724	0.0056	.....	-20 42 21.02	2.836	0.517	.....	4	5.70
3208	β Draconis.....	3.0	7.9	28 10.320	1.3552	0.0050	-0.0015	+52 22 31.46	2.775	0.197	+0.007	10	7.28
3209	B. D. -21°4659.....	6.6	6.6	29 17.474	3.6068	0.0055	-0.0006	-21 58 34.52	2.678	0.522	-0.013	4	5.07
3210	C. P. D. -24°5914.....	7.9*	7.9	17 29 26.362	+3.6777	+0.0059	.....	-24 33 34.33	-2.665	+0.532	.....	3	4.77
3211	ν ¹ Draconis.....	5.0	7.9	17 30 12.433	+1.1619	+0.0057	+0.0176	+55 15 9.72	-2.599	+0.169	+0.049	8	6.76
3212	α Ophiuchi.....	2.1	7.0	30 17.585	2.7753	0.0030	+0.0080	+12 37 56.51	2.591	0.402	-0.235	98 85	8.27 8.35
3213	ν ² Draconis.....	5.0	7.9	30 17.759	1.1626	0.0057	+0.0184	+55 14 28.29	2.591	0.169	+0.051	10	6.67
3214	B. D. -18°4586.....	7.3	7.3	31 9.291	3.5270	0.0050	.....	-18 55 39.10	2.516	0.511	.....	4	5.13
3215	B. D. +48°2534.....	9.3*	9.3	17 31 25.769	+1.5885	+0.0040	.....	+48 12 25.50	-2.492	+0.231	.....	2	7.43
3216	B. D. -20°4823.....	8.4*	8.4	17 31 33.371	+3.5715	+0.0051	.....	-20 37 38.00	-2.482	+0.518	.....	4	5.68
3217	ξ Serpentis.....	3.6	8.5	31 51.591	+3.4361	0.0045	-0.0030	-15 20 8.25	2.455	+0.498	-0.071	73 70	7.09 7.08
3218	B. D. -15°4622.....	5.9	5.9	31 51.862	+3.4404	0.0046	-0.0012	-15 30 34.48	2.455	+0.499	-0.015	4	5.24
3219	f Draconis.....	5.2	8.1	32 21.736	-0.2446	0.0153	-0.0024	+68 11 56.56	2.412	-0.034	+0.137	10	7.78
3220	f Draconis s. P.....	5.2	8.1	17 32 21.713	-0.2446	+0.0153	-0.0024	+68 11 56.75	-2.412	-0.034	+0.137	12	8.40
3221	C. P. D. -28°5741.....	7.4	7.4	17 32 41.947	+3.7884	+0.0059	.....	-28 21 6.15	-2.382	+0.549	.....	4	5.70
3222	B. D. -21°4682.....	6.7	6.7	32 44.285	3.6046	0.0051	-0.0019	-21 51 12.08	2.379	0.522	-0.020	4	5.14
3223	C. P. D. -26°5922.....	7.4*	7.4	32 51.173	3.7449	0.0057	.....	-26 52 37.70	2.369	0.543	.....	4	5.20
3224*	C. P. D. -29°4825.....	6.8	6.8	32 57.804	3.8224	0.0061	.....	-29 28 22.20	2.359	0.554	-0.045	4	5.13
3225	B. D. -17°4871.....	8.6*	8.6	17 33 16.221	+3.4880	+0.0046	.....	-17 23 18.15	-2.333	+0.506	.....	4	5.68
3226	C. P. D. -25°6038.....	8.3*	8.3	17 34 23.720	+3.7078	+0.0053	.....	-25 34 8.82	-2.235	+0.538	.....	4	5.24
3227	C. P. D. -23°6631.....	7.7*	7.7	34 43.759	3.6577	0.0050	.....	-23 46 55.38	2.206	0.531	.....	4	5.24
3228	B. D. -19°4683.....	8.2*	8.2	35 23.594	3.5404	0.0045	.....	-19 24 12.72	2.148	0.514	.....	4	5.70
3229	o Serpentis.....	4.4	7.3	35 47.581	3.3748	0.0039	-0.0048	-12 49 18.19	2.113	0.490	-0.056	11 12	6.02 5.90
3230	C. P. D. -26°5932.....	7.9*	7.9	17 35 50.584	+3.7435	+0.0052	.....	-26 47 37.08	-2.109	+0.544	.....	4	5.14
3231	B. D. +35°3029.....	8.9*	8.9	17 36 21.818	+2.1109	+0.0028	.....	+35 52 34.85	-2.064	+0.307	.....	12 8	5.76 5.37
3232	ε Herculis.....	3.8	8.7	36 38.470	1.6927	0.0034	-0.0008	+46 3 34.21	2.040	0.247	-0.002	21 20	5.15 5.20
3233*	C. P. D. -27°5723.....	6.4	6.4	36 59.909	3.7745	0.0052	+0.0002	-27 50 8.25	2.009	0.548	-0.017	4	5.21
3234	C. P. D. -30°4874.....	7.6	7.6	37 5.298	3.8441	0.0055	.....	-30 7 43.22	2.001	0.558	.....	4	5.16
3235	B. D. -21°4712.....	4.9	7.8	17 37 26.170	+3.5998	+0.0044	-0.0064	-21 38 3.68	-1.970	+0.523	-0.054	4	5.68

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
3236	ω Draconis.....	4.9	7.8	17 37 32.087	-0.3575	+0.0139	+0.0018	+68 48 17.66	-1.962	-0.051	+0.327	10	7.21
3237	ω Draconis s. p.....	4.9	7.8	37 32.086	-0.3575	0.0139	+0.0018	+68 48 17.02	1.962	-0.051	+0.327	11	5.58
3238	324 B. Herculis.....	6.7	6.7	37 35.938	+1.8093	0.0032	.....	+43 31 11.76	1.956	+0.264	.....	10 8	6.76 7.20
3239	B. D. -17°4903.....	7.5	7.5	38 18.902	+3.4969	0.0040	.....	-17 41 51.50	1.894	+0.508	.....	4	5.24
3240	β Ophiuchi.....	2.9	7.8	17 38 31.891	+2.9651	+0.0029	-0.0028	+ 4 36 34.40	-1.875	+0.431	+0.152	169 170	9.26 9.30
3241	B. D. -16°4603.....	7.3	7.3	17 38 31.996	+3.4745	+0.0040	.....	-16 49 5.92	-1.875	+0.505	.....	4	5.24
3242	B. D. -22°4407.....	9.2*	9.2	39 1.136	3.6330	0.0044	.....	-22 50 42.20	1.833	0.528	.....	4	5.18
3243	B. D. -20°4865.....	8.9	8.9	39 43.943	3.5611	0.0041	.....	-20 9 42.30	1.771	0.518	.....	4	5.14
3244	C. P. D. -25°6071.....	8.3*	8.3	40 31.405	3.7136	0.0044	.....	-25 42 52.95	1.702	0.540	.....	4	5.73
3245	X Sagittarii.....	var.	7.6	17 41 15.922	+3.7744	+0.0045	-0.0004	-27 47 33.21	-1.637	+0.549	-0.022	13 14	6.39 6.26
3246*	B. D. -20°4874.....	7.1	7.1	17 41 33.310	+3.5784	+0.0039	0.0000	-20 47 57.80	-1.612	+0.521	-0.028	4	5.16
3247*	B. D. -18°4645.....	7.5	7.5	41 36.084	3.5070	0.0038	+0.0021	-18 4 9.28	1.608	0.510	-0.031	4	5.78
3248	C. P. D. -26°5987.....	6.2	6.2	42 12.609	3.7495	0.0043	-0.0011	-26 56 20.60	1.554	0.546	-0.020	4	5.24
3249	μ Herculis.....	3.5	8.4	42 32.478	2.3704	0.0025	-0.0244	+27 46 40.25	1.525	0.345	-0.750	86 79	6.81 6.77
3250*	C. P. D. -30°4919.....	6.7	6.7	17 42 50.653	+3.8593	+0.0045	+0.0044	-30 33 44.00	-1.499	+0.562	-0.073	4	5.70
3251	γ Ophiuchi.....	3.7	8.6	17 42 52.667	+3.0084	+0.0028	-0.0018	+ 2 44 41.32	-1.496	+0.438	-0.079	20	7.56
3252	C. P. D. -29°4905.....	7.7*	7.7	43 5.796	+3.8197	0.0043	.....	-29 16 51.35	1.477	+0.556	.....	4	5.14
3253	B. D. -19°4711.....	7.6	7.6	43 39.715	+3.5568	0.0035	.....	-19 58 24.72	1.428	+0.518	.....	4	5.21
3254	ϕ^1 Draconis.....	4.9	7.8	43 42.901	-1.0792	0.0159	+0.0032	+72 11 50.58	1.423	-0.156	-0.267	10	7.71
3255	ϕ^1 Draconis s. p.....	4.9	7.8	17 43 42.907	-1.0792	+0.0159	+0.0032	+72 11 50.44	-1.423	-0.156	-0.267	11	7.33
3256	ϕ^2 Draconis.....	6.1	9.0	17 43 44.60	-1.0823	+0.0158	+0.0045	+72 12 20.7	-1.421	-0.157	-0.278	1	7.31
3257*	C. P. D. -24°5966.....	7.1	7.1	43 50.473	+3.6707	0.0038	-0.0047	-24 10 27.08	1.412	+0.534	-0.064	4	5.68
3258	C. P. D. -26°6002.....	8.1*	8.1	43 50.685	+3.7451	0.0040	.....	-26 46 44.18	1.412	+0.545	.....	4	5.16
3259*	C. P. D. -27°5802.....	6.8	6.8	44 5.744	+3.7525	0.0040	+0.0015	-27 1 45.52	1.390	+0.547	-0.058	4	5.24
3260	B. D. -21°4751.....	9.0*	9.0	17 44 38.004	+3.6084	+0.0036	.....	-21 54 1.98	-1.343	+0.526	.....	4	5.24
3261	87 Herculis.....	5.3	8.2	17 44 45.822	+2.4318	+0.0025	-0.0008	+25 39 21.75	-1.332	+0.354	-0.045	11	6.96
3262*	B. D. -22°4436.....	7.1	7.1	45 3.560	3.6354	0.0036	+0.0003	-22 53 23.60	1.306	0.530	-0.070	4	5.70
3263	C. P. D. -28°5928.....	8.5*	8.5	45 32.572	3.7994	0.0039	.....	-28 35 40.38	1.264	0.553	.....	4	5.14
3264	C. P. D. -25°6128.....	7.8*	7.8	45 43.192	3.7156	0.0037	.....	-25 44 43.48	1.248	0.541	.....	4	5.21
3265	B. D. -21°4760.....	8.6*	8.6	17 45 50.776	+3.5852	+0.0034	.....	-21 1 53.25	-1.237	+0.522	.....	4	5.16
3266*	B. D. -19°4725.....	6.9	6.9	17 45 53.771	+3.5446	+0.0033	+0.0003	-19 29 45.68	-1.233	+0.516	-0.110	4	5.74
3267	B. D. +39°3238.....	8.0	8.0	46 23.606	1.9672	0.0027	.....	+39 38	1.189	0.287	.....	4 0	6.56
3268*	B. D. -19°4728.....	7.3	7.3	46 25.751	3.5342	0.0032	-0.0025	-19 5 42.18	1.186	0.515	-0.043	4	5.23
3269	B. D. -16°4639.....	8.0	8.0	46 31.668	3.4788	0.0031	.....	-16 56 32.78	1.178	0.507	.....	4	5.22
3270*	C. P. D. -27°5845.....	6.8	6.8	17 47 17.842	+3.7599	+0.0035	+0.0034	-27 15 33.38	-1.110	+0.548	-0.009	4	5.70
3271	z Herculis.....	6.4	6.4	17 47 26.292	+1.5682	+0.0032	-0.0003	+48 25 16.14	-1.098	+0.228	+0.008	19	5.14
3272	B. D. -17°4946.....	8.4*	8.4	48 9.703	3.4904	0.0030	.....	-17 23 25.00	1.035	0.509	.....	4	5.14
3273	C. P. D. -24°6017.....	6.1	6.1	48 44.700	3.6910	0.0032	-0.0011	-24 52 1.48	0.984	0.538	-0.008	4	5.16
3274	168 H ¹ Herculis.....	6.1	6.1	48 49.396	1.9521	0.0026	-0.0011	+40 0 14.47	0.977	0.284	+0.049	10	5.89
3275	9 G. Sagittarii.....	6.4	6.4	17 50 2.030	+3.5265	+0.0028	+0.0011	-18 47 3.96	-0.871	+0.514	-0.021	16	5.93
3276*	C. P. D. -26°6092.....	7.3	7.3	17 50 9.756	+3.7455	+0.0030	-0.0009	-26 45 17.10	-0.860	+0.546	-0.101	4	5.74
3277*	B. D. -21°4779.....	6.6	6.6	50 20.116	3.6102	0.0028	+0.0004	-21 56 19.08	0.845	0.526	-0.052	4	5.23
3278	C. P. D. -28°6043.....	5.8	8.7	50 22.988	3.7838	0.0031	+0.0028	-28 2 56.80	0.841	0.551	-0.034	4	5.25
3279	C. P. D. -23°6680.....	7.9*	7.9	50 24.441	3.6494	0.0029	.....	-23 22 25.05	0.839	0.532	.....	4	5.70
3280	C. P. D. -23°6682.....	6.8	6.8	17 51 0.792	+3.6648	+0.0028	+0.0002	-23 55 28.78	-0.786	+0.534	-0.001	4	5.14
3281	B. D. +38°3032.....	8.3*	8.3	17 51 9.577	+2.0111	+0.0025	.....	+38 28	-0.773	+0.293	.....	4 0	6.56
3282	B. D. -20°4922.....	9.2*	9.2	51 17.372	3.5633	0.0027	.....	-20 11 1.78	0.762	0.519	.....	4	5.20
3283	89 Herculis.....	5.5	8.4	51 23.073	2.4191	0.0023	+0.0001	+26 3 57.66	0.753	0.353	+0.002	65 51	8.26 8.34
3284	ξ Draconis.....	3.9	8.8	51 47.978	1.0244	0.0038	+0.0119	+56 53 18.33	0.717	0.149	+0.075	15 14	5.40 5.46
3285	C. P. D. -28°6083.....	6.0	8.9	17 52 18.326	+3.8051	+0.0028	+0.0002	-28 44 52.52	-0.673	+0.554	-0.006	4	5.20
3286	θ Herculis.....	4.0	8.9	17 52 49.365	+2.0561	+0.0024	+0.0003	+37 15 49.23	-0.628	+0.300	+0.004	10	8.04
3287*	B. D. -22°4474.....	6.9	6.9	52 54.441	3.6259	0.0026	+0.0039	-22 30 26.55	0.620	0.530	.....	4	5.74
3288	ν Ophiuchi.....	3.5	8.4	53 31.263	3.3022	0.0023	-0.0008	- 9 45 41.40	0.567	0.482	-0.118	156 153	9.09 9.14
3289	C. P. D. -23°6707.....	4.8	7.7	53 41.173	3.6618	0.0025	+0.0001	-23 48 24.18	0.552	0.534	-0.058	4	5.23
3290	C. P. D. -25°6223.....	8.2	8.2	17 53 50.031	+3.6976	+0.0025	.....	-25 4 43.70	-0.539	+0.539	.....	4	5.25
3291	C. P. D. -29°5112.....	8.0	8.0	17 53 50.923	+3.8401	+0.0026	.....	-29 53 5.40	-0.538	+0.560	.....	4	5.70
3292	ξ Herculis.....	3.8	8.7	53 52.730	+2.3239	0.0023	+0.0066	+29 15 31.07	0.535	+0.339	-0.027	10	7.11
3293	35 Draconis.....	5.0	7.9	53 55.580	-2.7035	0.0141	+0.0141	+76 58 35.97	0.531	-0.394	+0.239	10	7.46
3294	35 Draconis s. p.....	5.0	7.9	53 55.503	-2.7035	0.0141	+0.0141	+76 58 35.93	0.531	-0.394	+0.239	11	7.32
3295*	B. D. -20°4940.....	6.5	6.5	17 54 3.153	+3.5674	+0.0024	+0.0016	-20 19 53.55	-0.520	+0.520	-0.025	4	5.14
3296	C. P. D. -24°6084.....	6.7	6.7	17 54 3.688	+3.6749	+0.0024	+0.0020	-24 16 33.55	-0.519	+0.535	-0.031	4	5.22
3297	γ Draconis.....	2.4	7.3	54 16.960	1.3927	0.0030	-0.0009	+51 30 1.97	0.500	0.203	-0.026	10 9	7.86 7.81
3298	B. D. -17°4987.....	6.3	6.3	55 34.490	3.4848	0.0022	0.0000	-17 9 9.85	0.387	0.508	-0.012	4	5.24
3299	67 Ophiuchi.....	3.9	8.8	55 38.158	3.0038	0.0021	+0.0001	+ 2 56 11.08	0.382	0.438	-0.014	6	5.65
3300	B. D. -22°4503.....	5.7	8.6	17 55 50.856	+3.6334	+0.0021	-0.0005	-22 46 38.62	-0.363	+0.529	-0.010	4	5.68

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension. 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
3301	B. D. -19°4800.....	7.3	7.3	17 55 58.588	+3.5352	+0.0021	.....	-19 6 12.40	-0.352	+0.516	.....	4	5.19
3302	C. P. D. -27°6011.....	6.7	6.7	56 36.333	3.7777	0.0021	.....	-27 49 33.48	0.297	0.551	.....	4	5.25
3303	B. D. +36°2991.....	9.2*	9.2	56 36.390	2.0984	0.0023	.....	+36 5	0.297	0.306	.....	4 0	6.56
3304	B. D. -21°4826.....	8.2*	8.2	56 39.108	3.5989	0.0021	.....	-21 30 27.25	0.293	0.525	.....	4	5.14
3305	B. D. -20°4952.....	6.8	6.8	17 56 39.300	+3.5783	+0.0021	-0.0004	-20 44 10.80	-0.292	+0.522	+0.002	4	5.70
3306	C. P. D. -24°6126.....	5.5	8.4	17 56 43.383	+3.6752	+0.0021	-0.0001	-24 16 52.85	-0.287	+0.536	-0.016	4	5.21
3307	B. D. -17°4997.....	8.0*	8.0	56 52.703	3.4942	0.0020	.....	-17 31 18.52	0.273	0.509	.....	4	5.26
3308	C. P. D. -26°6182.....	7.1	7.1	57 10.263	3.7334	0.0020	.....	-26 19 11.52	0.247	0.544	.....	4	5.70
3309*	B. D. -17°5001.....	7.1	7.1	57 32.018	3.4966	0.0020	+0.0034	-17 36 39.18	0.216	0.510	-0.031	4	5.19
3310	τ Ophiuchi (mean).....	4.9	7.8	17 57 38.150	+3.2644	+0.0020	+0.0014	- 8 10 48.78	-0.206	+0.476	-0.040	10 9	6.83 7.09
3311	τ Ophiuchi (fol.).....	5.3	8.2	17 57 38.278	+3.2644	+0.0020	.....	- 8 10 48.85	-0.206	+0.476	.....	2	5.97
3312	C. P. D. -24°6144.....	5.9	8.8	57 44.494	3.6775	0.0019	0.0000	-24 21 44.68	0.198	0.536	-0.006	4	5.24
3313*	B. D. -22°4533.....	6.9	6.9	57 52.189	3.6352	0.0020	+0.0016	-22 50 21.42	0.186	0.531	-0.025	4	5.70
3314	C. P. D. -29°5230.....	var.	7.6	58 37.905	3.8311	0.0018	+0.0007	-29 35 3.52	0.120	0.559	-0.012	4	5.14
3315	C. P. D. -24°6201.....	6.8	6.8	17 59 2.507	+3.6787	+0.0018	+0.0007	-24 24 12.45	-0.084	+0.536	-0.016	4	5.24
3316	γ Sagittarii.....	3.1	8.0	17 59 23.024	+3.8572	+0.0016	-0.0046	-30 25 31.74	-0.054	+0.562	-0.194	22	7.38 7.57
3317	70 Ophiuchi (brighter).....	4.3	7.2	18 0 24.169	3.0135	0.0019	+0.017†	+ 2 31 16.45	+0.035	0.439	-1.10†	9 10	6.83 6.78
3318	B. D. -18°4789.....	7.8	7.8	0 49.382	3.5323	0.0016	.....	-18 59 35.00	+0.072	0.515	.....	4	5.72
3319	B. D. -21°4855.....	6.2	6.2	1 11.471	3.5976	0.0015	-0.0010	-21 27 14.22	+0.104	0.525	+0.003	5 4	5.24 5.21
3320	C. P. D. -23°6857.....	8.3*	8.3	18 1 40.987	+3.6428	+0.0014	.....	-23 6 58.12	+0.147	+0.531	.....	4	5.24
3321	C. P. D. -28°6304.....	4.7	7.6	18 1 44.915	+3.7970	+0.0013	+0.0013	-28 28 4.65	+0.153	+0.554	-0.033	4	5.70
3322	B. D. -17°5028.....	5.7	8.6	2 0 37.1	3.4852	0.0015	-0.0078	-17 10 2.85	0.176	0.508	+0.049	4	5.14
3323	C. P. D. -27°6176.....	7.4	7.4	2 36.267	3.7769	0.0012	.....	-27 47 51.62	0.228	0.550	.....	4	5.21
3324	72 Ophiuchi.....	3.7	8.6	2 36.461	2.8475	0.0019	-0.0042	+ 9 32 59.58	0.228	0.415	+0.082	55 53	8.57
3325*	B. D. -21°4866.....	6.6	6.6	18 2 38.699	+3.5978	+0.0013	-0.0032	-21 27 46.98	+0.231	+0.524	-0.008	4	5.26
3326	B. D. -20°5003.....	8.2	8.2	18 2 45.294	+3.5614	+0.0013	.....	-20 6 2.92	+0.241	+0.519	.....	4	5.72
3327	C. P. D. -26°6300.....	7.5	7.5	3 2 35.6	3.7277	0.0011	.....	-26 7 21.20	0.265	0.543	.....	4	5.20
3328	C. P. D. -24°6255.....	8.7*	8.7	3 32.610	3.6878	0.0011	.....	-24 43 50.80	0.310	0.537	.....	4	5.24
3329	o Herculis.....	3.8	8.7	3 38.458	2.3393	0.0021	+0.0002	+28 44 55.68	0.318	0.341	+0.002	50 46	8.57 8.75
3330	102 Herculis.....	4.3	7.2	18 4 28.853	+2.5648	+0.0019	-0.0001	+20 47 55.46	+0.392	+0.374	-0.017	10	7.50
3331	δ Ursæ Minoris.....	4.4	7.3	18 4 32.82	-19.507	-0.125	+0.021	+86 36 48.15	+0.398	-2.844	+0.048	109 105	8.48 8.44
3332	δ Ursæ Minoris s. P.	4.4	7.3	4 32.76	-19.507	-0.125	+0.021	+86 36 48.27	0.398	-2.844	+0.048	95 93	8.34 8.42
3333	B. D. -22°4597.....	7.9	7.9	4 42.104	+3.6192	+0.0010	.....	-22 15 29.18	0.411	+0.527	.....	4	5.70
3334	B. D. -18°4824.....	8.0*	8.0	5 10.490	+3.5211	+0.0011	.....	-18 33 59.55	0.453	+0.513	.....	4	5.14
3335*	B. D. -19°4886 (mean).....	6.3	6.3	18 5 19.168	+3.5550	+0.0010	-0.0028	-19 51 40.42	+0.465	+0.518	-0.040	4	5.21
3336*	C. P. D. -28°6374.....	6.9*	6.9	18 5 36.891	+3.8106	+0.0007	-0.0002	-28 55 21.22	+0.491	+0.555	-0.019	4	5.78
3337	C. P. D. -23°6929.....	5.1	8.0	5 37.183	+3.6594	+0.0008	+0.0018	-23 43 16.98	0.492	+0.533	-0.028	4	5.19
3338	B. D. -20°5027.....	7.2	7.2	5 59.945	+3.5704	+0.0009	.....	-20 26 41.82	0.525	+0.520	.....	4	5.19
3339	40 Draconis.....	6.2	9.1	7 31.716	-4.4937	-0.0172	+0.0202	+79 59 17.57	0.658	-0.655	+0.122	9	6.86
3340	40 Draconis s. P.	6.2	9.1	18 7 31.776	-4.4937	-0.0172	+0.0202	+79 59 17.72	+0.658	-0.655	+0.122	8	8.17
3341	41 Draconis.....	5.8	8.7	18 7 37.792	-4.4960	-0.0175	+0.0173	+79 59 29.25	+0.667	-0.655	+0.114	2	5.83
3342	41 Draconis s. P.	5.8	8.7	7 37.822	-4.4960	-0.0175	+0.0173	+79 59 29.53	0.667	-0.655	+0.114	6	6.09
3343	μ Sagittarii.....	4.0	8.9	7 46.987	+3.5873	+0.0007	+0.0003	-21 5 5.48	0.681	+0.522	-0.005	25 26	8.06 8.00
3344	24 Ursæ Minoris.....	5.9	8.8	7 47.83	-22.364	-0.289	+0.068	+86 59 38.50	0.682	-3.258	+0.006	10	7.23
3345	24 Ursæ Minoris s. P.	5.9	8.8	18 7 48.12	-22.364	-0.289	+0.068	+86 59 38.11	+0.682	-3.258	+0.006	10	8.29
3346	C. P. D. -27°6281.....	7.4*	7.4	18 7 53.875	+3.7685	+0.0004	.....	-27 31 43.30	+0.691	+0.549	.....	4	5.70
3347	B. D. -21°4916.....	5.7	8.6	8 15.416	3.6049	0.0006	-0.0011	-21 44 23.15	0.722	0.524	-0.027	4	5.14
3348	C. P. D. -29°5425.....	6.8	6.8	8 41.120	3.8388	0.0001	.....	-29 51 4.60	0.760	0.559	.....	4	5.21
3349	C. P. D. -25°6411.....	8.1*	8.1	8 59.629	3.7184	0.0003	.....	-25 49 6.35	0.786	0.541	.....	4	5.27
3350	B. D. -20°5054.....	5.4	8.3	18 9 14.950	+3.5785	+0.0005	+0.0001	-20 45 27.90	+0.809	+0.521	-0.005	4	5.81
3351	B. D. +38°3109.....	8.6*	8.6	18 9 15.934	+2.0074	+0.0020	.....	+38 34 17.59	+0.811	+0.292	.....	16 12	8.11 8.62
3352	B. D. -20°5055.....	6.0	6.0	9 15.956	3.5694	0.0005	0.0000	-20 25 3.10	0.810	0.520	-0.010	4	5.19
3353	B. D. -18°4864.....	6.1	6.1	9 38.255	3.5241	0.0006	.....	-18 41 30.85	0.843	0.513	.....	4	5.24
3354	C. P. D. -23°7007.....	7.4*	7.4	10 27.575	3.6649	0.0002	.....	-23 56 1.25	0.915	0.533	.....	4	5.70
3355	B. D. -20°5068.....	7.1	7.1	18 10 37.886	+3.5735	+0.0004	+0.0005	-20 34 37.70	+0.930	+0.520	-0.019	4	5.14
3356*	C. P. D. -28°6498.....	6.3	6.3	18 11 3.536	+3.7917	-0.0002	+0.0093	-28 19 10.50	+0.967	+0.551	-0.234	4	5.24
3357*	C. P. D. -28°6497.....	6.0	8.9	11 3.636	3.8027	-0.0002	+0.0053	-28 41 10.05	0.967	0.553	+0.032	4	5.19
3358*	B. D. -17°5112.....	6.0	8.9	11 22.456	3.4908	+0.0004	+0.0007	-17 24 28.92	0.994	0.508	+0.013	4	5.82
3359*	B. D. -18°4886.....	6.4	6.4	11 36.569	3.5189	+0.0003	+0.0004	-18 29 54.82	1.015	0.512	-0.036	4	5.19
3360	C. P. D. -27°6359.....	4.7	7.6	18 11 47.605	+3.7547	-0.0003	-0.0006	-27 4 43.60	+1.031	+0.546	+0.006	4	5.25
3361	B. D. -22°4655.....	8.0	8.0	18 11 54.620	+3.6219	+0.0001	.....	-22 22 44.15	+1.041	+0.527	.....	4	5.70
3362*	C. P. D. -25°6460.....	6.4	6.4	12 30.442	3.7129	-0.0002	-0.0044	-25 38 30.02	1.093	0.540	-0.062	4	5.14
3363	5 B. Lyræ.....	5.4	8.3	12 32.069	1.8655	+0.0020	-0.0005	+42 7 30.54	1.096	0.271	-0.007	9 8	5.69 5.84
3364	B. D. -18°4896 (mean).....	6.4	6.4	12 50.892	3.5229	+0.0002	-0.0005	-18 39 27.92	1.124	0.512	+0.002	4	5.19
3365	36 Draconis.....	5.0	7.9	18 13 19.456	+0.2922	-0.0006	+0.0532	+64 21 48.25	+1.165	+0.042	+0.029	11	5.40

3314. Var., 4m.3-5m.1.

3317. Comp., 6m.0, 2''.6, 165°.

3364. Double, 6m.9, 7m.4, 0''.4, 149°.

3311. Comp., 6m.0, 2''.6, 260°.

The proper motion is variable due to orbital motion. The values given are for the center of gravity of the two components.

3335. Double, 6m.9, 7m.3, 0''.9, 223°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Num- ber of Observations.	Mean Date.
				^h ^m ^s	^s	^s	^s	[°] ['] ["]	["]	["]	["]		1900+
3366	B. D. +35°3205.....	8.6*	8.6	18 13 51.969	+2.1266	+0.0020	.....	+35 19 59.21	+1.212	+0.309	.....	15 11	8.07 8.62
3367	B. D. -15°4927.....	5.7	8.6	14 23.293	3.4516	+0.0002	+0.0018	-15 52 21.10	1.258	0.502	-0.039	4	5.24
3368	δ Sagittarii.....	2.8	7.7	14 35.572	3.8384	-0.0009	+0.0028	-29 52 13.56	1.276	0.558	-0.036	25 28	6.58 6.91
3369*	C. P. D. -26°6410.....	6.7	6.7	14 59.673	3.7265	-0.0006	+0.0012	-26 7 44.55	1.311	0.542	+0.009	4	5.16
3370	C. P. D. -24°6362.....	6.4	6.4	18 15 22.007	+3.6930	-0.0006	+0.0006	-24 57 35.52	+1.343	+0.537	-0.008	4	5.20
3371	B. D. -18°4926.....	var.	5.8	18 15 30.029	+3.5290	-0.0001	+0.0005	-18 54 15.48	+1.355	+0.513	-0.011	4	5.74
3372	C. P. D. -28°6526.....	6.1	6.1	15 40.468	3.7955	-0.0010	+0.0009	-28 28 31.58	1.370	0.551	-0.001	4	5.24
3373*	B. D. -22°4693.....	7.1	7.1	15 59.266	3.6374	-0.0005	+0.0013	-22 58 2.60	1.397	0.529	+0.008	4	5.19
3374	η Serpentis.....	3.4	8.3	16 7.787	3.1404	+0.0008	-0.0376	-2 55 35.13	1.410	0.456	-0.699	181 175	8.83 8.96
3375	B. D. -20°5118.....	8.1*	8.1	18 17 22.282	+3.5760	-0.0005	.....	-20 42 10.42	+1.518	+0.519	.....	4	5.29
3376	ε Sagittarii.....	2.0	6.9	18 17 32.084	+3.9858	-0.0021	-0.0035	-34 25 55.31	+1.532	+0.579	-0.132	10	7.40
3377	B. D. -21°4974.....	8.5*	8.5	17 34.587	3.6030	-0.0006	.....	-21 42 49.52	1.536	0.523	.....	4	5.76
3378	446 B. Herculis.....	5.7	8.6	17 58.418	2.5004	+0.0017	+0.0011	+23 14 4.60	1.571	0.362	+0.075	10	7.12
3379	B. D. +38°3150.....	8.4*	8.4	18 17.875	2.0206	+0.0019	.....	+38 17 25.83	1.599	0.293	.....	15 11	8.21 8.62
3380	447 B. Herculis.....	5.5	8.4	18 18 23.927	+2.6452	+0.0015	+0.0045	+17 46 34.88	+1.608	+0.384	+0.007	10	8.01
3381	C. P. D. -24°6386.....	8.3*	8.3	18 18 56.943	+3.6784	-0.0010	.....	-24 28 2.95	+1.656	+0.534	.....	4	5.19
3382	B. D. -20°5134.....	5.0	7.9	19 23.674	3.5728	-0.0007	+0.0006	-20 35 42.22	1.694	0.518	-0.021	4	5.28
3383	109 Herculis.....	3.9	8.8	19 26.257	2.5418	+0.0017	+0.0138	+21 43 25.79	1.698	0.368	-0.261	69 66	7.41 7.34
3384	C. P. D. -27°6398.....	8.5*	8.5	19 28.384	3.7654	-0.0014	.....	-27 29 43.05	1.701	0.546	.....	4	5.71
3385	μ Lyrae.....	5.0	7.9	18 20 56.123	+1.9771	+0.0018	-0.0018	+39 27 9.57	+1.829	+0.286	-0.010	10	7.38
3386*	C. P. D. -29°5565.....	5.9	8.8	18 21 25.829	+3.8368	-0.0020	+0.0021	-29 52 36.68	+1.872	+0.556	-0.013	4	5.14
3387*	C. P. D. -26°6463(mean)	6.2	6.2	21 29.629	3.7414	0.0017	0.0000	-26 41 36.42	1.877	0.542	-0.046	4	5.19
3388	λ Sagittarii.....	2.9	7.8	21 47.945	3.7063	0.0015	-0.0035	-25 28 37.75	1.904	0.537	-0.191	26 28	8.38 8.46
3389*	C. P. D. -26°6467.....	6.3	6.3	21 51.728	3.7448	0.0018	+0.0018	-26 49 0.30	1.910	0.542	-0.032	4	5.77
3390*	C. P. D. -23°7090.....	7.1	7.1	18 22 3.190	+3.6387	-0.0013	-0.0007	-23 3 38.72	+1.926	+0.527	+0.050	4	5.19
3391	B. D. -17°5203.....	6.0	6.0	18 22 6.373	+3.5010	-0.0008	-0.0002	-17 51 38.78	+1.931	+0.507	-0.006	4	5.29
3392	φ Draconis.....	4.2	7.1	22 11.419	-0.8541	0.0110	-0.0008	+71 17 5.10	1.938	-0.125	+0.032	10	7.09
3393	Draconis s. p.....	4.2	7.1	22 11.501	-0.8541	0.0110	-0.0008	+71 17 5.09	1.938	-0.125	+0.032	10	5.24
3394	δ Draconis.....	4.8	7.7	22 26.913	+0.8811	0.0005	-0.0043	+58 44 34.56	1.961	+0.127	+0.055	10	7.21
3395*	C. P. D. -26°6475.....	6.5	6.5	18 22 43.415	+3.7396	-0.0018	-0.0063	-26 38 39.00	+1.984	+0.542	-0.054	4	5.72
3396	χ Draconis.....	3.7	8.6	18 22 52.214	-1.1944	-0.0146	+0.1166	+72 41 20.50	+1.996	-0.173	-0.369	13	5.24
3397	χ Draconis s. p.....	3.7	8.6	22 52.313	-1.1944	-0.0146	+0.1166	+72 41 19.76	1.996	-0.173	-0.369	7	6.63
3398	B. D. +36°3130.....	7.7*	7.7	23 11.012	+2.1026	+0.0018	.....	+36 6 16.08	2.024	+0.304	.....	16 12	8.11 8.62
3399	2 H. Scuti.....	4.7	7.6	23 29.865	+3.4194	-0.0006	+0.0002	-14 37 46.07	2.052	+0.495	-0.008	15	5.43
3400	B. D. -21°5025.....	7.4	7.4	18 23 52.937	+3.5830	-0.0013	.....	-21 0 59.75	+2.085	+0.518	.....	4	5.14
3401	C. P. D. -28°6576.....	7.5	7.5	18 24 10.594	+3.8048	-0.0024	.....	-28 51 39.25	+2.111	+0.551	.....	4	5.19
3402	B. D. -18°4982.....	5.8	8.7	24 19.150	3.5245	-0.0011	+0.0033	-18 47 32.08	2.123	0.510	-0.101	4	5.28
3403	c Serpentis.....	5.4	8.3	24 28.695	3.1199	+0.0004	+0.0015	-2 2 59.64	2.137	0.451	-0.031	12	5.61
3404	B. D. -21°5027.....	8.1*	8.1	24 34.552	3.6043	-0.0015	.....	-21 49 9.62	2.145	0.522	.....	4	5.79
3405	B. D. -20°5160.....	7.9	7.9	18 24 36.904	+3.5653	-0.0013	.....	-20 21 12.82	+2.149	+0.516	.....	4	5.19
3406	B. D. -18°4988.....	5.2	8.1	18 25 34.699	+3.5160	-0.0012	-0.0007	-18 28 15.58	+2.233	+0.508	-0.034	4	5.28
3407	C. P. D. -24°6440.....	6.8	6.8	27 7.590	3.6683	0.0021	-0.0004	-24 10 55.52	2.367	0.530	-0.004	4	5.72
3408	C. P. D. -25°6564.....	7.7	7.7	27 34.583	3.7058	0.0024	.....	-25 31 20.40	2.406	0.535	.....	4	5.14
3409	C. P. D. -24°6447.....	5.7	8.6	27 46.926	3.6660	0.0022	-0.0003	-24 6 23.90	2.424	0.530	-0.018	4	5.19
3410	C. P. D. -30°5557.....	7.2	7.2	18 27 49.597	+3.8681	-0.0033	.....	-30 57 28.05	+2.428	+0.559	.....	4	5.28
3411	B. D. +39°3445.....	8.5*	8.5	18 28 11.554	+1.9665	+0.0016	.....	+39 49 11.92	+2.460	+0.283	.....	16 12	8.11 8.62
3412	C. P. D. -24°6448.....	6.4	6.4	28 25.709	3.6711	-0.0023	-0.0004	-24 17 54.35	2.480	0.530	0.000	4	5.76
3413	C. P. D. -27°6468.....	7.7*	7.7	29 17.869	3.7600	-0.0029	.....	-27 25 12.25	2.556	0.542	.....	4	5.19
3414	B. D. -22°4790.....	8.1*	8.1	29 19.255	3.6125	-0.0021	.....	-22 10 7.95	2.558	0.521	.....	4	5.28
3415	B. D. -20°5189.....	6.5	6.5	18 29 23.210	+3.5790	-0.0019	.....	-20 55 7.22	+2.564	+0.516	.....	4	5.83
3416*	B. D. -19°5077.....	7.2	7.2	18 29 29.709	+3.5377	-0.0017	+0.0015	-19 20 47.85	+2.573	+0.511	-0.024	4	5.27
3417	C. P. D. -29°5610.....	6.5	6.5	29 36.627	3.8307	0.0034	+0.0012	-29 46 41.15	2.583	0.553	-0.026	4	5.22
3418	3 H. Scuti.....	4.1	7.0	29 45.902	3.2660	0.0005	-0.0015	-8 18 52.68	2.596	0.471	-0.317	186 177	8.51 8.59
3419*	C. P. D. -28°6611.....	6.8	6.8	30 43.902	3.7942	0.0033	+0.0012	-28 35 29.55	2.680	0.548	-0.150	4	5.28
3420*	C. P. D. -25°6575.....	7.4	7.4	18 31 0.623	+3.7110	-0.0029	+0.0151	-25 44 46.78	+2.704	+0.535	-0.260	4	5.78
3421	B. D. -21°5076.....	5.8	5.8	18 31 55.176	+3.5932	-0.0024	-0.0011	-21 28 48.80	+2.783	+0.518	-0.082	4	5.19
3422	B. D. -17°5271.....	6.8	6.8	32 3.080	3.4849	-0.0017	-0.0009	-17 18 56.28	2.794	0.502	+0.003	4	5.28
3423	84 G. Sagittarii.....	5.8	8.7	32 25.773	3.6501	-0.0027	-0.0006	-23 35 24.14	2.827	0.525	-0.029	14	6.98
3424	29 H. Sagittarii.....	5.9	8.8	32 55.587	3.5836	-0.0024	-0.0055	-21 8 4.74	2.870	0.516	-0.154	14	7.07
3425	α Lyrae.....	0.1	8.0	18 33 33.260	+2.0135	+0.0015	+0.0174	+38 41 28.17	+2.924	+0.289	+0.279	14	7.16
3426	Anonymous.....	10.1	10.1	18 33 34.564	+2.0140	+0.0015	.....	+38 40 36.28	+2.926	+0.289	.....	12 8	7.92 8.60
3427	B. D. -20°5223.....	6.8	6.8	33 57.750	+3.5576	-0.0024	.....	-20 9 34.52	2.960	+0.512	.....	4	5.18
3428	156 H ¹ . Draconis.....	5.8	8.7	34 34.853	-2.8724	-0.0555	-0.0008	+77 28 8.92	3.014	-0.415	-0.005	13	5.17
3429	156 H ¹ . Draconis s. p.....	5.8	8.7	34 34.843	-2.8724	-0.0555	-0.0008	+77 28 8.78	3.014	-0.415	-0.005	11	6.99
3430	C. P. D. -26°6527.....	8.1*	8.1	18 34 52.425	+3.7406	-0.0036	.....	-26 49 58.58	+3.039	+0.538	.....	4	5.25

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Number of Observations.	Mean Date.
				^h ^m ^s	^s	^s	^s	° ' "	"	"	"		1900+
3431	C. P. D. -28°6638.....	7.5*	7.5	18 35 6.704	+3.7761	-0.0039	.....	-28 3 0.32	+3.059	+0.543	.....	4	5.80
3432	C. P. D. -23°7191.....	6.1	6.1	35 45.708	3.6581	0.0032	+0.0024	-23 55 34.60	3.115	0.525	-0.028	4	5.28
3433	B. D. -18°5037.....	8.7*	8.7	35 46.012	3.5034	0.0022	.....	-18 4 51.88	3.116	0.503	.....	4	5.19
3434	153 H ¹ . Draconis.....	6.0	8.9	35 54.422	0.1891	0.0078	+0.0016	+65 23 57.71	3.128	0.026	+0.082	10	7.71
3435	153 H ¹ . Draconis s. p.	6.0	8.9	18 35 54.449	+0.1891	-0.0078	+0.0016	+65 23 57.69	+3.128	+0.026	+0.082	10	5.96
3436	4 H. Scuti.....	4.7	7.6	18 36 47.887	+3.2848	-0.0011	+0.0009	- 9 8 52.80	+3.205	+0.471	-0.004	87 81	6.81 6.73
3437*	B. D. -19°5134.....	6.5	6.5	37 1.595	3.5363	0.0025	-0.0015	-19 22 47.68	3.225	0.507	-0.031	4	5.79
3438	B. D. -22°4835.....	7.6	7.6	37 18.443	3.6188	0.0032	.....	-22 30 28.70	3.249	0.519	.....	4	5.24
3439	B. D. -21°5118.....	7.4	7.4	37 34.877	3.5789	0.0029	.....	-21 1 0.18	3.273	0.513	.....	4	5.19
3440*	B. D. -19°5142.....	6.7	6.7	18 38 15.248	+3.5369	-0.0027	+0.0016	-19 25 3.52	+3.331	+0.508	-0.001	4	5.25
3441	C. P. D. -25°6602.....	5.8	8.7	18 38 40.722	+3.6898	-0.0039	-0.0001	-25 6 39.90	+3.367	+0.529	-0.026	4	5.81
3442	B. D. +36°3239.....	7.2	7.2	38 50.024	2.0992	+0.0014	.....	+36 27 13.39	3.381	0.300	.....	16 12	8.11 8.62
3443	B. D. +52°2268.....	9.0*	9.0	39 14.724	1.3562	-0.0003	.....	+52 29 51.35	3.416	0.193	.....	2	7.35
3444*	B. D. -21°5131.....	6.4	6.4	39 20.507	3.5805	-0.0032	+0.0019	-21 6 10.42	3.424	0.512	-0.040	4	5.19
3445	φ Sagittarii.....	3.3	8.2	18 39 24.593	+3.7460	-0.0044	+0.0036	-27 5 36.10	+3.430	+0.537	-0.003	26 30	8.27 8.45
3446	B. D. -17°5310.....	7.1	7.1	18 39 48.013	+3.4911	-0.0026	.....	-17 38 51.20	+3.464	+0.500	.....	4	5.83
3447*	B. D. -19°5154.....	6.6	6.6	40 6.879	3.5438	-0.0030	0.0000	-19 42 37.28	3.491	0.507	-0.045	4	5.24
3448	B. D. -22°4854.....	5.8	8.7	40 18.758	3.6173	-0.0036	+0.0019	-22 29 48.02	3.508	0.517	+0.001	4	5.22
3449*	C. P. D. -29°5710.....	6.8	6.8	40 25.254	3.8239	-0.0052	+0.0025	-29 44 9.42	3.518	0.547	-0.050	4	5.25
3450	ε ¹ Lyrae (south).....	5.1	8.0	18 41 1.561	+1.9857	+0.0014	+0.0008	+39 33 56.88	+3.569	+0.283	+0.051	10 9	5.28 5.45
3451	ε ¹ Lyrae (mean).....	4.7	7.6	18 41 1.65	+1.9857	+0.0014	+0.0004	+39 33 56.9	+3.569	+0.283	+0.054	1	7.66
3452	ε ² Lyrae (pr.).....	5.1	8.0	41 3.776	1.9880	+0.0013	.....	+39 30 29.44	3.573	0.283	.....	5	7.88
3453	ε ² Lyrae (mean).....	4.5	7.4	41 3.909	1.9880	+0.0013	+0.0014	+39 30 29.42	3.573	0.283	+0.062	4	4.72
3454*	C. P. D. -28°6680.....	7.2	7.2	41 18.972	3.7828	-0.0050	-0.0010	-28 23 12.25	3.594	0.541	+0.017	4	5.80
3455	110 Hercules.....	4.3	7.2	18 41 21.452	+2.5821	+0.0012	-0.0015	+20 26 59.86	+3.598	+0.369	-0.344	76 64	7.89 7.86
3456	C. P. D. -23°7256.....	8.5*	8.5	18 41 51.564	+3.6401	-0.0039	.....	-23 21 55.20	+3.641	+0.520	.....	4	5.19
3457	6 H. Scuti.....	4.5	7.4	41 52.093	3.1840	-0.0010	-0.0007	- 4 51 17.15	3.642	0.455	-0.023	10	7.85
3458	B. D. -20°5268.....	6.9	6.9	41 56.369	3.5606	-0.0033	+0.0010	-20 22 56.98	3.648	0.509	-0.015	4	5.28
3459	B. D. -21°5138.....	9.1*	9.1	41 58.987	3.5787	-0.0035	.....	-21 4 17.58	3.652	0.511	.....	4	5.87
3460	111 Hercules.....	4.4	7.3	18 42 36.312	+2.6438	+0.0010	+0.0044	+18 4 14.02	+3.705	+0.377	+0.106	10	7.72
3461	B. D. -18°5079.....	6.5	6.5	18 42 53.737	+3.5171	-0.0031	.....	-18 42 41.90	+3.730	+0.502	.....	4	5.24
3462	C. P. D. -25°6614.....	8.5*	8.5	43 29.467	3.7047	-0.0042	.....	-25 43 31.65	3.781	0.529	.....	4	5.18
3463	B. D. +35°3361.....	7.3	7.3	43 34.967	2.1270	+0.0015	.....	+35 45 57.99	3.789	0.303	.....	14 10	8.04 8.63
3464	B. D. -20°5277.....	5.4	8.3	43 44.080	3.5613	-0.0036	+0.0004	-20 26 17.22	3.802	0.508	+0.025	4	5.24
3465*	C. P. D. -26°6572.....	7.2	7.2	18 44 23.952	+3.7372	-0.0050	-0.0026	-26 53 3.45	+3.859	+0.533	-0.060	4	5.81
3466	B. D. +52°2279.....	9.1*	9.1	18 44 28.809	+1.3655	-0.0007	.....	+52 27 57.45	+3.867	+0.194	.....	2	7.66
3467	204 B. Draconis.....	5.8	8.7	44 29.010	1.3398	0.0008	+0.0016	+52 52 41.11	3.867	0.190	-0.016	10	7.58
3468	30 Sagittarii.....	6.2	6.2	44 49.798	3.6094	0.0040	-0.0027	-22 16 35.48	3.896	0.514	-0.024	14	6.90
3469	B. D. -17°5347.....	6.8	6.8	45 31.990	3.4797	0.0032	.....	-17 16 15.35	3.957	0.496	.....	4	5.28
3470	C. P. D. -24°6534.....	8.2	8.2	18 45 44.261	+3.6768	-0.0047	.....	-24 46 17.85	+3.974	+0.524	.....	4	5.82
3471	B. D. -22°4892.....	6.7	6.7	18 46 7.991	+3.6024	-0.0042	+0.0024	-22 2 19.02	+4.008	+0.513	-0.045	4	5.24
3472*	C. P. D. -29°5758.....	6.3	6.3	46 15.953	3.8130	-0.0060	0.0000	-29 29 51.40	4.020	0.543	-0.038	4	5.22
3473	β Lyrae.....	var.	8.7	46 23.242	2.2141	+0.0014	+0.0003	+33 14 47.49	4.030	0.314	-0.007	20 19	4.94 4.80
3474*	C. P. D. -27°6550.....	7.4	7.4	46 51.383	3.7646	-0.0057	-0.0010	-27 52 38.65	4.070	0.535	+0.007	4	5.25
3475	B. D. -18°5115.....	6.9	6.9	18 47 14.971	+3.5166	-0.0036	.....	-18 45 24.85	+4.104	+0.500	.....	4	5.80
3476	B. D. +39°3551.....	7.2	7.2	18 47 19.392	+2.0047	+0.0013	.....	+39 13 19.71	+4.110	+0.285	.....	12 9	8.10 8.62
3477	B. D. -21°5176.....	5.8	8.7	48 1.520	3.5868	-0.0042	+0.0001	-21 28 55.42	4.170	0.509	-0.012	4	5.19
3478	B. D. -22°4907.....	5.0	7.9	48 7.944	3.6236	-0.0046	+0.0005	-22 52 3.68	4.179	0.515	-0.017	4	5.28
3479	σ Sagittarii.....	2.1	7.0	49 3.952	3.7212	-0.0056	+0.0006	-26 25 15.19	4.259	0.528	-0.066	22 21	7.66 7.62
3480	B. D. -22°4915.....	5.0	7.9	18 49 4.464	+3.6212	-0.0047	+0.0072	-22 47 45.75	+4.260	+0.514	-0.032	4	5.24
3481	B. D. +52°2294.....	5.6	8.5	18 49 20.448	+1.3494	-0.0012	-0.0036	+52 50 47.90	+4.283	+0.191	+0.286	2	7.59
3482	50 Draconis.....	5.4	8.3	49 36.054	-1.9087	0.0536	-0.0034	+75 18 58.98	4.305	-0.274	+0.077	9 10	7.12 6.98
3483	50 Draconis s. p.	5.4	8.3	49 36.165	-1.9087	0.0536	-0.0034	+75 18 58.73	4.305	-0.274	+0.077	10	8.34
3484	o Draconis.....	4.8	7.7	49 43.615	+0.8772	0.0046	+0.0103	+59 15 57.89	4.316	+0.123	+0.023	10	7.98
3485	B. D. -16°5078.....	5.6	8.5	18 49 45.377	+3.4589	-0.0034	-0.0018	-16 29 54.15	+4.318	+0.490	-0.185	4	5.22
3486	C. P. D. -23°7307.....	5.9	8.8	18 49 57.391	+3.6343	-0.0049	-0.0004	-23 18 3.22	+4.335	+0.515	-0.015	4	5.25
3487	B. D. -16°5083.....	7.1	7.1	49 58.706	3.4582	0.0344	.....	-16 28 31.18	4.337	0.490	.....	4	5.78
3488	C. P. D. -24°6551.....	7.4	7.4	50 35.947	3.6735	0.0054	.....	-24 44 57.60	4.390	0.521	.....	4	5.19
3489	θ Serpentis.....	4.5	7.4	51 14.902	2.9795	0.0004	+0.0031	+ 4 4 25.23	4.446	0.422	+0.027	146 145	9.40 9.49
3490	B. D. -20°5339.....	5.1	8.0	18 51 23.943	+3.5670	-0.0045	-0.0012	-20 47 12.65	+4.458	+0.505	-0.011	4	5.28
3491*	B. D. -19°5242.....	7.0	7.0	18 51 43.030	+3.5281	-0.0042	+0.0013	-19 17 4.55	+4.486	+0.500	-0.102	4	5.79
3492	ξ Sagittarii.....	3.6	8.5	51 45.879	3.5785	-0.0046	+0.0023	-21 14 16.61	4.489	0.507	-0.018	20 22	5.86 6.18
3493	C. P. D. -25°6642.....	6.6	6.6	52 12.682	3.6797	-0.0056	-0.0017	-25 0 34.45	4.528	0.520	-0.012	4	5.18
3494	R Lyrae.....	4.3	7.2	52 17.505	1.8233	+0.0007	+0.0026	+43 48 52.25	4.534	0.527	+0.072	10	8.05
3495	B. D. -18°5155.....	6.3	6.3	18 53 35.696	+3.5124	-0.0043	.....	-18 42 6.22	+4.645	+0.496	.....	4	5.25

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
3496	C. P. D. -28°6740.....	7.7	7.7	18 53 43.403	+3.7690	-0.0068	.....	-28 11 12.62	+4.656	+0.532	.....	4	5.77
3497	C. P. D. -26°6610.....	8.3*	8.3	54 4.593	3.7151	0.0063	.....	-26 19 10.28	4.686	0.525	.....	4	5.19
3498	C. P. D. -25°6653.....	6.4	6.4	54 16.622	3.6804	0.0059	+0.0026	-25 4 51.45	4.703	0.519	+0.039	4	5.28
3499	B. D. +53°2154.....	9.6*	9.6	54 21.377	1.3343	0.0016	.....	+53 13 31.90	4.709	0.187	.....	2	7.38
3500	B. D. -17°5409.....	7.9*	7.9	18 54 37.019	+3.4849	-0.0041	.....	-17 37 20.08	+4.732	+0.492	.....	4	5.80
3501	<i>ε</i> Aquilæ.....	4.2	7.1	18 55 4.971	+2.7262	+0.0005	-0.0044	+14 55 56.65	+4.772	+0.384	-0.077	55 50	8.13 8.23
3502	<i>γ</i> Lyrae.....	3.3	8.2	55 12.106	+2.2438	+0.0013	-0.0002	+32 33 8.45	4.782	+0.316	-0.007	10	7.97
3503*	B. D. -22°4946.....	6.3	6.3	55 36.056	+3.6186	-0.0055	+0.0005	-22 50 10.15	4.816	+0.510	+0.009	4	5.24
3504	<i>υ</i> Draconis.....	4.9	7.8	55 37.470	-0.7305	-0.0306	+0.0110	+71 9 49.49	4.818	-0.106	+0.040	10	7.88
3505	<i>υ</i> Draconis s. P.....	4.9	7.8	18 55 37.513	-0.7305	-0.0306	+0.0110	+71 9 48.92	+4.818	-0.106	+0.040	10	6.92
3506	<i>ζ</i> Sagittarii.....	2.7	7.6	18 56 14.986	+3.8215	-0.0078	-0.0016	-30 1 22.28	+4.871	+0.538	0.000	19	5.17
3507	C. P. D. -25°6667.....	5.7	8.6	56 20.411	3.6764	0.0062	-0.0021	-24 59 5.52	4.879	0.518	-0.176	4	5.25
3508*	B. D. -19°5273.....	6.0	8.9	57 11.150	3.5282	0.0048	0.0000	-19 23 22.55	4.950	0.496	-0.035	4	5.76
3509*	B. D. -19°5275.....	6.3	6.3	57 14.658	3.5245	0.0048	+0.0020	-19 14 50.35	4.955	0.496	.....	4	5.19
3510	B. D. -20°5381.....	7.6	7.6	18 57 38.243	+3.5505	-0.0051	.....	-20 16 25.10	+4.989	+0.500	.....	4	5.28
3511	C. P. D. -24°6583.....	8.1*	8.1	18 57 42.675	+3.6507	-0.0061	.....	-24 4 41.88	+4.995	+0.514	.....	4	5.79
3512*	C. P. D. -23°7360 (fol.)	7.0	7.0	58 12.152	3.6226	0.0059	-0.0013	-23 2 35.80	5.036	0.509	-0.069	4	5.24
3513*	B. D. -21°5233.....	6.9	6.9	58 21.381	3.5864	0.0055	+0.0051	-21 40 39.20	5.050	0.504	-0.076	4	5.20
3514	B. D. -21°5237.....	3.9	8.8	58 41.471	3.5918	0.0056	+0.0052	-21 53 16.52	5.078	0.505	-0.067	4	5.25
3515	B. D. +53°2168.....	9.1*	9.1	18 58 49.434	+1.3480	-0.0018	.....	+53 8 35.65	+5.089	+0.188	.....	2	7.38
3516	C. P. D. -26°6635.....	7.4	7.4	18 59 0.593	+3.7108	-0.0069	.....	-26 17 15.58	+5.104	+0.521	.....	4	5.80
3517	B. D. -15°5223.....	5.9	8.8	18 59 57.524	3.4379	-0.0042	-0.0006	-15 48 38.88	5.185	0.482	-0.013	4	5.06
3518	<i>τ</i> Sagittarii.....	3.4	8.3	19 0 41.812	3.7529	-0.0077	-0.0045	-27 49 1.05	5.247	0.526	-0.260	14	7.11
3519	<i>ζ</i> Aquilæ.....	3.0	7.9	0 48.816	2.7576	+0.0002	-0.0006	+13 42 52.78	5.257	0.386	-0.102	52 44	7.74 7.98
3520	<i>λ</i> Aquilæ.....	3.6	8.5	19 0 56.510	+3.1859	-0.0022	-0.0017	-5 1 57.45	+5.268	+0.446	-0.090	43	7.14
3521	B. D. -16°5153 (south)	5.9	5.9	19 1 7.152	+3.4514	-0.0045	.....	-16 22 56.22	+5.283	+0.483	.....	4	5.79
3522	C. P. D. -28°6781.....	6.2	6.2	1 13.081	3.7807	0.0081	+0.0002	-28 47 27.28	5.291	0.529	-0.013	4	5.24
3523*	B. D. -18°5206.....	6.4	6.4	1 17.182	3.5134	0.0051	+0.0036	-18 53 29.22	5.297	0.492	-0.056	4	5.18
3524	B. D. -17°5478.....	7.3	7.3	1 31.124	3.4761	0.0048	.....	-17 23 45.65	5.317	0.486	.....	4	5.25
3525*	C. P. D. -24°6603.....	6.2	6.2	19 2 8.024	+3.6677	-0.0069	+0.0012	-24 48 47.32	+5.368	+0.513	+0.001	4	5.80
3526	B. D. -19°5312.....	5.4	8.3	19 2 24.163	+3.5268	-0.0054	+0.0001	-19 26 48.25	+5.391	+0.493	0.000	4	5.02
3527*	C. P. D. -25°6700.....	6.8	6.8	2 39.267	3.6789	-0.0071	+0.0013	-25 14 12.02	5.412	0.514	-0.048	4	5.26
3528*	C. P. D. -23°7376.....	6.5	6.5	2 41.905	3.6278	-0.0065	-0.0012	-23 20 50.10	5.416	0.506	-0.058	4	5.79
3529	B. D. -22°4992.....	8.8*	8.8	3 30.569	3.6058	-0.0064	.....	-22 32 11.80	5.484	0.503	.....	4	5.24
3530	17 Lyrae.....	5.0	7.9	19 3 38.701	+2.2584	+0.0012	+0.0095	+32 20 38.61	+5.496	+0.314	+0.013	10	7.73
3531	<i>ε</i> Lyrae.....	5.1	8.0	19 3 43.940	+2.1406	+0.0012	-0.0006	+35 56 36.14	+5.503	+0.298	-0.006	11	6.41
3532	<i>π</i> Sagittarii.....	3.0	7.9	3 49.048	3.5703	-0.0060	-0.0004	-21 10 57.15	5.510	0.498	-0.040	32 35	8.23
3533*	B. D. -20°5415.....	6.3	6.3	3 54.293	3.5390	-0.0057	+0.0019	-19 57 41.32	5.518	0.493	-0.050	4	5.25
3534	C. P. D. -28°6805.....	8.0*	8.0	4 54.800	3.7748	-0.0086	.....	-28 41 48.18	5.602	0.526	.....	4	5.78
3535	B. D. -21°5292.....	6.4	6.4	19 6 29.547	+3.5852	-0.0065	+0.0021	-21 49 25.80	+5.735	+0.498	-0.013	4	5.02
3536	B. D. +38°3462.....	8.0*	8.0	19 7 1.066	+2.0581	+0.0011	.....	+38 23 50.16	+5.779	+0.284	.....	17 14	8.03 8.34
3537	C. P. D. -26°6685.....	5.9	5.9	7 4.162	3.6985	-0.0079	-0.0015	-26 4 26.95	5.783	0.513	-0.006	4	5.26
3538*	C. P. D. -27°6662.....	7.0	7.0	7 44.276	3.7250	-0.0084	+0.0030	-27 2 35.35	5.839	0.517	-0.062	5 4	6.17 5.82
3539	19 Lyrae.....	5.8	8.7	7 55.838	2.3008	+0.0012	-0.0009	+31 6 59.50	5.855	0.318	-0.007	13 12	5.17 5.24
3540	B. D. -22°5021.....	6.9	6.9	19 8 9.549	+3.5946	-0.0068	.....	-22 13 49.02	+5.874	+0.499	.....	4	5.24
3541	21 Aquilæ.....	5.1	8.0	19 8 40.155	+3.0250	-0.0015	-0.0002	+ 2 7 25.20	+5.917	+0.419	-0.006	13	5.20
3542	B. D. -17°5535.....	7.4	7.4	9 3.310	3.4752	0.0055	.....	-17 31 6.35	5.949	0.481	.....	4	5.28
3543	55 Draconis.....	6.2	6.2	9 23.368	0.2324	0.0174	+0.0002	+65 48 40.88	5.977	0.030	+0.029	11	7.86
3544	55 Draconis s. P.....	6.2	6.2	9 23.407	0.2324	0.0174	+0.0002	+65 48 41.40	5.977	0.030	+0.029	10	6.54
3545	<i>ψ</i> Sagittarii.....	4.9	7.8	19 9 24.596	+3.6788	-0.0080	+0.0030	-25 25 44.21	+5.979	+0.509	-0.035	32 35	8.52 8.49
3546*	C. P. D. -24°6650.....	6.2	6.2	19 9 27.781	+3.6496	-0.0076	+0.0072	-24 20 58.98	+5.983	+0.505	-0.079	4	5.80
3547	B. D. -20°5464.....	7.6	7.6	9 32.933	3.5355	-0.0063	.....	-19 57 33.30	5.990	0.489	.....	4	5.02
3548	B. D. -16°5220.....	7.5	7.5	9 41.882	3.4445	-0.0053	.....	-16 16 17.98	6.004	0.477	.....	4	5.26
3549	B. D. +37°3379.....	8.2*	8.2	10 8.913	2.0907	+0.0010	.....	+37 36 24.30	6.041	0.289	.....	2	7.38
3550	C. P. D. -28°6852.....	7.6	7.6	19 10 31.721	+3.7738	-0.0094	.....	-28 50 33.70	+6.072	+0.522	.....	4	5.79
3551	22 Aquilæ.....	5.4	8.3	19 11 34.072	+2.9687	-0.0012	+0.0006	+ 4 39 30.44	+6.159	+0.410	-0.014	10	7.46
3552	<i>d</i> Sagittarii.....	5.0	7.9	11 47.061	3.5134	0.0062	-0.0009	-19 7 50.96	6.177	+0.484	-0.019	87 78	7.31 7.42
3553	C. P. D. -28°6867.....	8.8*	8.8	12 16.394	3.7476	0.0093	.....	-27 59 20.95	6.217	+0.517	.....	4	5.28
3554	<i>δ</i> Draconis.....	3.2	8.1	12 32.065	0.0083	0.0230	+0.0173	+67 29 9.05	6.239	-0.001	+0.089	11 12	8.13 7.92
3555	<i>δ</i> Draconis s. P.....	3.2	8.1	19 12 32.142	+0.0083	-0.0230	+0.0173	+67 29 9.51	+6.239	-0.001	+0.089	18	9.55
3556	<i>θ</i> Lyrae.....	4.5	7.4	19 12 53.778	+2.0821	+0.0010	-0.0009	+37 57 20.19	+6.269	+0.286	-0.003	10	7.99
3557	<i>ω</i> Aquilæ.....	5.1	8.0	13 7.322	2.8161	-0.0003	-0.0001	+11 24 54.57	6.288	0.387	+0.011	47 43	8.47 8.60
3558	C. P. D. -23°7434.....	8.4*	8.4	13 14.715	3.6302	-0.0079	.....	-23 44 21.78	6.298	0.500	.....	4	5.25
3559	B. D. -15°5310.....	6.3	9.2	13 17.972	3.4292	-0.0054	-0.0071	-15 42 38.30	6.303	0.472	-0.266	4	5.80
3560	B. D. -21°5340.....	8.4	8.4	19 13 20.405	+3.5612	-0.0070	.....	-21 4 25.25	+6.306	+0.490	.....	4	5.02

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Num- ber of Observations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
3561*	B. D. -16°5272.....	7.2	7.2	19 13 25.927	+3.4382	-0.0055	+0.0014	-16 5 24.10	+6.314	+0.473	-0.024	4	5.30
3562*	C. P. D. -24°6689.....	7.0	7.0	14 36.725	3.6465	0.0083	-0.0015	-24 23 30.20	6.412	0.500	-0.142	4	5.03
3563	B. D. -22°5063.....	5.6	8.5	14 38.602	3.5991	0.0077	-0.0024	-22 35 17.92	6.414	0.494	+0.038	4	5.24
3564	κ Cygni.....	4.0	8.9	14 47.537	1.3811	0.0026	+0.0071	+53 11 3.11	6.427	0.188	+0.117	11	6.47
3565*	C. P. D. -26°6735.....	7.4	7.4	19 15 34.767	+3.6987	-0.0092	-0.0023	-26 21 9.45	+6.492	+0.508	-0.038	4	5.27
3566	159 B. Lyrae.....	6.7	6.7	19 15 37.466	+2.0048	+0.0008	-0.0003	+40 10 33.65	+6.496	+0.274	+0.009	10	7.77
3567	B. D. -19°5412.....	6.4	6.4	15 45.535	3.5180	-0.0067	+0.0002	-19 25 17.22	6.507	0.482	+0.005	4	5.25
3568	B. D. -18°5322.....	4.0	8.9	15 52.418	3.4839	-0.0063	-0.0017	-18 2 6.75	6.516	0.478	+0.020	4	5.80
3569	B. D. +38°3538.....	8.4*	8.4	15 54.628	2.0726	+0.0010	.....	+38 20 42.65	6.519	0.283	.....	2	7.38
3570	B. D. -16°5283.....	4.6	7.5	19 16 0.056	+3.4381	-0.0058	-0.0002	-16 8 33.08	+6.527	+0.471	-0.004	4	5.02
3571	B. D. -18°5325.....	6.0	6.0	19 16 0.989	+3.4950	-0.0065	+0.0066	-18 29 37.78	+6.528	+0.479	-0.093	4	5.30
3572*	B. D. -20°5516.....	6.9	6.9	16 45.253	+3.5526	-0.0073	+0.0008	-20 49 47.42	6.589	+0.487	-0.082	4	5.03
3573	B. D. +39°3731.....	7.0	7.0	17 4.546	+2.0235	+0.0008	.....	+39 44 19.74	6.616	+0.276	.....	14	8.34
3574	τ Draconis.....	4.6	7.5	17 28.486	-1.0958	-0.0566	-0.0318	+73 10 12.57	6.649	-0.154	+0.110	15	5.10
3575	τ Draconis s. p.	4.6	7.5	19 17 28.516	-1.0958	-0.0566	-0.0318	+73 10 12.67	+6.649	-0.154	+0.110	9	6.37
3576	C. P. D. -28°6911.....	5.9	8.8	19 18 16.181	+3.7436	-0.0102	-0.0004	-28 3 32.48	+6.714	+0.511	-0.002	4	5.24
3577	C. P. D. -24°6721.....	5.0	7.9	19 11.439	3.6508	0.0089	+0.0038	-24 42 9.72	6.790	0.498	-0.062	4	5.25
3578*	C. P. D. -24°6722.....	7.1	7.1	19 17.838	3.6482	0.0089	+0.0008	-24 36 27.72	6.799	0.498	+0.008	4	5.25
3579	C. P. D. -24°6723.....	5.6	8.5	19 26.524	3.6361	0.0087	-0.0015	-24 9 29.30	6.811	0.495	0.000	4	5.76
3580	b Aquilæ.....	5.2	8.1	19 20 12.395	+2.8117	-0.0005	+0.0494	+11 43 53.91	+6.873	+0.382	+0.630	10	6.69
3581	B. D. -22°5105.....	5.6	8.5	19 20 21.337	+3.5788	-0.0080	+0.0018	-21 58 27.75	+6.886	+0.488	+0.001	4	5.07
3582	δ Aquilæ.....	3.4	8.3	20 27.509	3.0084	0.0018	+0.0169	+2 54 56.25	6.894	0.409	+0.077	51 48	7.31 7.36
3583	B. D. -15°5348.....	5.7	8.6	20 29.701	3.4145	0.0059	+0.0016	-15 15 4.20	6.897	0.464	-0.002	4	5.27
3584	C. P. D. -25°6802.....	8.4*	8.4	20 37.095	3.6784	0.0095	.....	-25 46 53.12	6.907	0.501	.....	4	5.09
3585	186 G. Sagittarii.....	5.7	8.6	19 20 37.375	+3.7950	-0.0114	+0.0009	-29 56 27.36	+6.908	+0.517	-0.055	14	7.12
3586	B. D. -17°5633.....	8.0*	8.0	19 21 0.973	+3.4553	-0.0065	.....	-16 58 56.15	+6.940	+0.470	.....	4	5.31
3587	21 B. Vulpeculæ.....	6.2	9.1	21 17.334	2.4950	+0.0009	-0.0137	+24 43 51.70	6.962	0.338	-0.631	11	7.58
3588	B. D. +36°3550.....	7.0	7.0	21 46.118	2.0270	+0.0011	.....	+37 2 50.95	7.001	0.288	.....	12	8.29
3589	5 Vulpeculæ.....	5.6	8.5	21 51.242	2.6191	+0.0005	-0.0005	+19 53 57.10	7.008	0.355	-0.039	10	8.07
3590	B. D. -20°5561.....	8.3*	8.3	19 22 11.523	+3.5457	-0.0078	.....	-20 43 2.95	+7.036	+0.481	.....	4	5.25
3591	B. D. -19°5462.....	7.9	7.9	19 22 12.024	+3.5166	-0.0074	.....	-19 32 40.68	+7.037	+0.477	.....	4	5.09
3592	B. D. -18°5376.....	6.9	6.9	22 16.273	+3.4925	-0.0071	+0.0013	-18 33 40.32	7.043	+0.474	-0.008	4	5.07
3593	λ Ursæ Minoris.....	6.6	6.6	22 28.27	-67.718	-26.807	-0.103	+88 59 15.94	7.060	-9.244	+0.011	42 44	6.94 6.97
3594	λ Ursæ Minoris s.p.	6.6	6.6	22 28.67	-67.718	-26.807	-0.103	+88 59 15.68	7.060	-9.244	+0.011	41 39	7.68 7.71
3595	4 Cygni.....	5.2	8.1	19 22 32.994	+2.1597	+0.0011	+0.0005	+36 7 2.19	+7.066	+0.291	+0.006	10	8.12
3596	C. P. D. -27°6772.....	5.5	8.4	19 23 41.083	+3.7136	-0.0105	+0.0010	-27 11 24.45	+7.158	+0.503	-0.048	4	5.26
3597	B. D. -22°5127.....	9.1*	9.1	24 21.397	3.5940	-0.0088	.....	-22 42 10.78	7.213	0.486	.....	4	5.07
3598	6 Vulpeculæ.....	4.6	7.5	24 32.574	2.5052	+0.0008	-0.0093	+24 27 43.89	7.228	0.338	-0.113	13	5.66
3599	C. P. D. -24°6746.....	7.6	7.6	24 51.975	3.6312	-0.0094	.....	-24 9 35.28	7.255	0.490	.....	4	5.24
3600	B. D. -21°5410.....	6.0	6.0	19 24 57.949	+3.5635	-0.0083	+0.0005	-21 31 12.05	+7.263	+0.481	-0.015	4	5.27
3601	C. P. D. -25°6824.....	7.4	7.4	19 25 9.257	+3.6782	-0.0102	.....	-25 56 40.28	+7.279	+0.497	.....	4	5.25
3602	e Aquilæ.....	5.2	8.1	25 26.039	3.1375	0.0032	+0.0006	+2 59 50.10	7.301	0.423	-0.013	10	5.96
3603	B. D. -17°5655.....	8.7*	8.7	25 38.442	3.4738	0.0072	.....	-17 52 56.72	7.318	0.468	.....	4	5.09
3604*	C. P. D. -28°6948.....	7.4	7.4	25 49.073	3.7455	0.0114	+0.0046	-28 25 21.65	7.333	0.505	+0.018	4	5.07
3605	B. D. -19°5492.....	7.3	7.3	19 25 51.328	+3.5151	-0.0078	.....	-19 35 47.00	+7.335	+0.474	.....	4	5.26
3606	β Cygni.....	3.2	8.1	19 26 41.286	+2.4189	+0.0010	-0.0002	+27 44 58.61	+7.403	+0.324	-0.009	47 40	7.27 7.26
3607	B. D. +35°3658.....	6.0	6.0	27 9.706	+2.1701	+0.0011	.....	+36 1 5.09	7.442	+0.290	.....	13	8.47
3608	γ Cygni.....	3.9	8.8	27 11.047	+1.5114	-0.0022	+0.0021	+51 31 1.06	7.444	+0.201	+0.124	11	6.97
3609	225 B. Draconis.....	6.0	8.9	27 44.926	-3.5535	-0.1977	+0.0091	+79 24 8.76	7.490	-0.484	-0.037	10	8.07
3610	225 B. Draconis s. p.	6.0	8.9	19 27 44.987	-3.5535	-0.1977	+0.0091	+79 24 9.02	+7.490	-0.484	-0.037	10	6.53
3611	8 Cygni.....	4.8	7.7	19 28 3.285	+2.2290	+0.0012	-0.0002	+34 14 25.13	+7.514	+0.298	-0.003	10	7.66
3612	C. P. D. -24°6757.....	6.7	6.7	28 31.765	3.6255	-0.0097	+0.0003	-24 4 30.32	7.553	0.486	-0.002	4	5.07
3613	B. D. -16°5360.....	7.5	7.5	28 35.154	3.4411	-0.0070	.....	-16 35 25.38	7.557	0.461	.....	4	5.27
3614	B. D. -22°5156.....	8.5*	8.5	28 47.810	3.5778	-0.0090	.....	-22 13 2.12	7.574	0.480	.....	4	5.33
3615	μ Aquilæ.....	4.6	7.5	19 29 12.339	+2.9169	-0.0014	+0.0143	+7 9 58.78	+7.607	+0.390	-0.152	47 44	7.65 7.75
3616	C. P. D. -23°7530.....	7.9	7.9	19 29 38.049	+3.6103	-0.0096	.....	-23 31 41.05	+7.642	+0.483	.....	4	5.25
3617*	B. D. -21°5444.....	6.7	6.7	29 40.843	3.5465	0.0086	+0.0065	-20 59 47.52	7.646	0.474	-0.161	4	5.09
3618	C. P. D. -26°6797.....	8.0*	8.0	29 56.448	3.6778	0.0108	.....	-26 7 12.68	7.667	0.492	.....	4	5.07
3619	C. P. D. -24°6764.....	5.7	8.6	29 57.391	3.6465	0.0103	+0.0010	-24 56 16.92	7.668	0.488	-0.025	4	5.27
3620*	B. D. -19°5521.....	6.1	6.1	19 30 36.390	+3.4988	-0.0080	+0.0003	-19 4 23.98	+7.720	+0.467	-0.009	4	5.07
3621	h Sagittarii.....	4.7	7.6	19 30 37.412	+3.6502	-0.0104	+0.0053	-25 6 15.18	+7.722	+0.488	-0.025	27 31	8.05 8.25
3622	B. D. -18°5432.....	5.9	8.8	31 15.237	3.4834	-0.0078	+0.0009	-18 27 10.78	7.773	0.465	-0.026	4	5.27
3623	κ Aquilæ.....	5.0	7.9	31 30.709	3.2290	-0.0045	+0.0002	-7 14 59.04	7.794	0.430	-0.002	63 57	6.93 6.91
3624	B. D. -14°5479.....	5.6	8.5	31 56.247	3.3910	-0.0066	-0.0082	-14 31 17.60	7.828	0.451	-0.135	4	5.25
3625	B. D. +39°3831.....	7.9	7.9	19 32 11.674	+2.0475	+0.0009	.....	+39 48 23.21	+7.849	+0.272	.....	13	8.47

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
3626*	C. P. D. -28°6981.....	6.6	6.6	19 32 41.799	+3.7487	-0.0125	+0.0014	-28 49 58.95	+7.889	+0.500	+0.005	4	5.11
3627	C. P. D. -27°6807.....	8.2*	8.2	32 45.486	3.7145	-0.0119	.....	-27 35 48.95	7.894	0.494	.....	4	5.07
3628	ε Sagittæ.....	5.7	8.6	32 45.803	2.7145	-0.0001	+0.0010	+16 14 17.74	7.894	0.360	+0.013	10	7.54
3629	51 B. Cygni.....	6.8	9.7	33 21.491	1.9086	+0.0003	.....	+43 28 55.71	7.942	0.252	.....	11	7.99
3630	B. D. -17°5699 (<i>pr.</i>).....	7.6	7.6	19 33 27.458	+3.4506	-0.0076	.....	-17 8 13.75	+7.950	+0.458	.....	4	5.08
3631	B. D. -17°5699 (<i>fol.</i>).....	7.1	7.1	19 33 28.033	+3.4506	-0.0076	.....	-17 8 8.10	+7.950	+0.458	.....	4	6.16
3632	θ Cygni.....	4.6	7.5	33 45.548	1.6116	0.0015	-0.0029	+49 59 23.55	7.974	0.212	+0.247	12	5.43
3633	C. P. D. -23°7543.....	6.2	6.2	33 48.897	3.6094	0.0102	0.0000	-23 39 18.02	7.979	0.479	-0.030	4	5.09
3634	B. D. -22°5183.....	7.2	7.2	33 58.599	3.5748	0.0096	.....	-22 17 27.05	7.992	0.475	.....	4	5.29
3635	C. P. D. -23°7546.....	6.1	6.1	19 34 6.478	+3.6092	-0.0101	+0.0018	-23 39 26.98	+8.002	+0.479	-0.003	4	5.26
3636	B. D. -15°5420.....	6.8	6.8	19 34 11.550	+3.4097	-0.0070	.....	-15 23 43.62	+8.009	+0.452	.....	4	5.25
3637	σ Aquilæ.....	5.2	8.1	34 15.490	2.9615	-0.0018	-0.0001	+5 10 11.96	8.014	0.392	0.000	12 11	7.53 7.60
3638	B. D. -21°5479.....	8.1*	8.1	34 55.452	3.5437	-0.0092	.....	-21 4 7.38	8.068	0.470	.....	4	5.13
3639	54 Sagittarii.....	5.4	8.3	34 59.743	3.4352	-0.0075	+0.0046	-16 31 20.68	8.073	0.455	-0.054	20 21	7.57 7.66
3640	14 Cygni.....	5.4	8.3	19 36 11.156	+1.9506	+0.0005	+0.0019	+42 35 13.82	+8.169	+0.256	+0.024	11 10	7.83 8.07
3641	C. P. D. -26°6817.....	8.0*	8.0	19 36 15.460	+3.6855	-0.0118	.....	-26 40 39.58	+8.174	+0.487	.....	4	5.08
3642	C. P. D. -25°6870.....	6.6	6.6	36 18.584	3.6437	-0.0111	+0.0056	-25 5 32.78	8.179	0.482	0.000	4	5.09
3643	β Sagittæ.....	4.4	7.3	36 33.449	2.6938	0.0000	+0.0001	+17 14 39.69	8.198	0.355	-0.038	59 57	6.99 6.91
3644	e Sagittarii.....	5.1	8.0	36 48.007	3.4302	-0.0076	+0.0042	-16 21 29.52	8.218	0.452	-0.017	14	7.22
3645	B. D. -18°5460.....	8.5*	8.5	19 37 3.240	+3.4785	-0.0084	.....	-18 26 2.75	+8.238	+0.459	.....	4	5.32
3646	B. D. -19°5561.....	8.1*	8.1	19 37 22.625	+3.4999	-0.0087	.....	-19 20 52.05	+8.264	+0.461	.....	4	5.25
3647	B. D. -15°5444.....	5.5	8.4	37 51.405	3.4143	-0.0074	+0.0104	-15 42 6.98	8.302	0.450	-0.182	4	5.07
3648	B. D. +39°3876.....	6.8	6.8	38 13.534	2.0600	+0.0010	.....	+39 47 12.86	8.331	0.270	.....	14 13	8.34 8.32
3649	C. P. D. -23°7565.....	7.4	7.4	38 33.940	3.5903	-0.0104	.....	-23 5 39.38	8.358	0.474	.....	4	5.07
3650	10 Vulpeculæ.....	5.4	8.3	19 39 33.431	+2.4932	+0.0009	+0.0004	+25 31 57.28	+8.437	+0.326	+0.013	11	5.46
3651	228 G. Sagittarii.....	5.6	8.5	19 39 38.463	+3.8342	-0.0152	-0.0005	-32 8 58.31	+8.444	+0.504	-0.028	9 10	6.73
3652	C. P. D. -27°6835.....	7.6*	7.6	40 9.478	3.7029	-0.0127	.....	-27 30 31.98	8.484	0.486	.....	4	5.08
3653	f Sagittarii.....	5.1	8.0	40 31.718	3.5128	-0.0092	-0.0095	-20 0 5.64	8.514	0.460	-0.096	25 27	8.08 8.33
3654	15 Cygni.....	5.0	7.9	40 40.191	2.1571	+0.0012	+0.0057	+37 6 45.91	8.525	0.281	+0.034	9 10	7.79 7.85
3655	C. P. D. -26°6840.....	7.7	7.7	19 40 52.719	+3.6813	-0.0124	.....	-26 44 0.42	+8.542	+0.482	.....	4	5.29
3656	C. P. D. -24°6809.....	8.4*	8.4	19 41 6.828	+3.6099	-0.0110	.....	-23 58 43.50	+8.560	+0.472	.....	4	5.34
3657	B. D. -17°5746.....	7.1	7.1	41 24.310	3.4490	-0.0083	.....	-17 19 21.45	8.583	0.451	.....	4	5.25
3658	γ Aquilæ.....	2.8	7.7	41 30.337	2.8514	-0.0011	+0.0009	+10 22 10.61	8.591	0.372	-0.004	42 41	6.55 6.44
3659	δ Cygni.....	3.0	7.9	41 50.944	1.8705	+0.0001	+0.0050	+44 53 12.39	8.619	0.243	+0.037	10	7.21
3660	B. D. -18°5487.....	8.2*	8.2	19 42 5.978	+3.4794	-0.0089	.....	-18 38 59.85	+8.638	+0.454	.....	4	5.12
3661*	B. D. -21°5522.....	6.8	6.8	19 42 6.344	+3.5402	-0.0099	+0.0005	-21 12 13.40	+8.639	+0.462	-0.008	4	5.07
3662	δ Sagittæ.....	3.8	8.7	42 55.719	2.6745	+0.0002	+0.0001	+18 17 15.18	8.704	0.347	+0.009	42 41	7.73 7.71
3663*	C. P. D. -29°6176.....	6.1	6.1	42 57.262	3.7406	-0.0138	+0.0097	-29 2 5.52	8.706	0.487	-0.125	4	5.08
3664	B. D. +38°3758.....	5.7	5.7	43 54.789	2.1283	+0.0011	+0.0013	+38 9 35.85	8.781	0.275	-0.003	13	8.47
3665	C. P. D. -23°7590.....	7.6*	7.6	19 44 18.415	+3.5826	-0.0109	.....	-23 1 51.75	+8.812	+0.465	.....	4	5.07
3666	B. D. -21°5542.....	8.7*	8.7	19 44 25.802	+3.5546	-0.0104	.....	-21 53 37.92	+8.822	+0.462	.....	4	5.29
3667	ζ Sagittæ.....	5.0	7.9	44 32.270	2.6618	+0.0002	+0.0013	+18 53 29.15	8.830	0.345	+0.025	11	7.73 8.01
3668	B. D. -15°5479.....	8.1*	8.1	44 46.735	3.4088	-0.0080	.....	-15 40 27.62	8.849	0.442	.....	4	5.34
3669*	C. P. D. -27°6855.....	7.2	7.2	45 0.452	3.7023	-0.0133	+0.0031	-27 43 29.42	8.867	0.480	-0.023	4	5.08
3670	C. P. D. -25°6917.....	7.4	7.4	19 45 11.510	+3.6349	-0.0120	.....	-25 9 6.95	+8.882	+0.471	.....	4	5.07
3671	α Aquilæ.....	0.9	8.8	19 45 54.515	+2.8913	-0.0014	+0.0361	+8 36 18.17	+8.937	+0.374	+0.380	54 51	6.81 6.75
3672	B. D. -20°5735.....	8.4	8.4	46 1.573	3.5065	0.0097	.....	-19 57 1.55	8.947	0.454	.....	4	5.10
3673	B. D. -19°5631.....	6.0	6.0	46 23.333	3.4908	0.0095	0.0000	-19 17 55.78	8.975	0.451	-0.058	4	5.08
3674	B. D. -17°5776.....	7.9*	7.9	46 42.771	3.4407	0.0086	.....	-17 8 30.45	9.001	0.444	.....	4	5.08
3675	B. D. -21°5556.....	8.3*	8.3	19 46 59.170	+3.5382	-0.0104	.....	-21 19 23.92	+9.022	+0.457	.....	4	5.32
3676	η Aquilæ.....	var.	6.9	19 47 22.747	+3.0568	-0.0032	+0.0005	+0 44 56.40	+9.053	+0.394	-0.009	10	5.59
3677	B. D. -14°5578.....	6.4	6.4	47 27.852	+3.3887	0.0078	.....	-14 51 34.00	9.059	+0.437	.....	4	5.13
3678	B. D. -18°5520.....	8.7*	8.7	47 37.730	+3.4634	0.0091	.....	-18 10 0.48	9.072	+0.446	.....	4	5.08
3679	C. P. D. -24°6848.....	6.3	6.3	48 18.430	+3.6069	0.0118	-0.0094	-24 11 24.10	9.125	+0.465	-0.411	4	5.09
3680	ε Draconis.....	4.0	8.9	19 48 30.877	-0.1979	-0.0443	+0.0158	+70 0 48.11	+9.141	-0.030	+0.031	14 16	7.17 7.50
3681	ε Draconis s. p.	4.0	8.9	19 48 30.938	-0.1979	-0.0443	+0.0158	+70 0 48.27	+9.141	-0.030	+0.031	20	8.43
3682	B. D. +38°3801.....	8.0*	8.0	49 28.940	+2.1282	+0.0012	.....	+38 30 17.85	9.217	+0.272	.....	12	8.29
3683*	B. D. -19°5650.....	6.9	6.9	49 34.646	+3.4938	-0.0098	+0.0053	-19 33 17.82	9.224	+0.449	-0.036	4	5.08
3684	B. D. -21°5574.....	8.3*	8.3	49 37.563	+3.5461	-0.0108	.....	-21 46 8.95	9.228	+0.455	.....	4	5.08
3685	C. P. D. -26°6880.....	4.8	7.7	19 49 42.969	+3.6654	-0.0132	+0.0156	-26 33 52.12	+9.234	+0.471	+0.083	4	5.08
3686	β Aquilæ.....	3.9	8.8	19 50 24.096	+2.9446	-0.0020	+0.0023	+6 9 22.09	+9.288	+0.377	-0.483	50	6.97 7.00
3687	C. P. D. -23°7614.....	7.6	7.6	50 42.271	3.5828	0.0117	.....	-23 19 47.70	9.311	0.459	.....	4	5.32
3688	C. P. D. -27°6892.....	4.6	7.5	50 48.676	3.6866	0.0138	+0.0004	-27 26 5.60	9.320	0.472	-0.018	4	5.14
3689	φ Aquilæ.....	5.3	8.2	51 30.097	2.8393	0.0011	+0.0013	+11 9 29.65	9.373	0.362	+0.008	15	4.98
3690	g Sagittarii.....	5.0	7.9	19 52 16.793	+3.4051	-0.0085	+0.0004	-15 45 24.85	+9.433	+0.434	-0.090	13	6.82

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				<i>h m s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>° ' "</i>	<i>"</i>	<i>"</i>	<i>"</i>		1900+
3691	C. P. D. -26°6895....	5.0	7.9	19 52 51.719	+3.6586	-0.0135	+0.0018	-26 27 57.95	+ 9.478	+0.466	+0.029	4	5.12
3692	ϕ Cygni.....	4.8	7.7	53 2 6.00	1.5562	-0.0026	-0.0044	+52 10 24.09	9.492	0.196	-0.031	11 12	7.36 7.31
3693	B. D. -18°5553.....	8.1*	8.1	53 17 22.7	3.4598	-0.0096	.....	-18 13 45.04	9.511	0.440	.....	5	4.95
3694	B. D. -22°5296.....	6.8	6.8	53 38 6.17	3.5588	-0.0115	-0.0001	-22 28 56.05	9.538	0.452	+0.011	4	5.08
3695	γ Sagittæ.....	3.7	8.6	19 54 18.611	+2.6632	+0.0003	+0.0042	+19 13 14.41	+ 9.589	+0.337	+0.016	55 52	7.71 7.66
3696	B. D. -21°5588.....	8.1*	8.1	19 54 30.692	+3.5257	-0.0110	+0.0003	-21 7 46.82	+ 9.605	+0.447	-0.005	4	5.09
3697*	B. D. -20°5784.....	7.8	7.8	54 41 24.8	3.5021	0.0105	-0.0025	-20 7 49.50	9.618	0.444	+0.016	4	5.30
3698	C. P. D. -24°6879.....	8.8*	8.8	54 49 0.74	3.6056	0.0118	.....	-24 27 33.50	9.628	0.457	.....	4	5.14
3699	C. P. D. -23°7632.....	6.1	9.0	55 27 35.6	3.5694	0.0119	+0.0014	-23 0 43.40	9.677	0.452	-0.021	4	5.08
3700	B. D. -17°5832.....	7.4	7.4	19 55 48.927	+3.4331	-0.0093	.....	-17 8 32.72	+ 9.705	+0.434	.....	4	5.13
3701	63 Sagittarii.....	5.8	8.7	19 56 22.522	+3.3616	-0.0081	+0.0022	-13 54 50.59	+ 9.748	+0.424	+0.019	18	5.08
3702	ϵ Sagittarii.....	4.6	7.5	56 30 6.63	3.6928	-0.0148	+0.0027	-27 59 15.76	9.753	0.466	+0.010	19 22	7.97 8.20
3703	C. P. D. -26°6910.....	7.5*	7.5	56 56 4.74	3.6492	-0.0138	.....	-26 19 11.20	9.791	0.460	.....	4	5.07
3704	15 Vulpeculæ.....	4.7	7.6	56 58 9.23	2.4659	+0.0012	+0.0039	+27 28 38.02	9.794	0.309	+0.006	10	7.62
3705	B. D. -18°5578.....	7.6	7.6	19 57 8.033	+3.4697	-0.0101	.....	-18 49 22.10	+ 9.805	+0.437	.....	4	5.31
3706	269 G. Sagittarii.....	6.5	6.5	19 57 48.769	+3.5634	-0.0120	-0.0027	-22 52 33.87	+ 9.857	+0.448	+0.025	15	7.28
3707*	B. D. -15°5541.....	7.2	7.2	57 53 7.12	+3.3992	-0.0089	+0.0023	-15 41 35.18	9.864	+0.427	+0.028	4	5.08
3708	B. D. +39°4007.....	7.6	7.6	57 58 6.06	+2.0955	+0.0012	.....	+40 1 16.40	9.870	+0.262	.....	11	8.62
3709	Groombridge 3402.....	8.4	8.4	59 3 29.	-53.539	-25.899	+0.356	+88 49 34.21	9.949	-6.780	+0.092	10	8.01
3710	Groombridge 3402 s.p.	8.4	8.4	19 59 2.76	-53.539	-25.899	+0.356	+88 49 33.81	+ 9.949	-6.780	+0.092	10	6.54
3711	B. D. -21°5609.....	7.1	7.1	19 59 5.100	+3.5315	-0.0115	+0.0040	-21 35 44.52	+ 9.954	+0.443	-0.015	4	5.06
3712*	C. P. D. -27°6933.....	7.1	7.1	59 5 9.83	3.6659	0.0146	+0.0014	-27 5 45.20	9.955	0.460	-0.045	4	5.10
3713	τ Aquilæ.....	5.6	8.5	59 15 25.0	2.9301	0.0020	+0.0009	+ 6 59 44.93	9.967	0.366	+0.021	42	7.46 7.52
3714	B. D. -13°5569.....	6.4	6.4	19 59 52.805	3.3385	0.0079	+0.0002	-12 56 51.80	10.014	0.417	-0.044	4	5.08
3715	B. D. -20°5814.....	8.6*	8.6	20 0 38.609	+3.5027	-0.0111	.....	-20 25 39.68	+10.072	+0.437	.....	4	5.07
3716	B. D. -17°5860.....	7.8*	7.8	20 1 20.388	+3.4356	-0.0098	.....	-17 28 54.70	+10.125	+0.428	.....	4	5.16
3717	C. P. D. -24°6906.....	7.5	7.5	1 41 9.19	3.5895	0.0131	.....	-24 10 12.30	10.152	0.447	.....	4	5.14
3718	B. D. -19°5721.....	7.0	7.0	2 26 3.88	3.4705	0.0106	+0.0024	-19 5 35.08	10.208	0.431	-0.003	4	5.08
3719*	B. D. -15°5564.....	6.8	6.8	2 50 7.12	3.3871	0.0090	+0.0017	-15 19 7.00	10.238	0.421	-0.134	4	5.11
3720	B. D. -14°5648.....	7.6	7.6	20 2 58.813	+3.3703	-0.0087	.....	-14 32 39.50	+10.248	+0.418	.....	4	5.10
3721	B. D. -21°5629.....	7.3	7.3	20 3 42.848	+3.5097	-0.0116	+0.0025	-20 53 1.72	+10.304	+0.435	-0.081	4	5.08
3722*	C. P. D. -25°7008.....	7.2	7.2	4 5 1.17	3.6205	-0.0141	+0.0047	-25 34 36.78	10.331	0.448	-0.034	4	5.09
3723*	B. D. -19°5731.....	7.3	7.3	4 37 7.98	3.4812	-0.0110	-0.0004	-19 40 27.98	10.372	0.430	-0.111	4	5.14
3724	B. D. +39°4054.....	7.3	7.3	5 15 2.68	2.1309	+0.0015	.....	+39 30 19.42	10.419	0.261	.....	13	8.47
3725	C. P. D. -24°6922.....	8.1*	8.1	20 5 29.882	+3.5929	-0.0136	.....	-24 31 19.35	+10.437	+0.443	.....	4	5.15
3726	B. D. -22°5354.....	8.0*	8.0	20 5 31.328	+3.5391	-0.0124	.....	-22 14 49.40	+10.439	+0.436	.....	4	5.08
3727	B. D. -15°5576.....	8.6*	8.6	5 39 0.51	3.3949	-0.0094	.....	-15 47 31.82	10.448	0.418	.....	4	5.16
3728	δ^2 Cygni.....	4.8	7.7	5 42 7.40	2.2271	+0.0016	-0.0004	+36 32 42.76	10.453	0.272	+0.009	10 11	7.28 7.23
3729	θ Aquilæ.....	3.4	8.3	6 8 7.60	3.0946	-0.0043	+0.0021	- 1 7 4.66	10.485	0.380	+0.003	60 44	7.48 7.37
3730	B. D. -12°5664.....	6.4	6.4	20 6 25.439	+3.3286	-0.0081	-0.0010	-12 41 21.70	+10.506	+0.408	-0.024	4	5.14
3731	B. D. -13°5608.....	5.9	8.8	20 6 51.667	+3.3329	-0.0083	+0.0128	-12 54 38.15	+10.539	+0.409	-0.193	4	5.10
3732	C. P. D. -26°6950.....	8.9*	8.9	6 52 7.23	3.6389	-0.0149	.....	-26 29 22.52	10.540	0.447	.....	4	5.08
3733	20 Vulpeculæ.....	5.9	8.8	7 49 0.40	2.5149	+0.0012	-0.0003	+26 10 48.73	10.610	0.306	-0.016	10	7.52
3734	66 Aquilæ.....	5.6	8.5	8 4 0.74	3.0982	-0.0044	+0.0012	- 1 18 32.21	10.628	0.378	-0.024	14	5.29
3735	B. D. -22°5372.....	7.9	7.9	20 8 25.157	+3.5376	-0.0127	.....	-22 20 26.22	+10.654	+0.432	.....	4	5.14
3736	B. D. -18°5626.....	7.8*	7.8	20 8 43.420	+3.4486	-0.0108	.....	-18 23 48.80	+10.677	+0.421	.....	4	5.16
3737	B. D. -19°5753.....	8.0*	8.0	8 55 9.78	3.4729	0.0113	.....	-19 30 35.85	10.692	0.424	.....	4	5.08
3738	C. P. D. -27°6972.....	5.7	5.7	9 3 6.45	3.6564	0.0156	+0.0933	-27 19 53.92	10.701	0.445	-0.192	4	5.12
3739	B. D. -17°5913.....	7.8	7.8	9 31 7.10	3.4207	0.0102	.....	-17 9 15.08	10.736	0.417	.....	4	5.14
3740	B. D. -13°5619.....	7.1	7.1	20 9 32.653	+3.3472	-0.0087	.....	-13 41 13.08	+10.737	+0.408	.....	4	5.08
3741	ρ Aquilæ.....	5.0	7.9	20 9 38.984	+2.7723	-0.0005	+0.0036	+14 53 35.18	+10.745	+0.336	+0.051	10	7.14
3742	B. D. -15°5597.....	8.4*	8.4	9 45 5.48	3.3764	-0.0093	.....	-15 5 13.62	10.753	0.411	.....	4	5.08
3743	68 Draconis.....	5.7	8.6	9 56 7.06	0.9720	-0.0141	+0.0188	+61 46 33.18	10.767	0.115	+0.080	10	7.93
3744	30 Cygni.....	5.0	7.9	10 9 3.96	1.8846	+0.0003	+0.0014	+46 30 47.17	10.783	0.227	-0.009	10	7.60
3745	C. P. D. -23°7684.....	7.6*	7.6	20 10 15.231	+3.5695	-0.0136	.....	-23 48 56.32	+10.790	+0.434	.....	4	5.14
3746	B. D. +38°3963.....	7.0	7.0	20 10 18.507	+2.1651	+0.0016	.....	+38 51 18.40	+10.794	+0.262	.....	14	8.34
3747	B. D. -20°5870.....	7.9	7.9	10 27 1.79	3.4894	-0.0118	.....	-20 19 41.40	10.805	0.424	.....	4	5.16
3748	α^1 Cygni.....	4.0	8.9	10 28 9.17	1.8887	+0.0003	+0.0002	+46 26 16.77	10.807	0.228	+0.001	9 10	7.81 7.70
3749	B. D. -12°5680.....	6.4	6.4	10 50 6.42	3.3246	-0.0084	+0.0002	-12 38 35.38	10.833	0.403	-0.015	4	5.08
3750	B. D. -21°5669.....	8.4*	8.4	20 10 57.128	+3.5093	-0.0123	.....	-21 14 24.10	+10.841	+0.426	.....	4	5.16
3751	33 Cygni.....	4.3	7.2	20 11 4.454	+1.3897	-0.0057	+0.0073	+56 15 42.96	+10.850	+0.165	+0.082	12 11	7.75 7.76
3752	B. D. -15°5606.....	7.8	7.8	11 7 8.38	3.3837	0.0096	.....	-15 29 18.32	10.854	0.410	.....	4	5.14
3753	B. D. -18°5637.....	7.2	7.2	11 15 3.22	3.4534	0.0110	.....	-18 44 20.82	10.864	0.418	.....	4	5.08
3754	α^1 Capricorni.....	4.6	7.5	12 6 3.68	3.3273	0.0085	+0.0010	-12 49 2.02	10.926	0.402	+0.006	14	6.58
3755	δ Capricorni.....	6.0	8.9	20 12 8.946	+3.5277	-0.0128	+0.0023	-22 7 7.81	+10.929	+0.427	-0.034	14	7.13

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
3756	κ Cephei.....	4.4	7.3	20 12 15.716	-1.9426	-0.1671	+0.0038	+77 24 37.40	+10.938	-0.242	+0.026	16 18	8.28 8.51
3757	κ Cephei s. p.	4.4	7.3	12 15.823	-1.9426	-0.1671	+0.0038	+77 24 37.69	10.938	-0.242	+0.026	23	8.88
3758	α^2 Vulpeculæ.....	5.4	8.3	12 30.326	+2.5655	+0.0011	+0.0013	+24 21 47.13	10.955	+0.309	-0.020	10	7.70
3759	α^2 Capricorni.....	3.8	8.7	12 30.452	+3.3278	-0.0085	+0.0040	-12 51 16.98	10.956	+0.402	+0.005	55 53	7.21 7.19
3760	B. D. -21°5684.....	6.6	6.6	20 13 35.689	+3.5065	-0.0125	.....	-21 15 47.68	+11.035	+0.422	.....	4	5.08
3761	B. D. -19°5776.....	5.5	8.4	20 13 37.488	+3.4659	-0.0115	+0.0004	-19 25 49.85	+11.037	+0.417	-0.009	4	5.16
3762	C. P. D. -25°7042.....	7.0	7.0	13 46.195	3.6052	0.0149	.....	-25 32 15.25	11.048	0.434	.....	4	5.12
3763	B. D. -17°5936.....	8.0*	8.0	14 0.568	3.4302	0.0108	.....	-17 48 3.58	11.065	0.412	.....	4	5.08
3764	B. D. -13°5642.....	4.8	7.7	15 7.066	3.3303	0.0088	+0.0005	-13 4 25.25	11.146	0.399	-0.017	4	5.09
3765	B. D. -15°5626.....	6.2	6.2	20 15 9.499	+3.3720	-0.0096	+0.0029	-15 6 0.15	+11.149	+0.403	+0.002	4	5.15
3766	β Capricorni.....	3.2	8.1	20 15 23.652	+3.3718	-0.0096	+0.0024	-15 5 49.66	+11.166	+0.403	+0.001	85 83	6.89 6.87
3767	C. P. D. -23°7723.....	7.6*	7.6	15 34.468	3.5615	-0.0140	.....	-23 47 35.08	11.179	0.426	.....	4	5.10
3768	176 B. Cygni.....	6.1	6.1	16 37.712	2.1740	+0.0019	-0.0007	+39 5 15.84	11.256	0.257	-0.020	12 10	5.32 5.12
3769	B. D. -16°5581.....	8.4*	8.4	16 53.035	3.4068	-0.0095	.....	-16 50 21.95	11.274	0.406	.....	4	5.16
3770*	B. D. -14°5732.....	6.7	6.7	20 17 50.723	+3.3589	-0.0095	+0.0027	-14 34 37.02	+11.344	+0.398	+0.002	4	5.12
3771	B. D. -22°5419.....	8.1*	8.1	20 18 29.387	+3.5250	-0.0135	.....	-22 22 17.40	+11.390	+0.418	.....	4	5.08
3772	B. D. -13°5661.....	8.0*	8.0	18 32.858	3.3408	-0.0092	.....	-13 43 6.00	11.394	0.396	.....	4	5.10
3773	C. P. D. -26°6996.....	6.9	6.9	18 36.381	3.6123	-0.0157	+0.0027	-26 9 20.60	11.398	0.428	-0.026	4	5.15
3774	γ Cygni.....	2.3	7.2	18 38.348	2.1520	+0.0019	+0.0001	+39 56 11.39	11.401	0.253	-0.003	10	4.55
3775*	B. D. -19°5809.....	6.9	6.9	20 19 18.136	+3.4664	-0.0120	+0.0022	-19 45 26.85	+11.448	+0.410	+0.044	4	5.16
3776	296 G. Sagittarii.....	6.0	6.0	20 19 19.558	+3.6801	-0.0176	+0.0009	-28 59 14.71	+11.450	+0.436	+0.005	10	6.29
3777	B. D. +37°3916.....	5.7	5.7	19 59.930	2.2428	+0.0021	-0.0002	+37 9 12.50	11.498	0.263	-0.003	2	6.68
3778	C. P. D. -25°7071.....	8.3*	8.3	20 16.903	3.5887	-0.0153	.....	-25 16 21.00	11.519	0.423	.....	4	5.05
3779	B. D. -17°5975.....	7.1	7.1	20 50.096	3.4209	-0.0112	.....	-17 42 13.20	11.558	0.402	.....	4	5.15
3780	B. D. -21°5719.....	8.6*	8.6	20 21 2.269	+3.4942	-0.0129	.....	-21 8 8.90	+11.573	+0.411	.....	4	5.12
3781	π Capricorni.....	5.2	8.1	20 21 35.887	+3.4377	-0.0116	+0.0007	-18 32 22.17	+11.613	+0.404	-0.013	74 67	7.19 7.08
3782	C. P. D. -26°7009.....	6.6	6.6	22 1.662	3.6015	0.0159	+0.0005	-25 56 10.70	11.643	0.423	+0.026	4	5.62
3783	B. D. -14°5753.....	7.8*	7.8	22 28.425	3.3498	0.0096	.....	-14 19 36.65	11.675	0.392	.....	4	5.16
3784*	C. P. D. -24°6997.....	6.9	6.9	22 48.586	3.5627	0.0149	-0.0004	-24 18 46.50	11.699	0.417	-0.105	4	5.16
3785*	B. D. -16°5609.....	6.4	9.3	20 23 5.503	+3.3848	-0.0105	+0.0013	-16 4 20.90	+11.719	+0.396	+0.019	4	5.05
3786	ρ Capricorni.....	5.0	7.9	20 23 9.429	+3.4276	-0.0115	-0.0010	-18 8 39.06	+11.724	+0.400	-0.022	75 60	7.51 7.38
3787*	B. D. -21°5729.....	6.8	6.8	23 11.507	3.4935	0.0131	-0.0003	-21 13 57.82	11.726	0.408	.....	4	5.11
3788	B. D. -17°5992.....	6.8	6.8	23 17.470	3.4196	0.0114	+0.0007	-17 45 55.60	11.733	0.399	-0.038	4	5.08
3789	B. D. -18°5691.....	6.7	6.7	23 18.093	3.4287	0.0115	+0.0028	-18 12 13.42	11.734	0.400	-0.130	4	5.61
3790	B. D. -22°5442.....	6.2	6.2	20 23 39.309	+3.5256	-0.0140	+0.0009	-22 43 23.18	+11.759	+0.411	-0.026	4	5.16
3791	40 Cygni.....	5.4	8.3	20 23 51.888	+2.2238	+0.0022	-0.0016	+38 6 41.84	+11.774	+0.258	-0.071	9 10	6.84 6.83
3792	B. D. -13°5680.....	7.5	7.5	23 58.376	3.3205	-0.0091	.....	-12 55 25.10	11.781	0.387	.....	4	5.16
3793	B. D. -19°5831.....	6.1	9.0	24 9.944	3.4426	-0.0120	+0.0011	-18 54 51.00	11.795	0.401	-0.086	4	5.05
3794	69 Aquilæ.....	5.1	8.0	24 25.466	3.1330	-0.0054	+0.0042	-3 13 4.81	11.813	0.364	-0.021	10	7.09
3795	B. D. +38°4102.....	7.1	7.1	20 24 45.632	+2.1990	+0.0022	.....	+38 59 46.75	+11.837	+0.253	.....	2	6.68
3796	41 Cygni.....	4.1	7.0	20 25 18.540	+2.4498	+0.0020	+0.0007	+30 2 5.54	+11.876	+0.283	-0.004	10	6.64
3797	B. D. -15°5696.....	6.2	6.2	25 28.184	3.3686	-0.0102	-0.0028	-15 23 25.95	11.887	0.390	-0.060	4	4.70
3798	42 Cygni.....	5.9	8.8	25 31.491	2.2871	+0.0024	+0.0009	+36 7 15.29	11.891	0.264	-0.008	10	7.12
3799	B. D. -17°6007.....	7.8*	7.8	25 39.712	3.4109	-0.0113	.....	-17 28 28.72	11.901	0.395	.....	4	5.13
3800*	B. D. -17°6014.....	7.1	7.1	20 26 51.873	+3.3988	-0.0110	+0.0017	-16 56 50.92	+11.985	+0.392	-0.046	4	5.08
3801	C. P. D. -25°7104.....	6.2	6.2	20 26 55.169	+3.5782	-0.0158	+0.0007	-25 16 53.08	+11.989	+0.413	-0.054	4	5.09
3802	ω^1 Cygni.....	4.9	7.8	26 57.635	1.8569	+0.0003	+0.0009	+48 36 55.50	11.992	0.212	+0.004	10	7.56
3803	B. D. -21°5752.....	8.4*	8.4	27 37.878	3.4876	-0.0134	.....	-21 14 12.92	12.039	0.401	.....	4	5.15
3804	θ Cephei.....	4.3	7.2	27 54.285	1.0075	-0.0154	+0.0066	+62 39 28.71	12.058	0.112	-0.018	10	5.69
3805	C. P. D. -23°7796.....	8.5*	8.5	20 28 14.357	+3.5381	-0.0148	.....	-23 35 26.70	+12.081	+0.406	.....	4	5.16
3806	ϵ Delphini.....	4.0	8.9	20 28 26.120	+2.8659	-0.0013	+0.0006	+10 57 48.35	+12.095	+0.328	-0.026	68 52	7.03 6.72
3807	B. D. -14°5781.....	6.2	6.2	28 37.764	3.3392	0.0098	+0.0050	-14 3 52.32	12.108	0.382	+0.058	4	5.08
3808	B. D. -19°5852.....	7.6	7.6	28 42.693	3.4544	0.0126	.....	-19 44 21.05	12.114	0.396	.....	4	5.14
3809	B. D. -18°5714.....	8.6*	8.6	29 42.879	3.4199	0.0118	.....	-18 7 50.95	12.184	0.391	.....	4	4.69
3810	B. D. -17°6027.....	6.2	6.2	20 29 52.819	+3.3940	-0.0112	+0.0054	-16 52 9.22	+12.195	+0.388	-0.023	4	5.04
3811	212 H ¹ . Draconis.....	6.4	6.4	20 30 26.549	-0.2238	-0.0680	-0.0002	+72 11 34.65	+12.234	-0.031	-0.025	10	5.22
3812	212 H ¹ . Draconis s. p.	6.4	6.4	30 26.587	-0.2238	-0.0680	-0.0002	+72 11 34.30	12.234	-0.031	-0.025	10	6.01
3813	B. D. +37°3978.....	7.4	7.4	30 36.369	+2.2602	+0.0025	.....	+37 30 27.00	12.246	+0.255	.....	2	6.68
3814	ζ Delphini.....	4.7	7.6	30 37.986	+2.8021	-0.0004	+0.0026	+14 19 45.72	12.248	+0.318	+0.004	11	6.88
3815*	B. D. -21°5768.....	7.3	7.3	20 30 39.286	+3.4770	-0.0134	+0.0002	-20 55 50.95	+12.249	+0.396	+0.012	4	5.09
3816	B. D. -12°5778.....	7.0	7.0	20 30 45.568	+3.3112	-0.0093	.....	-12 43 37.75	+12.256	+0.377	.....	4	5.15
3817	B. D. -15°5732.....	6.9	6.9	31 44.819	3.3645	0.0106	+0.0046	-15 29 37.38	12.325	0.382	-0.043	4	5.61
3818	B. D. -22°5484.....	7.1	7.1	31 52.676	3.5150	0.0146	.....	-22 47 28.55	12.334	0.399	.....	4	5.05
3819*	C. P. D. -25°7135.....	6.3	6.3	31 55.053	3.5738	0.0163	+0.0063	-25 27 25.18	12.336	0.406	+0.007	4	5.17
3820*	C. P. D. -24°7037.....	6.7	6.7	20 32 9.908	+3.5537	-0.0157	+0.0046	-24 34 37.00	+12.353	+0.403	-0.015	4	5.09

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
3821	B. D. -11°5379.....	7.0	7.0	20 32 27.808	+3.2840	-0.0088	.....	-11 22 52.40	+12.374	+0.371	.....	4	4.64
3822*	B. D. -21°5782.....	7.3	7.3	32 37.441	+3.4829	0.0137	+0.0060	-21 20 32.20	12.385	+0.394	-0.060	4	5.11
3823	73 Draconis.....	5.2	8.1	32 49.780	-0.7433	0.1024	+0.0027	+74 36 42.97	12.399	-0.090	-0.012	11	5.89
3824	73 Draconis s. p.....	5.2	8.1	32 49.857	-0.7433	0.1024	+0.0027	+74 36 42.41	12.399	-0.090	-0.012	10	7.67
3825	β Delphini.....	3.7	8.6	20 32 51.613	+2.8057	-0.0004	+0.0074	+14 14 50.34	+12.401	+0.316	-0.037	10	6.64
3826	B. D. -15°5743.....	5.3	8.2	20 33 40.878	+3.3589	-0.0106	+0.0005	-15 18 19.58	+12.458	+0.378	-0.022	4	5.16
3827	B. D. -20°5995.....	9.2	9.2	33 48.309	3.4533	-0.0131	.....	-20 1 22.02	12.466	0.389	.....	4	5.12
3828	29 Vulpecula.....	4.8	7.7	34 3.324	2.6741	+0.0010	+0.0041	+20 51 0.94	12.483	0.300	-0.001	13	5.26
3829	13 G. Microscopii.....	5.5	8.4	34 3.507	3.7720	-0.0229	+0.0031	-33 47 7.21	12.483	0.425	+0.007	13	5.26
3830*	C. P. D. -24°7050.....	6.3	6.3	20 34 14.933	+3.5407	-0.0155	+0.0376	-24 8 19.18	+12.496	+0.398	+0.461	4	5.05
3831	κ Delphini.....	5.2	8.1	20 34 16.495	+2.8931	-0.0016	+0.0213	+ 9 44 2.68	+12.498	+0.325	+0.012	11	7.90
3832	ν Capricorni.....	5.3	8.2	34 21.456	3.4217	0.0122	-0.0020	-18 29 26.52	12.504	0.385	-0.021	15 17	6.49 6.84
3833*	B. D. -16°5663.....	5.9	8.8	34 55.391	3.3808	0.0112	-0.0032	-16 28 46.72	12.543	0.379	+0.082	4	5.12
3834	α Delphini.....	3.9	8.8	34 59.620	2.7821	0.0001	+0.0044	+15 33 33.71	12.547	0.311	-0.008	51 48	7.24 7.30
3835	B. D. -14°5815.....	7.6*	7.6	20 35 40.395	+3.3288	-0.0100	.....	-13 51 17.60	+12.594	+0.372	.....	4	5.04
3836	B. D. -21°5802.....	9.0*	9.0	20 36 18.286	+3.4838	-0.0141	.....	-21 37 51.78	+12.637	+0.389	.....	4	4.63
3837	B. D. -13°5736.....	7.8*	7.8	37 6.660	3.3197	-0.0099	.....	-13 26 53.72	12.691	0.369	.....	4	5.16
3838	α Cygni.....	1.3	9.2	38 1.327	2.0440	+0.0022	0.0000	+44 55 22.69	12.753	0.224	-0.001	11	5.40
3839	B. D. -12°5818.....	6.8	6.8	38 5.994	3.2915	-0.0092	.....	-12 0 1.60	12.758	0.365	.....	4	5.16
3840	B. D. -19°5905.....	7.3	7.3	20 38 11.694	+3.4414	-0.0131	.....	-19 42 9.55	+12.766	+0.381	.....	4	5.05
3841	δ Delphini.....	4.5	7.4	20 38 47.404	+2.8023	-0.0003	-0.0016	+14 42 56.90	+12.805	+0.309	-0.051	14 15	5.22 5.12
3842	B. D. -14°5839.....	7.0	7.0	38 59.702	3.3390	-0.0105	.....	-14 32 47.10	12.818	0.369	.....	4	5.16
3843	B. D. -11°5408.....	8.0*	8.0	39 9.813	3.2692	-0.0088	.....	-10 51 10.00	12.830	0.361	.....	4	5.12
3844	B. D. -16°5690.....	6.9	6.9	39 38.063	3.3694	-0.0113	.....	-16 9 38.72	12.861	0.372	.....	4	5.04
3845	B. D. +38°4208.....	7.7	7.7	20 40 5.951	+2.2407	+0.0031	.....	+39 5 54.80	+12.893	+0.245	.....	2	6.68
3846	ϕ Capricorni.....	4.3	7.2	20 40 10.536	+3.5632	-0.0169	-0.0042	-25 37 49.68	+12.898	+0.392	-0.159	14	5.53
3847	B. D. -22°5523.....	5.9	8.8	40 22.141	3.4829	-0.0145	+0.0015	-21 52 39.28	12.911	0.383	-0.016	4	4.70
3848*	C. P. D. -24°7074.....	7.2	7.2	40 24.495	3.5294	-0.0158	-0.0023	-24 5 16.00	12.913	0.388	-0.030	4	5.16
3849	B. D. -17°6081.....	8.0*	8.0	40 55.758	3.3945	-0.0121	.....	-17 31 33.78	12.948	0.372	.....	4	5.10
3850	γ Delphini (fol.).....	4.5	7.4	20 42 1.097	+2.7855	0.0000	-0.0023	+15 45 49.01	+13.021	+0.303	-0.204	10	6.92
3851	ϵ Cygni.....	2.6	7.5	20 42 10.037	+2.3977	+0.0030	+0.0288	+33 35 46.57	+13.030	+0.260	+0.322	10	6.62
3852	ϵ Aquarii.....	3.8	8.7	42 15.813	3.2488	-0.0084	+0.0019	- 9 51 42.71	13.037	0.354	-0.034	58 55	6.28 6.21
3853	3 Aquarii.....	4.6	7.5	42 27.680	3.1681	-0.0066	-0.0004	- 5 23 38.04	13.050	0.345	-0.039	10	6.71
3854	C. P. D. -23°7859.....	7.3	7.3	42 31.664	3.5050	-0.0153	+0.0029	-23 6 14.25	13.054	0.382	-0.170	4	5.06
3855	B. D. -17°6089.....	7.0	7.0	20 42 35.712	+3.3802	-0.0118	.....	-16 53 15.08	+13.059	+0.368	.....	4	5.07
3856	6 H. Cephei.....	4.6	7.5	20 42 52.118	+1.4993	-0.0046	-0.0083	+57 13 13.52	+13.077	+0.160	-0.232	11	6.42
3857	η Cephei.....	3.6	8.5	43 15.489	1.2133	0.0114	+0.0135	+61 27 7.21	13.103	0.128	+0.820	10	7.12
3858	C. P. D. -26°7110.....	5.8	8.7	43 21.452	3.5688	0.0174	+0.0001	-26 9 0.75	13.109	0.388	-0.030	4	5.15
3859	B. D. +52°2799.....	6.4	6.4	43 27.073	1.7489	0.0005	.....	+52 37 51.44	13.116	0.187	.....	5	8.47
3860	B. D. -21°5840.....	8.0*	8.0	20 43 28.320	+3.4602	-0.0141	.....	-20 59 42.85	+13.117	+0.376	.....	4	5.16
3861	λ Cygni.....	4.5	7.4	20 43 30.761	+2.3348	+0.0032	+0.0003	+36 7 23.37	+13.120	+0.252	-0.011	10	6.67
3862	B. D. -18°5783.....	6.4	6.4	43 40.257	3.4084	-0.0126	0.0000	-18 24 17.30	13.130	0.370	-0.035	4	4.70
3863	B. D. -11°5434.....	7.8*	7.8	43 57.072	3.2836	-0.0093	.....	-11 49 30.58	13.149	0.356	.....	4	5.16
3864	C. P. D. -25°7197.....	6.6	6.6	44 36.536	3.5491	-0.0170	-0.0057	-25 21 5.78	13.192	0.384	-0.125	4	5.14
3865	B. D. +51°2954.....	6.3	9.2	20 44 53.730	+1.7837	0.0000	.....	+52 2 30.60	+13.211	+0.190	.....	4	7.73
3866	B. D. -16°5709.....	8.0	8.0	20 45 0.250	+3.3582	-0.0113	.....	-15 52 58.20	+13.218	+0.362	.....	4	5.07
3867	B. D. -13°5773.....	6.0	6.0	45 11.149	3.3026	-0.0099	+0.0083	-12 54 55.68	13.230	0.356	-0.072	4	5.05
3868	B. D. +38°4239.....	7.7*	7.7	45 12.856	2.2739	+0.0033	.....	+38 29 39.20	13.232	0.244	.....	2	6.68
3869	B. D. +51°2957.....	6.3	9.2	45 41.463	1.8108	+0.0004	+0.0023	+51 32 21.62	13.263	0.192	+0.011	4	7.72
3870	B. D. -14°5866.....	8.0*	8.0	20 45 46.638	+3.3276	-0.0106	.....	-14 17 46.30	+13.270	+0.358	.....	4	5.16
3871	ω Capricorni.....	4.2	7.1	20 45 51.272	+3.5891	-0.0184	-0.0006	-27 17 35.14	+13.274	+0.386	-0.014	12	6.96
3872	B. D. -10°5526.....	7.4	7.4	46 21.533	3.2611	-0.0089	.....	-10 41 29.80	13.307	0.350	.....	4	5.16
3873	B. D. +50°3209.....	7.6	7.6	46 26.658	1.8640	+0.0010	.....	+50 24 40.35	13.313	0.197	.....	4	7.73
3874	B. D. +49°3386.....	6.8	6.8	46 28.436	1.8920	+0.0013	.....	+49 45 15.90	13.315	0.200	.....	4	7.72
3875	B. D. +50°3211.....	6.7	6.7	20 46 32.354	+1.8414	+0.0008	.....	+50 56 33.70	+13.319	+0.195	.....	5	8.47
3876	B. D. -20°6055.....	7.2	7.2	20 46 33.035	+3.4362	-0.0137	.....	-20 1 5.92	+13.319	+0.369	.....	4	5.66
3877	B. D. -21°5852.....	7.3	7.3	46 35.544	3.4679	0.0146	.....	-21 36 23.62	13.322	0.372	.....	4	4.71
3878*	C. P. D. -13°5779.....	7.0	7.0	46 59.995	3.3132	0.0103	-0.0002	-13 34 43.30	13.349	0.355	-0.090	4	5.11
3879	C. P. D. -24°7105.....	6.2	6.2	47 9.387	3.5193	0.0163	+0.0067	-24 9 28.58	13.359	0.376	-0.056	4	5.12
3880	μ Aquarii.....	4.8	7.7	20 47 15.661	+3.2365	-0.0083	+0.0025	- 9 21 30.62	+13.366	+0.346	-0.035	49 45	6.47 6.39
3881	B. D. -17°6112.....	8.8*	8.8	20 47 18.234	+3.3841	-0.0122	.....	-17 22 53.58	+13.369	+0.362	.....	4	5.10
3882	B. D. -12°5854.....	6.4	6.4	47 37.429	3.2829	0.0095	+0.0037	-11 57 5.30	13.389	0.351	+0.039	4	5.15
3883	B. D. -19°5950.....	7.1	7.1	47 50.300	3.4241	0.0134	.....	-19 29 28.18	13.404	0.365	.....	4	5.16
3884*	C. P. D. -24°7109.....	7.2	7.2	48 8.877	3.5280	0.0166	+0.0044	-24 39 28.48	13.424	0.376	-0.044	4	5.15
3885*	B. D. -19°5960.....	6.7	6.7	20 49 5.408	+3.4162	-0.0133	+0.0051	-19 10 22.08	+13.485	+0.363	-0.007	4	5.11

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
3886	19 Capricorni.....	5.9	8.8	20 49 8.839	+3.3994	-0.0128	-0.0038	-18 13 7.64	+13.488	+0.361	-0.019	14	6.39
3887	C. P. D. -23°7879.....	8.5*	8.5	49 15.330	+3.4966	0.0158	.....	-23 13 53.22	13.495	+0.371	.....	4	5.12
3888	B. D. -15°5833.....	7.7	7.7	49 21.689	+3.3493	0.0116	.....	-15 39 45.85	13.502	+0.355	.....	4	4.69
3889	76 Draconis.....	5.7	8.6	49 50.580	-4.0892	0.5377	+0.0163	+82 9 40.32	13.533	-0.445	+0.026	49 44	6.89 7.05
3890	76 Draconis s. p.....	5.7	8.6	20 49 50.618	-4.0892	-0.5377	+0.0163	+82 9 40.33	+13.533	-0.445	+0.026	60 56	7.87 7.80
3891	B. D. -13°5791.....	8.0*	8.0	20 50 9.633	+3.3042	-0.0102	.....	-13 14 55.55	+13.554	+0.349	.....	4	5.08
3892	32 Vulpeculae.....	5.2	8.1	50 17.828	2.5561	+0.0026	-0.0007	+27 40 38.25	13.563	0.269	-0.002	44 40	7.94 8.08
3893	B. D. +40°4354.....	6.5	6.5	50 38.172	2.2382	+0.0036	.....	+40 19 20.80	13.584	0.235	.....	2	6.68
3894	B. D. -22°5572.....	7.5	7.5	51 5.739	3.4765	-0.0154	.....	-22 23 20.00	13.614	0.366	.....	4	5.14
3895	7 Aquarii.....	5.7	8.6	20 51 29.776	+3.2465	-0.0087	-0.0010	-10 4 50.95	+13.640	+0.343	-0.014	14	5.97
3896	B. D. -16°5741.....	6.0	8.9	20 52 4.803	+3.3602	-0.0119	+0.0040	-16 24 58.60	+13.677	+0.352	+0.003	4	5.61
3897	220 H ¹ Draconis.....	5.6	8.5	52 7.860	-2.5700	0.3167	-0.0101	+80 10 38.05	13.680	-0.280	-0.030	10 11	8.05 8.02
3898	220 H ¹ Draconis s. p.....	5.6	8.5	52 7.853	-2.5700	0.3167	-0.0101	+80 10 38.16	13.680	-0.280	-0.030	10	7.99
3899	B. D. -12°5876.....	7.5	7.5	52 33.862	+3.2857	0.0097	.....	-12 20 24.25	13.708	+0.343	.....	4	5.06
3900	B. D. -15°5848.....	6.0	8.9	20 53 9.620	+3.3306	-0.0111	.....	-14 52 9.78	+13.746	+0.348	.....	4	4.68
3901	υ Cygni.....	4.0	8.9	20 53 26.646	+2.2342	+0.0038	+0.0004	+40 46 55.73	+13.764	+0.231	-0.024	10 9	6.63 6.42
3902	B. D. -20°6090.....	7.8*	7.8	53 40.680	3.4417	-0.0145	.....	-20 49 53.35	13.779	0.358	.....	4	5.08
3903	B. D. -11°5484.....	8.8*	8.8	53 48.381	3.2627	-0.0092	.....	-11 6 3.45	13.787	0.339	.....	4	4.71
3904	B. D. -19°5982.....	6.2	6.2	53 55.264	3.4143	-0.0136	+0.0012	-19 25 22.12	13.794	0.356	-0.023	4	5.14
3905	B. D. -13°5813.....	6.6	6.6	20 54 25.124	+3.3036	-0.0104	-0.0021	-13 26 25.38	+13.826	+0.342	-0.006	4	5.12
3906	γ Microscopii.....	4.7	7.6	20 55 9.533	+3.6905	-0.0234	+0.0006	-32 38 54.64	+13.873	+0.382	+0.004	11	6.01
3907	B. D. -18°5831.....	6.5	6.5	55 14.125	3.3842	-0.0128	-0.0020	-17 55 14.32	13.878	0.351	-0.010	4	5.17
3908	C. P. D. -23°7896.....	7.6*	7.6	55 36.743	3.4904	-0.0162	.....	-23 28 9.68	13.901	0.361	.....	4	5.06
3909	B. D. -14°5908.....	6.6	6.6	55 37.712	3.3110	-0.0107	-0.0003	-13 55 15.50	13.902	0.342	+0.003	4	5.08
3910	B. D. +38°4306.....	6.7	6.7	20 55 51.665	+2.3090	+0.0040	.....	+38 25 59.25	+13.917	+0.237	.....	2	6.68
3911	B. D. -21°5901.....	9.0*	9.0	20 56 22.754	+3.4548	-0.0151	.....	-21 43 27.72	+13.949	+0.356	.....	4	4.68
3912	f ¹ Cygni.....	4.9	7.8	56 25.429	2.0385	+0.0031	+0.0007	+47 7 49.97	13.952	0.207	+0.003	11	5.50
3913*	B. D. -12°5890.....	7.1	7.1	56 32.598	3.2777	-0.0098	-0.0036	-12 5 16.02	13.960	0.337	+0.027	4	5.12
3914	B. D. -16°5769.....	7.8	7.8	57 0.520	3.3444	-0.0117	.....	-15 51 56.88	13.989	0.343	.....	4	4.72
3915	B. D. -10°5578.....	6.8	6.8	20 57 10.897	+3.2477	-0.0090	.....	-10 23 22.42	+14.000	+0.333	.....	4	5.11
3916	η Capricorni.....	4.9	7.8	20 58 42.870	+3.4229	-0.0143	-0.0030	-20 15 1.38	+14.096	+0.349	-0.043	15	6.08
3917	θ Capricorni.....	4.2	7.1	21 0 19.648	3.3722	0.0128	+0.0057	-17 37 48.86	14.196	0.341	-0.066	76 72	6.48 6.44
3918	B. D. -11°5524.....	8.2*	8.2	0 26.314	3.2559	0.0093	.....	-11 0 38.25	14.202	0.329	.....	4	5.11
3919*	B. D. -20°6127.....	6.7	6.7	0 59.908	3.4256	0.0146	-0.0027	-20 34 47.90	14.237	0.346	-0.005	4	5.08
3920*	C. P. D. -23°7916.....	7.0	7.0	21 1 15.415	+3.4820	-0.0165	+0.0098	-23 33 1.15	+14.253	+0.351	+0.009	4	4.69
3921	Α Capricorni.....	4.6	7.5	21 1 16.794	+3.5187	-0.0178	-0.0022	-25 24 20.00	+14.254	+0.355	-0.051	10	7.72
3922	ε Cygni.....	3.9	8.8	1 17.534	2.1797	+0.0042	+0.0006	+43 31 44.07	14.255	0.217	-0.003	10	6.47
3923*	B. D. -14°5936 (pr.).....	7.3	7.3	1 37.218	3.3119	-0.0110	+0.0303	-14 19 22.25	14.275	0.333	0.000	4	5.17
3924*	B. D. -19°6024.....	6.8	6.8	1 49.904	3.4041	-0.0140	-0.0008	-19 29 18.10	14.288	0.342	-0.076	4	4.66
3925	B. D. -22°5612.....	7.7	7.7	21 2 10.146	+3.4646	-0.0160	.....	-22 44 12.60	+14.309	+0.348	.....	4	5.17
3926	61 Cygni (pr.).....	5.6	8.5	21 2 27.535	+2.3350	+0.0046	+0.3523	+38 15 52.48	+14.324	+0.232	+3.242	10	7.71
3927	B. D. -13°5857.....	8.2*	8.2	2 46.614	3.2927	-0.0105	.....	-13 17 0.55	14.346	0.329	.....	4	5.13
3928	B. D. -21°5933.....	5.3	8.2	2 49.991	3.4418	-0.0153	+0.0014	-21 35 43.85	14.349	0.344	-0.057	4	5.13
3929	f ² Cygni.....	4.9	7.8	3 9.362	2.0643	+0.0038	+0.0011	+47 14 47.28	14.369	0.204	-0.008	10	8.02
3930	B. D. -20°6140.....	6.9	6.9	21 3 33.651	+3.4220	-0.0147	+0.0009	-20 35 51.20	+14.394	+0.341	-0.007	4	5.08
3931	B. D. -21°5940.....	6.2	6.2	21 3 50.051	+3.4282	-0.0149	+0.0087	-20 57 28.95	+14.410	+0.341	-0.126	4	5.15
3932	υ Aquarii.....	4.5	7.4	4 8.904	3.2658	0.0098	+0.0063	-11 46 35.65	14.429	0.324	-0.013	65 62	6.47 6.36
3933	B. D. -16°5810.....	7.4	7.4	4 34.897	3.3397	0.0120	.....	-16 6 27.05	14.457	0.331	.....	4	5.12
3934	B. D. -17°6196.....	8.4*	8.4	4 46.898	3.3616	0.0128	.....	-17 21 50.82	14.468	0.333	.....	4	4.72
3935	C. P. D. -23°7931.....	8.0*	8.0	21 4 52.888	+3.4785	-0.0168	.....	-23 42 55.92	+14.474	+0.345	.....	4	5.13
3936	B. D. -18°5875.....	8.0*	8.0	21 4 54.430	+3.3860	-0.0136	.....	-18 44 13.60	+14.475	+0.335	.....	4	5.13
3937	B. D. -10°5619.....	8.0*	8.0	5 20.178	3.2453	0.0092	.....	-10 36 59.05	14.501	0.320	.....	4	5.08
3938*	B. D. - 9°5674.....	6.5	6.5	5 23.485	3.2310	0.0088	+0.0069	- 9 45 35.12	14.505	0.319	-0.052	4	5.15
3939	γ Equulei.....	4.8	7.7	5 28.737	2.9143	0.0012	+0.0036	+ 9 43 42.88	14.510	0.287	-0.161	11	5.47
3940	B. D. -15°5908.....	6.4	6.4	21 6 9.935	+3.3166	-0.0114	.....	-14 52 51.55	+14.551	+0.326	.....	4	5.18
3941	3 Piscis Australis.....	5.6	8.5	21 7 21.703	+3.5590	-0.0201	+0.0071	-28 1 38.07	+14.623	+0.348	-0.138	10	6.68
3942	98 B. Cephei.....	5.9	8.8	7 30.213	-1.1250	0.1763	+0.0083	+77 43 15.27	14.632	-0.118	+0.033	11	6.26
3943	98 B. Cephei s. p.....	5.9	8.8	7 30.350	-1.1250	0.1763	+0.0083	+77 43 15.45	14.632	-0.118	+0.033	9	6.08
3944	B. D. -20°6159.....	7.9	7.9	8 16.754	+3.4127	0.0148	.....	-20 30 1.82	14.678	+0.333	.....	4	4.65
3945*	B. D. -22°5630.....	6.9	6.9	21 8 17.099	+3.4517	-0.0161	+0.0036	-22 37 27.55	+14.678	+0.336	-0.022	4	5.14
3946	B. D. -13°5881.....	7.7	7.7	21 8 39.859	+3.2801	-0.0104	.....	-12 52 44.55	+14.701	+0.319	.....	4	4.70
3947	ζ Cygni.....	3.4	8.3	8 40.770	2.5516	+0.0039	-0.0002	+29 48 59.92	14.702	0.247	-0.059	64 48	7.09 6.78
3948*	B. D. -11°5553.....	6.5	6.5	8 52.155	3.2491	-0.0095	-0.0010	-11 1 6.28	14.713	0.315	-0.051	4	5.13
3949	G Cephei.....	5.6	8.5	9 15.448	1.5295	-0.0041	-0.0005	+59 34 31.03	14.736	0.145	+0.003	10	6.66
3950*	B. D. -17°6216.....	6.2	6.2	21 9 30.977	+3.3622	-0.0131	-0.0011	-17 45 31.02	+14.751	+0.325	.....	4	5.08

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
3951	B. D. -21°5974.....	5.4	8.3	21 9 56.440	+3.4202	-0.0152	+0.0005	-21 3 59.78	+14.777	+0.331	-0.002	4	5.15
3952	B. D. -16°5827.....	8.4*	8.4	10 1 5.48	3.3399	-0.0124	.....	-16 30 20.78	14.782	0.323	.....	4	5.18
3953	B. D. -15°5935.....	5.5	8.4	10 12 8.21	3.3240	-0.0119	+0.0012	-15 35 13.10	14.793	0.321	+0.008	4	5.08
3954*	B. D. -13°5891.....	6.5	6.5	10 30 9.67	3.2905	-0.0108	+0.0004	-13 37 1.25	14.810	0.317	-0.039	4	4.70
3955	τ Cygni.....	3.8	8.7	21 10 47.981	+2.3792	+0.0050	+0.0133	+37 37 8.80	+14.827	+0.227	+0.427	10	5.35
3956	α Equulei.....	4.1	7.0	21 10 49.539	+2.9963	-0.0028	+0.0038	+ 4 50 3.43	+14.829	+0.288	-0.087	44 40	7.56 7.46
3957	B. D. - 9°5700.....	6.8	6.8	10 55.712	3.2249	0.0088	-0.0008	- 9 37 51.85	14.835	0.310	-0.002	4	5.12
3958	4 Piscis Australis.....	4.8	7.7	11 52.562	3.6444	0.0242	+0.0045	-32 35 24.63	14.890	0.349	-0.034	10	6.58
3959	B. D. -18°5903.....	5.4	8.3	12 20 8.15	3.3694	0.0135	+0.0010	-18 24 14.45	14.918	0.322	-0.004	4	4.71
3960	B. D. -19°6065.....	8.4*	8.4	21 12 34.103	+3.3813	-0.0139	.....	-19 6 21.52	+14.931	+0.322	.....	4	5.08
3961	B. D. -18°5904.....	6.3	6.3	21 12 40.048	+3.3599	-0.0132	+0.0016	-17 52 53.40	+14.937	+0.320	+0.003	4	5.15
3962	B. D. -20°6178.....	6.7	6.7	12 45.993	3.4100	-0.0150	.....	-20 45 15.32	14.943	0.325	.....	4	5.18
3963	B. D. -13°5901.....	8.2*	8.2	13 5.846	3.2779	-0.0105	.....	-13 0 54.30	14.962	0.312	.....	4	5.10
3964	σ Cygni.....	4.3	7.2	13 29.220	2.3540	+0.0053	-0.0004	+38 58 31.82	14.984	0.222	-0.006	17	5.12
3965	B. D. -16°5840.....	6.9	6.9	21 13 41.709	+3.3367	-0.0125	+0.0014	-16 35 58.72	+14.996	+0.316	-0.023	4	5.14
3966	υ Cygni.....	4.4	7.3	21 13 48.310	+2.4637	+0.0050	+0.0016	+34 28 37.03	+15.003	+0.232	-0.021	11	5.34
3967	B. D. -14°5997.....	7.0	7.0	14 19.005	3.3000	-0.0113	.....	-14 26 21.88	15.033	0.312	.....	4	4.70
3968	B. D. -11°5578.....	8.0*	8.0	15 23.840	3.2556	-0.0099	.....	-11 46 23.42	15.095	0.306	.....	4	5.13
3969	B. D. -20°6192.....	8.6	8.6	15 44.723	3.3910	-0.0146	.....	-19 57 7.50	15.115	0.318	.....	4	4.70
3970	B. D. -15°5958.....	8.3	8.3	21 15 58.475	+3.3168	-0.0120	.....	-15 34 46.85	+15.128	+0.311	.....	4	5.18
3971	α Cephei.....	2.6	7.5	21 16 11.661	+1.4136	-0.0073	+0.0217	+62 9 42.87	+15.141	+0.129	+0.049	12 11	5.31 5.28
3972	B. D. - 9°5724.....	6.9	6.9	16 36.706	3.2226	-0.0089	+0.0017	- 9 45 7.80	15.165	0.301	-0.048	4	5.15
3973	B. D. - 8°5634.....	8.2*	8.2	16 36.876	3.1943	-0.0080	.....	- 7 56 44.88	15.165	0.298	.....	4	5.12
3974	ι Capricorni.....	4.3	7.2	16 40.800	3.3438	-0.0129	+0.0022	-17 15 37.00	15.168	0.312	+0.006	56 54	7.35 7.37
3975	1 Pegasi.....	4.2	7.1	21 17 27.718	+2.7662	+0.0020	+0.0072	+19 22 36.46	+15.213	+0.256	+0.058	44 40	7.05 6.90
3976	B. D. - 9°5728.....	6.2	6.2	21 17 34.659	+3.2217	-0.0089	-0.0029	- 9 44 43.85	+15.220	+0.299	-0.026	4	5.12
3977	B. D. -21°6007.....	5.5	8.4	18 29.373	+3.4095	0.0155	-0.0010	-21 16 37.92	15.272	+0.315	-0.127	4	4.70
3978	B. D. -13°5923.....	5.5	8.4	18 43.685	+3.2769	0.0108	+0.0059	-13 18 25.32	15.285	+0.303	+0.003	4	5.15
3979	B. A. C. 7504.....	7.4	7.4	19 34.93	-11.520	3.289	+0.022	+86 37 24.71	15.332	-1.088	+0.013	14	5.17
3980	B. A. C. 7504 s. p.	7.4	7.4	21 19 35.25	-11.520	-3.289	+0.022	+86 37 24.68	+15.332	-1.088	+0.013	10	6.26
3981	B. D. -17°6262.....	9.0*	9.0	21 19 37.934	+3.3327	-0.0127	.....	-16 49 56.40	+15.336	+0.306	.....	4	4.72
3982	B. D. -10°5668.....	5.8	8.7	19 50.658	3.2266	0.0091	+0.0010	-10 10 28.15	15.348	0.296	-0.174	4	5.17
3983	B. D. -14°6020.....	6.9	6.9	19 55.566	3.2979	0.0115	.....	-14 42 28.65	15.353	0.303	.....	4	5.09
3984	B. D. -18°5935.....	9.0*	9.0	20 41.176	3.3601	0.0138	.....	-18 34 51.50	15.395	0.307	.....	4	5.14
3985	B. D. -15°5983.....	8.2	8.2	21 20 56.551	+3.3123	-0.0121	.....	-15 40 39.70	+15.410	+0.302	.....	4	5.16
3986	ζ Capricorni.....	3.9	8.8	21 20 57.554	+3.4324	-0.0166	0.0000	-22 50 39.51	+15.411	+0.314	+0.023	17	6.56
3987	B. D. -11°5598.....	8.2*	8.2	21 2.578	3.2438	-0.0097	.....	-11 20 57.80	15.415	0.296	.....	4	4.70
3988	B. D. -19°6098.....	7.8	7.8	21 26.195	3.3741	-0.0144	.....	-19 29 24.28	15.437	0.307	.....	4	5.18
3989	B. D. -21°6020.....	6.0	8.9	21 34.666	3.4102	-0.0158	-0.0018	-21 37 43.72	15.445	0.310	-0.027	4	4.71
3990	69 Cygni.....	5.8	8.7	21 21 41.775	+2.4484	+0.0058	+0.0002	+36 14 7.35	+15.452	+0.221	-0.011	10	5.93
3991	B. D. -20°6211.....	7.5*	7.5	21 21 50.764	+3.3929	-0.0151	.....	-20 38 39.32	+15.460	+0.308	.....	4	5.09
3992	B. D. - 7°5565.....	7.5	7.5	22 5.212	3.1834	0.0078	.....	- 7 26 50.40	15.473	0.288	.....	4	5.16
3993*	B. D. -12°5998.....	6.8	6.8	22 13.367	3.2544	0.0101	+0.0033	-12 5 57.28	15.481	0.294	-0.094	4	5.13
3994*	B. D. -12°6005.....	6.5	6.5	22 49.075	3.2523	0.0100	-0.0045	-12 0 7.50	15.514	0.294	+0.008	4	5.13
3995	b Capricorni.....	4.6	7.5	21 23 1.420	+3.4181	-0.0162	+0.0095	-22 14 33.14	+15.525	+0.309	-0.008	13	6.56
3996	B. D. -13°5941.....	9.0*	9.0	21 23 56.684	+3.2698	-0.0107	.....	-13 12 29.18	+15.576	+0.294	.....	4	4.71
3997	B. D. -14°6039.....	7.1	7.1	24 11.678	3.2890	0.0114	.....	-14 27 44.32	15.590	0.295	.....	4	4.72
3998	B. D. -19°6107.....	6.5	6.5	24 22.883	3.3710	0.0145	+0.0017	-19 35 3.50	15.600	0.302	-0.034	4	4.64
3999	B. D. - 9°5758.....	9.0*	9.0	24 37.946	3.2057	0.0086	.....	- 9 2 21.38	15.614	0.286	.....	4	5.17
4000	B. D. -14°6047.....	6.8	6.8	21 25 11.757	+3.2920	-0.0116	+0.0005	-14 43 44.05	+15.645	+0.294	-0.038	4	5.15
4001	B. D. -17°6302.....	8.4*	8.4	21 25 41.743	+3.3383	-0.0133	.....	-17 41 55.32	+15.671	+0.297	.....	4	5.13
4002	g Cygni.....	5.3	8.2	25 45.501	2.2067	+0.0065	+0.0044	+46 5 59.43	15.676	0.194	+0.104	10	8.08
4003	B. D. -10°5696.....	7.4	7.4	26 13.385	3.2216	-0.0091	.....	-10 10 53.30	15.701	0.285	.....	4	5.16
4004	β Aquarii.....	3.1	8.0	26 17.718	3.1598	-0.0071	+0.0010	- 6 0 39.63	15.705	0.280	-0.007	54 42	7.58 7.34
4005*	B. D. -12°6026.....	6.8	6.8	21 26 56.464	+3.2590	-0.0105	+0.0037	-12 42 29.48	+15.740	+0.287	-0.110	4	5.18
4006	B. D. -15°6005.....	9.0	9.0	21 27 11.554	+3.2924	-0.0117	.....	-14 54 33.12	+15.754	+0.290	.....	4	4.70
4007	β Cephei.....	3.3	8.2	27 22.292	0.7887	-0.0350	+0.0022	+70 7 18.61	15.763	0.064	+0.005	20 19	8.12 8.14
4008	β Cephei s. p.	3.3	8.2	27 22.348	0.7887	-0.0350	+0.0022	+70 7 18.75	15.763	0.064	+0.005	16	8.65
4009	358 B. Cygni.....	6.2	6.2	28 5.822	2.0130	+0.0055	.....	+52 10 42.59	15.802	0.174	.....	10	5.76
4010	B. D. -16°5885.....	7.1	7.1	21 28 8.776	+3.3181	-0.0127	+0.0019	-16 38 27.75	+15.805	+0.291	-0.107	4	4.66
4011	B. D. -20°6237.....	5.8	8.7	21 29 14.120	+3.3783	-0.0152	-0.0018	-20 31 48.08	+15.864	+0.294	+0.024	4	4.71
4012	B. D. -20°6238.....	7.0	7.0	29 17.575	3.3809	-0.0153	+0.0006	-20 41 45.05	15.866	0.295	-0.064	4	5.15
4013	B. D. - 9°5770.....	8.0*	8.0	29 22.610	3.2094	-0.0088	.....	- 9 31 52.02	15.870	0.279	.....	4	5.11
4014	ρ Cygni.....	4.2	7.1	30 13.109	2.2555	+0.0071	-0.0026	+45 8 58.52	15.916	0.193	-0.095	10	4.78
4015	72 Cygni.....	5.0	7.9	21 30 41.441	+2.4372	+0.0068	+0.0098	+38 5 8.80	+15.941	+0.209	+0.091	13	5.05

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
4016	B. D. -19°6131.	7.6	7.6	21 30 48.123	+3.3487	-0.0141	.....	-18 50 20.10	+15.947	+0.289	.....	4	5.18
4017	B. D. -14°6080.	8.0*	8.0	31 16.786	3.2723	0.0112	.....	-13 54 21.48	15.971	0.282	.....	4	5.18
4018	B. D. -20°6251.	4.7	7.6	31 28.971	3.3646	0.0148	+0.0006	-19 54 50.45	15.983	0.289	-0.002	4	5.13
4019	B. D. -10°5714.	7.3	7.3	31 32.898	3.2236	0.0094	.....	-10 37 20.35	15.986	0.277	.....	4	4.65
4020	B. D. -12°6044.	7.6*	7.6	21 31 56.255	+3.2420	-0.0100	.....	-11 54 32.68	+16.007	+0.278	.....	4	4.72
4021	ξ Aquarii.	4.8	7.7	21 32 25.788	+3.1894	-0.0082	+0.0075	- 8 18 9.54	+16.033	+0.272	-0.024	59 42	7.14 6.89
4022*	B. D. -15°6027.	7.1	7.1	32 45.076	3.2923	-0.0120	+0.0007	-15 21 37.25	16.050	0.281	-0.011	4	5.13
4023	74 Cygni.	5.1	8.0	32 56.377	2.4020	+0.0072	-0.0004	+39 57 51.68	16.060	0.203	+0.008	11	5.30
4024	B. D. -22°5735.	7.7	7.7	33 29.541	3.3972	-0.0163	.....	-22 9 52.42	16.088	0.289	.....	4	5.18
4025*	B. D. -11°5640.	6.2	6.2	21 34 5.707	+3.2272	-0.0096	+0.0001	-11 1 37.42	+16.120	+0.273	-0.010	4	5.18
4026	B. D. -13°5985.	8.4*	8.4	21 34 13.203	+3.2567	-0.0107	.....	-13 4 29.50	+16.126	+0.275	.....	4	5.13
4027	γ Capricorni.	3.8	8.7	34 33.186	3.3163	-0.0130	+0.0131	-17 6 50.39	16.143	0.280	-0.021	65 61	7.11 7.04
4028	B. D. - 9°5809.	8.0*	8.0	35 37.386	3.2054	-0.0088	.....	- 9 35 45.00	16.199	0.268	.....	4	4.70
4029	13 H. Cephei.	5.6	8.5	35 51.374	1.8600	+0.0040	+0.0005	+57 2 11.92	16.211	0.153	+0.002	10	7.44
4030	B. D. -14°6102.	5.3	8.2	21 36 6.638	+3.2753	-0.0115	-0.0083	-14 29 38.02	+16.224	+0.273	-0.308	4	4.73
4031	41 Capricorni.	5.3	8.2	21 36 19.221	+3.4168	-0.0174	+0.0067	-23 42 54.90	+16.235	+0.285	-0.093	12 11	6.30 6.10
4032	B. D. -12°6065.	8.0*	8.0	36 35.978	3.2488	0.0105	.....	-12 42 18.32	16.249	0.270	.....	4	4.71
4033	κ Capricorni.	4.8	7.7	37 4.573	3.3460	0.0144	+0.0100	-19 19 18.98	16.273	0.278	-0.007	17	5.50
4034	B. D. -21°6076 (pr.).	8.6*	8.6	37 23.179	3.3693	0.0155	.....	-20 52 4.30	16.289	0.279	.....	4	5.18
4035	B. D. -15°6046.	6.0	8.9	21 37 37.093	+3.2787	-0.0117	-0.0003	-14 51 24.42	+16.301	+0.271	+0.027	4	5.17
4036	B. D. -20°6270.	6.2	6.2	21 37 38.001	+3.3566	-0.0149	+0.0058	-20 4 38.05	+16.302	+0.278	-0.022	4	5.08
4037	B. D. -18°5998.	8.2*	8.2	38 0.736	3.3222	0.0135	.....	-17 50 37.95	16.321	0.274	.....	4	5.13
4038	B. D. - 8°5719.	8.2*	8.2	38 7.281	3.1795	0.0079	.....	- 7 51 55.98	16.327	0.262	.....	4	4.72
4039	B. D. -15°6052.	5.9	8.8	38 33.359	3.2826	0.0119	-0.0021	-15 12 27.10	16.349	0.270	-0.001	4	4.72
4040*	B. D. -16°5933.	8.4*	8.4	21 38 49.263	+3.3000	-0.0126	+0.0053	-16 25 43.32	+16.362	+0.271	-0.026	4	4.73
4041	ι Piscis Australis.	4.4	7.3	21 38 59.531	+3.5826	-0.0260	+0.0029	-33 28 55.54	+16.371	+0.294	-0.086	12	4.46
4042	ε Pegasi.	2.5	7.4	39 16.478	2.9446	0.0005	+0.0017	+ 9 24 59.87	16.385	0.240	-0.001	44 39	7.45 7.41
4043	B. D. -10°5755.	9.0*	9.0	39 31.050	3.2172	0.0094	.....	-10 40 20.10	16.397	0.263	.....	5	4.53
4044	B. D. - 9°5827.	7.1	7.1	39 35.308	3.2009	0.0088	+0.0034	- 9 29 45.32	16.401	0.261	+0.017	4	5.16
4045	B. D. - 9°5829.	5.3	8.2	21 39 40.381	+3.2014	-0.0088	+0.0007	- 9 32 29.50	+16.405	+0.261	-0.002	4	5.12
4046	κ Pegasi.	4.3	7.2	21 40 6.966	+2.7121	+0.0047	+0.0024	+25 11 7.79	+16.427	+0.220	+0.002	10	6.14
4047	11 Cephei.	4.8	7.7	40 27.574	0.8711	-0.0338	+0.0240	+70 51 4.22	16.444	0.066	+0.097	10	5.24
4048	11 Cephei s. p.	4.8	7.7	40 27.637	0.8711	-0.0338	+0.0240	+70 51 3.98	16.444	0.066	+0.097	8	6.36
4049	B. D. - 9°5833.	6.2	6.2	40 56.204	3.2031	-0.0088	+0.0008	- 9 44 13.92	16.468	0.259	+0.010	4	5.14
4050	λ Capricorni.	5.4	8.3	21 41 9.175	+3.2317	-0.0100	+0.0016	-11 49 37.26	+16.479	+0.261	-0.011	14	6.23
4051	B. D. -12°6088.	7.0	7.0	21 41 18.682	+3.2361	-0.0102	+0.0018	-12 9 21.80	+16.487	+0.262	-0.132	4	4.70
4052	δ Capricorni.	3.0	7.9	41 31.499	3.2984	-0.0127	+0.0179	-16 34 53.78	16.497	0.266	-0.295	65 56	7.91
4053	B. D. -18°6013.	7.6*	7.6	42 12.455	3.3278	-0.0140	.....	-18 40 33.92	16.531	0.268	.....	4	4.72
4054	B. D. - 6°5827.	6.2	6.2	42 22.435	3.1568	-0.0071	.....	- 6 22 48.58	16.540	0.253	.....	5	4.52
4055	ν Cephei.	4.5	7.4	21 42 33.748	+1.7305	+0.0019	-0.0003	+60 39 33.65	+16.549	+0.135	0.000	10	6.75
4056	π² Cygni.	4.3	7.2	21 43 5.848	+2.2123	+0.0086	+0.0004	+48 50 48.58	+16.575	+0.174	-0.003	10	4.81
4057	B. D. -14°6128.	9.4	9.4	43 6.700	3.2685	-0.0115	.....	-14 37 45.15	16.576	0.261	.....	4	5.11
4058	B. D. -15°6075.	7.7	7.7	43 45.031	3.2811	-0.0121	.....	-15 35 7.70	16.607	0.261	.....	4	5.17
4059	B. D. -13°6027.	6.1	6.1	44 16.835	3.2472	-0.0107	-0.0001	-13 11 19.92	16.633	0.257	+0.012	4	5.15
4060*	B. D. -17°6389.	6.5	6.5	21 44 43.015	+3.3042	-0.0131	-0.0004	-17 18 39.72	+16.654	+0.261	-0.054	4	5.13
4061	B. D. -12°6104.	8.2*	8.2	21 44 49.161	+3.2278	-0.0099	.....	-11 48 33.02	+16.660	+0.255	.....	4	4.72
4062	B. D. -21°6102.	8.0*	8.0	45 15.656	3.3570	-0.0191	.....	-21 0 28.15	16.681	0.270	.....	4	4.72
4063	B. D. - 9°5854.	6.8	6.8	45 15.874	3.1955	-0.0086	.....	- 9 26 53.95	16.681	0.251	.....	4	4.71
4064	14 Pegasi.	5.0	7.9	45 25.202	2.6498	+0.0063	+0.0020	+29 42 30.65	16.689	0.207	-0.027	15	4.30
4065	B. D. - 8°5753.	7.8*	7.8	21 45 45.098	+3.1811	-0.0081	.....	- 8 22 31.30	+16.705	+0.249	.....	5	4.48
4066	B. D. -19°6176.	6.1	6.1	21 46 8.708	+3.3274	-0.0143	+0.0094	-19 5 20.58	+16.724	+0.260	-0.086	4	5.18
4067	B. D. -16°5961.	9.0*	9.0	47 5.466	3.2924	0.0128	.....	-16 43 39.78	16.769	0.256	.....	4	5.18
4068	B. D. -17°6397.	8.0*	8.0	47 11.733	3.3036	0.0133	.....	-17 32 8.42	16.774	0.257	.....	4	5.16
4069*	B. D. -11°5690.	6.8	6.8	47 39.704	3.2146	0.0094	+0.0001	-11 1 53.38	16.796	0.249	-0.041	4	5.14
4070	μ Capricorni.	5.2	8.1	21 47 50.853	+3.2543	-0.0111	+0.0211	-14 1 20.58	+16.805	+0.252	+0.009	54 49	7.11 7.22
4071	B. D. -14°6150.	8.0	8.0	21 47 55.883	+3.2628	-0.0115	.....	-14 39 36.42	+16.809	+0.252	.....	4	4.71
4072	B. D. -10°5785.	6.5	6.5	48 15.255	3.2107	-0.0093	+0.0001	-10 46 56.98	16.825	0.247	+0.001	4	4.66
4073	16 Pegasi.	5.0	7.9	48 30.659	2.7271	+0.0054	+0.0001	+25 27 16.81	16.837	0.209	+0.001	44 42	7.23 7.21
4074	B. D. - 4°5568.	5.9	8.8	48 57.017	3.1324	-0.0062	+0.0028	- 4 44 42.92	16.858	0.240	-0.091	5	4.53
4075*	B. D. -15°6092.	7.0	7.0	21 49 33.418	+3.2752	-0.0121	-0.0023	-15 43 46.98	+16.886	+0.250	-0.018	4	5.18
4076	B. D. -12°6126.	8.0*	8.0	21 49 38.940	+3.2312	-0.0102	.....	-12 26 34.02	+16.891	+0.247	.....	4	5.20
4077	Bradley 2868.	6.9	6.9	49 44.773	2.0162	+0.0079	+0.0032	+55 44 27.66	16.895	0.150	+0.007	10	5.57
4078	B. D. - 7°5669.	7.4	7.4	50 57.473	3.1657	-0.0076	.....	- 7 27 14.75	16.952	0.239	.....	4	5.15
4079	B. D. -10°5795.	8.4*	8.4	51 5.258	3.1988	-0.0089	.....	-10 3 36.95	16.958	0.242	.....	4	5.14
4080	B. D. -18°6037.	6.6	6.6	21 51 15.614	+3.3088	-0.0138	.....	-18 22 18.35	+16.966	+0.250	.....	4	4.70

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Obser- vations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
4081	13 Cephei.....	6.0	6.0	21 51 31.363	+2.0134	+0.0083	-0.0009	+56 8 15.45	+16.979	+0.149	-0.004	13	5.27
4082	B. D. -19°6190.....	7.7	7.7	51 32.671	3.3263	-0.0146	.....	-19 39 54.60	16.979	0.251	.....	4	4.66
4083	158 B. Cephei.....	6.6	6.6	51 36.875	0.7160	-0.0479	+0.0107	+73 13 45.55	16.983	0.048	+0.029	11	5.51
4084	158 B. Cephei s. p.	6.6	6.6	51 36.991	0.7160	-0.0479	+0.0107	+73 13 45.15	16.983	0.048	+0.029	10	6.76
4085	B. D. -15°6103.....	7.2	7.2	21 52 20.935	+3.2696	-0.0120	.....	-15 35 55.72	+17.016	+0.245	.....	4	4.73
4086	B. D. - 9°5876.....	6.6	6.6	21 52 21.182	+3.1848	-0.0084	.....	- 9 2 25.44	+17.017	+0.238	.....	5	4.53
4087	B. D. -12°6134.....	8.4*	8.4	52 55.041	3.2294	0.0103	.....	-12 34 42.62	17.043	0.241	.....	4	5.19
4088	B. D. - 6°5878.....	6.2	6.2	52 58.847	3.1450	0.0068	+0.0019	- 5 53 55.55	17.046	0.234	-0.112	4	5.18
4089	134 G. Capricorni.....	6.2	6.2	53 9.251	3.3513	0.0160	+0.0010	-21 39 36.24	17.054	0.249	-0.004	17	4.86 5.07
4090	B. D. -11°5726.....	7.6	7.6	21 54 25.095	+3.2050	-0.0092	.....	-10 47 24.40	+17.112	+0.236	.....	4	5.14
4091	η Piscis Aust. (mean)...	5.4	8.3	21 55 5.588	+3.4554	-0.0217	+0.0011	-28 56 0.09	+17.142	+0.254	+0.002	10	5.32
4092	η Piscis Aust. (brighter)...	5.8	8.7	55 5.68	3.4554	0.0217	.....	-28 56 0.4	17.142	0.254	.....	1	4.79
4093*	B. D. -13°6074.....	7.1	7.1	55 41.800	3.2380	0.0108	-0.0011	-13 30 16.25	17.170	0.236	-0.107	4	5.13
4094	B. D. -12°6150.....	8.7*	8.7	55 50.722	3.2166	0.0098	.....	-11 49 24.20	17.177	0.234	.....	4	4.65
4095	28 Aquarii.....	5.8	8.7	21 55 58.011	+3.0708	-0.0038	+0.0001	+ 0 7 28.97	+17.182	+0.223	-0.006	10	4.31
4096	B. D. -15°6119.....	8.0	8.0	21 56 2.073	+3.2542	-0.0115	.....	-14 48 22.65	+17.185	+0.237	.....	4	4.73
4097	B. D. -16°5998.....	7.1	7.1	56 6.053	3.2708	-0.0123	.....	-16 5 34.05	17.188	0.238	.....	4	4.72
4098	20 Pegasi.....	5.7	8.6	56 13.019	2.9182	+0.0014	+0.0036	+12 38 27.27	17.193	0.212	-0.056	11	4.70
4099	B. D. -10°5812.....	8.0*	8.0	56 30.968	3.1977	-0.0090	.....	-10 21 22.26	17.207	0.232	.....	5	4.54
4100	B. D. -18°6056.....	6.4	6.4	21 56 41.675	+3.2999	-0.0137	+0.0075	-18 22 59.92	+17.215	+0.239	-0.063	4	5.18
4101	B. D. -17°6422 (pr.)...	7.2	7.2	21 56 58.047	+3.2871	-0.0131	0.000+	-17 26 48.00	+17.227	+0.238	+0.01+	4	5.18
4102	B. D. -17°6422 (fol.)...	7.2	7.2	56 58.385	3.2871	0.0131	0.000+	-17 26 45.82	17.227	0.238	+0.01+	4	5.18
4103	16 Cephei.....	5.2	8.1	57 49.211	0.8912	0.0376	-0.0150	+72 42 13.28	17.265	0.058	-0.160	14 13	5.18 5.28
4104	16 Cephei s. p.	5.2	8.1	57 49.232	0.8912	0.0376	-0.0150	+72 42 13.53	17.265	0.058	-0.160	10	5.78
4105	B. D. - 7°5688.....	5.6	8.5	21 58 0.924	+3.1557	-0.0072	+0.0024	- 7 0 19.85	+17.274	+0.226	+0.009	4	5.13
4106	o Aquarii.....	4.7	7.6	21 58 8.514	+3.1036	-0.0050	+0.0009	- 2 38 16.89	+17.279	+0.222	-0.011	10	7.06
4107	B. D. - 8°5789.....	8.4*	8.4	58 15.793	3.1668	0.0077	.....	- 7 56 32.82	17.285	0.226	.....	4	5.08
4108	B. D. -13°6085.....	7.4	7.4	58 43.043	3.2344	0.0107	.....	-13 30 11.95	17.305	0.231	.....	4	4.72
4109	B. D. -16°6012.....	8.0*	8.0	58 45.360	3.2740	0.0126	.....	-16 38 47.72	17.306	0.234	.....	4	4.73
4110	B. D. - 9°5908.....	7.2	7.2	21 59 13.665	+3.1812	-0.0083	.....	- 9 12 0.48	+17.327	+0.226	.....	4	4.73
4111*	B. D. - 5°5697.....	8.0*	8.0	21 59 21.700	+3.1349	-0.0063	-0.0014	- 5 19 28.36	+17.333	+0.222	-0.024	5	4.53
4112	ν Pegasi.....	4.9	7.8	22 0 38.233	3.0192	0.0017	+0.0073	+ 4 34 12.11	17.389	0.212	+0.092	10	6.79
4113	α Aquarii.....	3.2	8.1	0 38.890	3.0817	0.0041	+0.0009	- 0 48 20.08	17.389	0.216	-0.006	44 42	5.16 5.00
4114	B. D. -15°6139.....	7.1	7.1	0 46.726	3.2551	0.0118	.....	-15 22 56.68	17.395	0.228	.....	4	5.18
4115*	B. D. - 6°5908.....	7.5	7.5	22 0 50.592	+3.1403	-0.0065	+0.0066	- 5 50 33.45	+17.398	+0.220	-0.057	4	5.18
4116	ε Aquarii.....	4.4	7.3	22 1 2.268	+3.2420	-0.0112	+0.0025	-14 21 17.51	+17.406	+0.227	-0.060	57 52	7.87 7.80
4117	B. D. -20°6362.....	7.4	7.4	1 54.773	3.3128	-0.0148	.....	-20 3 24.58	17.444	0.230	.....	4	5.14
4118	20 Cephei.....	5.4	8.3	1 58.064	1.8187	+0.0059	+0.0016	+62 17 52.27	17.446	0.123	+0.064	12	5.87
4119*	B. D. -11°5756.....	7.0	7.0	1 58.475	3.1995	-0.0092	+0.0023	-10 56 4.98	17.447	0.223	-0.015	4	4.72
4120	ε Pegasi.....	4.0	8.9	22 2 21.450	+2.7683	+0.0061	+0.0220	+24 51 24.46	+17.463	+0.191	+0.018	42 38	8.30 8.45
4121*	B. D. - 6°5912.....	7.9*	7.9	22 2 27.217	+3.1449	-0.0067	-0.0010	- 6 19 1.50	+17.467	+0.217	-0.023	4	4.74
4122	μ Piscis Australis.....	4.6	7.5	2 33.105	3.5057	0.0260	+0.0057	-33 28 34.79	17.472	0.243	-0.040	11 10	5.61 5.78
4123	B. D. -18°6075.....	7.8	7.8	2 45.905	3.2890	0.0136	.....	-18 19 18.95	17.481	0.227	.....	4	4.72
4124	B. D. -17°6451.....	7.4	7.4	2 59.301	3.2724	0.0128	.....	-17 1 55.80	17.490	0.226	.....	5	4.53
4125	B. D. -12°6185.....	7.9*	7.9	22 3 13.177	+3.2121	-0.0099	.....	-12 6 7.38	+17.500	+0.221	.....	4	5.18
4126	B. D. -19°6227.....	5.7	8.6	22 3 29.981	+3.2964	-0.0140	-0.0002	-19 0 32.12	+17.512	+0.226	-0.016	4	5.18
4127	B. D. - 8°5817.....	7.0	7.0	4 9.698	3.1711	0.0080	+0.0036	- 8 40 37.82	17.540	0.217	+0.043	4	5.14
4128	B. D. - 9°5927.....	8.7*	8.7	4 13.020	3.1782	0.0082	.....	- 9 17 26.42	17.543	0.217	.....	4	5.14
4129	B. D. - 8°5818.....	6.6	6.6	4 13.299	3.1636	0.0076	+0.0055	- 8 1 37.58	17.543	0.216	-0.451	4	4.72
4130	B. D. -15°6152.....	8.9*	8.9	22 4 23.968	+3.2528	-0.0119	.....	-15 36 45.42	+17.551	+0.222	.....	4	4.73
4131	27 Pegasi.....	5.6	8.5	22 4 47.663	+2.6592	+0.0089	-0.0045	+32 41 1.07	+17.567	+0.179	-0.072	11 9	5 10 5.04
4132	B. D. - 4°5623.....	6.1	6.1	5 9.062	3.1216	-0.0057	+0.0016	- 4 23 3.10	17.582	0.212	-0.056	4	4.72
4133	θ Pegasi.....	3.7	8.6	5 9.460	3.0082	-0.0011	+0.0184	+ 5 42 21.71	17.582	0.203	+0.034	46 39	7 67 7.49
4134	B. D. -11°5770.....	7.0	7.0	5 11.780	3.2007	-0.0094	+0.0031	-11 18 44.80	17.584	0.217	+0.029	5	4.53
4135	B. D. -12°6196.....	5.4	8.3	22 5 16.733	+3.2093	-0.0098	+0.0018	-12 3 24.48	+17.587	+0.217	+0.005	4	4.74
4136	B. D. - 4°5625.....	6.1	9.0	22 5 20.958	+3.1257	-0.0059	+0.0042	- 4 45 30.55	+17.590	+0.212	+0.002	4	5.17
4137	π Pegasi.....	4.4	7.3	5 32.691	2.6616	+0.0089	-0.0010	+32 41 14.88	17.598	0.178	-0.023	14	5.08
4138	28 Pegasi.....	6.4	6.4	5 46.536	2.8336	+0.0048	-0.0021	+20 29 11.43	17.608	0.190	-0.013	11	5.58
4139*	B. D. -11°5777.....	7.4	7.4	6 57.080	3.2018	-0.0094	+0.0008	-11 33 31.90	17.657	0.214	+0.014	4	5.15
4140	B. D. -14°6229.....	6.2	6.2	22 7 2.247	+3.2381	-0.0112	+0.0012	-14 41 10.60	+17.661	+0.216	-0.046	4	5.15
4141	B. D. -18°6084.....	8.7*	8.7	22 7 5.508	+3.2841	-0.0137	.....	-18 31 15.20	+17.663	+0.219	.....	4	4.72
4142	B. D. -11°5778.....	8.5*	8.5	7 19.392	3.1941	-0.0091	.....	-10 55 11.35	17.672	0.212	.....	4	4.72
4143	ζ Cephei.....	3.6	8.5	7 23.024	2.0745	+0.0115	+0.0013	+57 42 30.19	17.675	0.135	+0.007	12	6.14
4144	B. D. - 7°5727.....	7.4	7.4	7 27.450	3.1493	-0.0070	.....	- 6 57 47.90	17.678	0.209	.....	4	4.72
4145	B. D. - 5°5732.....	6.4	6.4	22 7 31.385	+3.1298	-0.0060	-0.0042	- 5 12 49.64	+17.681	+0.208	-0.027	5	4.54

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				^h ^m ^s	^s	^s	^s	[°] ['] ^{''}	^{''}	^{''}	^{''}		1900+
4146	B. D. -13°6130.....	8.7*	8.7	22 7 38.968	+3.2236	-0.0106	.....	-13 31 8.02	+17.686	+0.214	.....	4	4.73
4147	24 Cephei.....	5.0	7.9	7 53.166	1.1568	-0.0226	+0.0061	+71 50 55.19	17.696	0.072	+0.004	10	6.84
4148	24 Cephei s. p.	5.0	7.9	7 53.209	1.1568	-0.0226	+0.0061	+71 50 55.21	17.696	0.072	+0.004	12	5.49
4149	B. D. -12°6209.....	7.1	7.1	8 5.638	3.2104	-0.0099	+0.0017	-12 25 13.08	17.704	0.212	-0.023	4	4.74
4150	λ Cephei.....	5.2	8.1	22 8 6.799	+2.0324	+0.0111	+0.0029	+58 55 15.95	+17.705	+0.132	-0.006	12 11	5.46 5.61
4151	λ Piscis Australis.....	5.4	8.3	22 8 38.772	+3.4079	+0.0209	+0.0018	-28 15 44.86	+17.727	+0.225	-0.003	10	5.94
4152*	B. D. - 5°5738.....	7.3	7.3	8 39.091	3.1264	-0.0059	+0.0051	-4 56 46.50	17.727	0.205	-0.015	4	5.16
4153	B. D. -19°6249.....	7.1	7.1	8 51.420	3.2959	-0.0145	.....	-19 44 35.22	17.735	0.216	.....	4	5.14
4154*	B. D. -16°6046.....	6.6	6.6	9 13.376	3.2540	-0.0122	-0.0018	-16 18 18.62	17.750	0.213	-0.313	4	4.71
4155	1 H. Lacertæ.....	4.6	7.5	22 9 35.102	+2.5670	+0.0112	+0.0042	+39 13 8.09	+17.765	+0.166	+0.005	10	6.22
4156	B. D. -17°6478.....	8.5*	8.5	22 10 50.242	+3.2679	-0.0131	.....	-17 42 11.15	+17.815	+0.211	.....	4	4.72
4157	B. D. -12°6227.....	7.2	7.2	11 25.162	3.2036	0.0097	.....	-12 8 47.75	17.839	0.206	.....	4	4.74
4158	B. D. -13°6148.....	5.6	8.5	11 26.796	3.2168	0.0104	+0.0017	-13 19 47.94	17.840	0.206	+0.004	5	4.53
4159	B. D. -15°6180.....	7.1	7.1	11 33.013	3.2373	0.0114	.....	-15 9 18.30	17.844	0.208	.....	4	4.74
4160	θ Aquarii.....	4.3	7.2	22 11 33.493	+3.1610	-0.0075	+0.0074	-8 16 52.23	+17.844	+0.202	-0.019	64 63	6.08 6.03
4161	B. D. - 9°5948.....	6.1	6.1	22 11 35.805	+3.1746	-0.0082	-0.0035	-9 32 17.50	+17.846	+0.203	-0.009	4	5.15
4162	B. D. - 6°5960.....	5.8	8.7	11 53.262	3.1350	0.0063	-0.0003	-5 53 10.75	17.858	0.200	+0.020	4	5.14
4163	B. D. -18°6096.....	8.1*	8.1	12 5.502	3.2771	0.0137	.....	-18 39 41.30	17.865	0.209	.....	4	4.71
4164	B. D. -10°5879.....	8.5*	8.5	12 31.834	3.1815	0.0086	.....	-10 14 26.58	17.883	0.202	.....	4	4.74
4165	B. D. -14°6255.....	6.1	6.1	22 13 38.765	+3.2193	-0.0106	+0.0049	-13 48 20.22	+17.927	+0.202	-0.019	4	4.69
4166	B. D. -17°6491.....	7.4	7.4	22 14 9.025	+3.2567	-0.0127	.....	-17 12 12.74	+17.946	+0.204	.....	5	4.53
4167	B. D. - 4°5655.....	7.8	7.8	14 37.435	3.1197	0.0055	.....	-4 34 2.98	17.965	0.194	.....	4	4.75
4168	B. D. -12°6243.....	8.3*	8.3	14 55.815	3.2059	0.0099	.....	-12 43 23.72	17.976	0.199	.....	4	4.74
4169	ρ Aquarii.....	5.4	8.3	14 56.257	3.1589	0.0075	+0.0006	-8 19 23.34	17.977	0.196	-0.005	17 16	5.27 5.36
4170	B. D. - 9°5963.....	7.4	7.4	22 15 34.763	+3.1683	-0.0080	.....	-9 16 3.38	+18.002	+0.196	.....	4	5.16
4171	47 Aquarii.....	5.4	8.3	22 16 5.363	+3.3100	-0.0159	-0.0014	-22 5 57.96	+18.021	+0.204	-0.087	10	5.75
4172	B. D. - 6°5972.....	7.5	7.5	16 9.814	3.1415	-0.0066	+0.0026	-6 44 46.42	18.024	0.192	+0.004	4	5.19
4173	γ Aquarii.....	4.0	8.9	16 29.525	3.0916	-0.0041	+0.0082	-1 53 27.83	18.037	0.189	+0.009	42 40	5.26 5.17
4174	31 Pegasi.....	4.9	7.8	16 35.714	2.9516	+0.0020	+0.0003	+11 42 5.57	18.041	0.180	+0.005	11	7.94
4175	32 Pegasi.....	4.9	7.8	22 16 42.232	+2.7650	+0.0082	+0.0004	+27 49 37.01	+18.045	+0.167	-0.002	10	7.46
4176	B. D. -11°5817.....	7.9*	7.9	22 16 53.299	+3.1890	-0.0091	.....	-11 21 6.58	+18.052	+0.194	.....	4	4.69
4177	2 Lacertæ.....	4.7	7.6	16 53.607	2.4698	+0.0140	+0.0019	+46 1 58.97	18.052	0.149	0.000	11	8.24
4178	B. D. - 4°5663.....	8.1*	8.1	17 26.205	3.1152	-0.0053	.....	-4 14 28.35	18.073	0.189	.....	4	4.72
4179	B. D. -15°6208.....	7.1	7.1	17 58.104	3.2314	-0.0115	.....	-15 27 6.66	18.093	0.195	.....	5	4.55
4180	B. D. - 7°5765.....	6.1	6.1	22 18 17.462	+3.1499	-0.0071	-0.0002	-7 42 0.72	+18.105	+0.190	+0.005	4	4.74
4181	B. D. -10°5904.....	7.3	7.3	22 18 50.224	+3.1803	-0.0087	.....	-10 42 10.92	+18.125	+0.190	.....	4	4.74
4182	B. D. - 5°5780.....	5.8	8.7	18 54.378	3.1257	-0.0058	+0.0017	-5 20 34.22	18.128	0.187	0.000	4	5.15
4183	B. D. -14°6276.....	5.9	8.8	19 5.744	3.2147	-0.0106	+0.0032	-14 2 10.02	18.135	0.192	+0.016	4	5.18
4184	B. D. -18°6114.....	8.1*	8.1	19 8.409	3.2585	-0.0131	.....	-18 5 57.48	18.137	0.195	.....	4	5.14
4185	3 Lacertæ.....	4.6	7.5	22 19 37.549	+2.3540	+0.0154	-0.0016	+51 43 39.90	+18.155	+0.138	-0.190	14 13	5.31 5.42
4186	π Aquarii.....	4.6	7.5	22 20 10.197	+3.0638	-0.0027	+0.0007	+0 52 12.16	+18.175	+0.181	+0.003	64 56	5.90 5.55
4187	B. D. - 5°5790.....	7.3	7.3	20 54.076	3.1281	0.0059	.....	-5 41 9.42	18.202	0.183	.....	4	4.73
4188	B. D. - 3°5443.....	7.0	7.0	21 4.342	3.1045	0.0047	.....	-3 17 42.62	18.208	0.182	.....	4	4.73
4189	B. D. -17°6520.....	6.6	6.6	21 8.462	3.2458	0.0125	+0.0180	-17 14 57.62	18.210	0.190	-0.006	5	4.54
4190	B. D. -17°6521.....	6.4	6.4	22 21 8.857	+3.2458	-0.0125	+0.0157	-17 15 2.78	+18.211	+0.190	+0.004	4	4.74
4191	32 H. Cephei.....	5.4	8.3	22 21 18.29	-4.186	-1.315	+0.051	+85 36 17.75	+18.216	-0.263	+0.049	10	7.93
4192	32 H. Cephei s. p.	5.4	8.3	21 18.34	-4.186	1.315	+0.051	+85 36 17.75	18.216	-0.263	+0.049	10	7.32
4193	B. D. -11°5833.....	7.0	7.0	21 22.992	+3.1882	0.0092	+0.0031	-11 44 10.95	18.220	+0.186	-0.002	4	4.74
4194	B. D. -12°6271.....	8.5*	8.5	21 30.432	+3.1893	0.0092	.....	-11 51 29.88	18.224	+0.186	.....	4	5.17
4195	B. D. - 9°5978.....	7.9*	7.9	22 21 31.269	+3.1607	-0.0077	.....	-9 1 9.97	+18.224	+0.184	.....	6 7	5.86 5.67
4196	B. D. +37°4575.....	8.5*	8.5	22 22 15.804	+2.6387	+0.0125	.....	+38 6 52.30	+18.251	+0.152	.....	4	8.38
4197	B. D. - 6°5996.....	8.1*	8.1	22 38.355	3.1343	-0.0062	.....	-6 24 56.02	18.265	0.181	.....	4	5.16
4198	B. D. -16°6092.....	8.5*	8.5	23 30.312	3.2358	-0.0121	.....	-16 39 45.65	18.296	0.185	.....	4	4.74
4199	ζ Aquarii (mean).....	3.8	8.7	23 41.015	3.0774	-0.0032	+0.0126	-0 31 54.03	18.302	0.176	+0.030	11 12	6.08 6.21
4200	B. D. -10°5929.....	8.7*	8.7	22 24 1.770	+3.1699	-0.0082	.....	-10 10 26.25	+18.315	+0.180	.....	4	4.74
4201	B. D. - 4°5683.....	9.0	9.0	22 24 12.190	+3.1169	-0.0053	.....	-4 41 58.08	+18.321	+0.177	.....	5	4.53
4202	B. D. -13°6204.....	6.2	6.2	24 40.744	3.2012	0.0100	+0.0124	-13 25 37.50	18.338	0.181	-0.007	4	4.73
4203	B. D. -15°6231.....	6.4	6.4	24 55.825	3.2176	0.0110	+0.0025	-15 5 48.60	18.347	0.182	-0.041	4	4.75
4204	B. D. - 5°5806.....	7.9*	7.9	25 15.229	3.1224	0.0056	.....	-5 19 48.62	18.358	0.175	.....	4	5.11
4205	B. D. - 8°5888 (pr.).....	8.7	8.7	22 25 17.128	+3.1538	-0.0073	.....	-8 37 29.82	+18.359	+0.177	.....	4	5.14
4206	B. D. - 8°5888 (fol.).....	7.7	7.7	22 25 17.386	+3.1538	-0.0073	.....	-8 37 37.05	+18.359	+0.177	.....	4	5.14
4207	σ Aquarii.....	4.9	7.8	25 21.348	3.1784	-0.0087	0.0000	-11 11 22.84	18.362	0.178	-0.030	59 56	7.05
4208	38 Pegasi.....	5.5	8.4	25 27.304	2.7367	+0.0106	+0.0025	+32 3 38.98	18.365	0.152	-0.016	10	5.20
4209	δ Cephei.....	var.	7.1	25 27.403	2.2181	+0.0168	+0.0015	+57 54 11.89	18.365	0.122	+0.003	10	5.77
4210	β Piscis Australis.....	4.4	7.3	22 25 49.334	+3.4172	-0.0246	+0.0046	-32 51 31.13	+18.378	+0.191	-0.018	10	7.22

4199. Double, 4m.4, 4m.6, 3".0, 317°.

4209. Var., 3m.7-4m.6.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
4211*	B. D. - 7°5797.....	6.2	6.2	22 26 3.704	+3.1384	-0.0064	+0.0129	- 7 3 55.40	+18.386	+0.175	-0.129	4	4.73
4212	B. D. +39°4856.....	8.1*	8.1	26 6.033	2.6306	+0.0136	.....	+39 41 17.10	18.388	0.145	.....	4	8.38
4213	B. D. - 3°5460.....	6.3	6.3	26 8.213	3.1042	-0.0046	-0.0051	- 3 25 24.70	18.389	0.173	-0.004	4	4.72
4214	B. D. -11°5855.....	6.4	6.4	26 23.251	3.1796	-0.0088	+0.0041	-11 25 4.76	18.398	0.176	-0.041	5	4.53
4215	7 Lacertæ.....	3.8	8.7	22 27 10.259	+2.4498	+0.0168	+0.0145	+49 46 6.59	+18.425	+0.133	+0.013	10	6.72
4216	B. D. -10°5947.....	6.8	6.8	22 28 50.572	+3.1648	-0.0080	-0.0009	-10 7 26.78	+18.482	+0.170	+0.001	4	4.75
4217	B. D. - 2°5781.....	5.9	8.8	28 53.639	3.0912	0.0038	+0.0018	- 2 5 19.95	18.484	0.167	-0.033	4	4.71
4218	B. D. -15°6243.....	8.7*	8.7	29 5.650	3.2168	0.0113	.....	-15 38 2.95	18.490	0.173	.....	4	5.15
4219	ν Aquarii.....	5.3	8.2	29 13.559	3.2725	0.0149	+0.0155	-21 13 13.61	18.495	0.176	-0.148	10	4.64
4220	B. D. - 3°5472.....	8.5*	8.5	22 30 10.730	+3.0971	-0.0041	.....	- 2 46 25.48	+18.527	+0.165	.....	4	5.17
4221	η Aquarii.....	4.1	7.0	22 30 13.116	+3.0780	-0.0030	+0.0060	- 0 37 58.53	+18.528	+0.164	-0.054	72 62	6.37 6.13
4222	B. D. -18°6154.....	6.8	6.8	30 25.782	3.2375	0.0127	-0.0027	-17 58 35.10	18.535	0.172	-0.041	4	5.18
4223	226 B. Cephei.....	5.7	8.6	30 30.999	1.0752	0.0344	-0.0043	+75 42 39.37	18.538	0.052	-0.001	9	5.95
4224	226 B. Cephei s. p.	5.7	8.6	30 31.041	1.0752	0.0344	-0.0043	+75 42 40.02	18.538	0.052	-0.001	10	7.17
4225	B. D. -17°6554.....	6.7	6.7	22 30 44.271	+3.2266	-0.0120	.....	-16 54 17.70	+18.546	+0.171	.....	4	4.74
4226	B. D. -12°6315.....	7.7*	7.7	22 31 47.989	+3.1813	-0.0091	.....	-12 14 56.40	+18.581	+0.166	.....	4	4.71
4227	B. D. - 6°6034.....	7.9*	7.9	32 5.319	3.1301	0.0060	.....	- 6 35 7.22	18.590	0.163	.....	5	4.53
4228	B. D. -14°6317.....	8.7*	8.7	32 34.278	3.1954	0.0101	.....	-13 53 22.32	18.606	0.166	.....	4	4.73
4229	κ Aquarii.....	5.3	8.2	32 34.656	3.1136	0.0050	-0.0052	- 4 44 38.28	18.606	0.161	-0.115	17 15	5.49 5.71
4230*	B. D. - 8°5912.....	6.4	6.4	22 33 7.427	+3.1455	-0.0070	+0.0010	- 8 25 1.12	+18.624	+0.162	+0.012	4	4.74
4231	49 G. Piscis Australis...	5.6	8.5	22 33 12.586	+3.4006	-0.0250	+0.0008	-33 36 5.71	+18.626	+0.176	+0.038	11	7.01
4232	B. D. -14°6320.....	7.6	7.6	33 14.658	3.2009	0.0105	.....	-14 35 12.48	18.628	0.164	.....	4	5.16
4233	31 Cephei.....	5.2	8.1	33 18.121	1.4452	0.0073	+0.0391	+73 7 26.99	18.630	0.070	+0.021	10	6.76
4234	31 Cephei s. p.	5.2	8.1	33 18.227	1.4452	0.0073	+0.0391	+73 7 26.75	18.630	0.070	+0.021	11	6.68
4235	B. D. -10°5963.....	7.2	7.2	22 34 0.322	+3.1635	-0.0081	-0.0029	-10 32 52.98	+18.652	+0.161	-0.004	4	4.72
4236	10 Lacertæ.....	4.9	7.8	22 34 46.320	+2.6856	+0.0142	0.0000	+38 31 47.26	+18.677	+0.134	-0.009	10	5.01
4237	B. D. -10°5966.....	6.7	6.7	34 51.508	3.1568	-0.0076	+0.0111	- 9 52 53.15	18.679	0.159	+0.042	4	5.19
4238	B. D. +39°4906.....	8.0	8.0	34 55.528	2.6644	+0.0209	.....	+40 4 47.12	18.681	0.133	.....	4	8.38
4239	30 Cephei.....	5.2	8.1	35 6.065	2.1201	+0.0185	-0.0002	+63 3 52.35	18.687	0.104	-0.019	11	5.69
4240	ε Piscis Australis.....	4.2	7.1	22 35 7.585	+3.3248	-0.0195	+0.0018	-27 33 54.05	+18.688	+0.168	-0.002	10	5.28
4241	B. D. - 4°5728.....	6.4	6.4	22 35 37.462	+3.1066	-0.0045	.....	- 4 4 29.10	+18.704	+0.155	.....	4	4.72
4242	B. D. -12°6327.....	6.8	6.8	36 7.876	3.1806	-0.0091	.....	-12 45 5.90	18.719	0.158	.....	5	4.50
4243	ζ Pegasi.....	3.6	8.5	36 28.482	2.9857	+0.0024	+0.0052	+10 18 34.13	18.730	0.147	-0.012	49 39	7.35 7.33
4244	B. D. - 5°5843.....	7.0	7.0	36 53.868	3.1190	-0.0053	.....	- 5 37 24.52	18.743	0.153	.....	4	4.74
4245	B. D. - 9°6037.....	8.6	8.6	22 37 44.913	+3.1524	-0.0075	.....	- 9 40 36.38	+18.770	+0.153	.....	4	4.73
4246	B. D. -10°5975.....	7.2	7.2	22 37 45.549	+3.1604	-0.0080	-0.0004	-10 37 35.05	+18.770	+0.154	+0.013	4	4.75
4247	B. D. - 3°5491.....	8.3*	8.3	37 47.817	3.0986	0.0040	.....	- 3 12 21.88	18.771	0.150	.....	4	5.18
4248	B. D. - 9°6038 (fol.) ..	6.5	6.5	37 49.070	3.1452	0.0070	+0.0017	- 8 50 5.78	18.772	0.153	-0.005	4	5.17
4249	67 Aquarii.....	6.3	6.3	38 0.947	3.1338	0.0062	+0.0011	- 7 29 10.80	18.778	0.152	-0.021	14	6.24
4250	B. D. -16°6142 (mean) ..	8.1*	8.1	22 38 11.127	+3.2121	-0.0116	.....	-16 39 38.88	+18.783	+0.156	.....	4	5.11
4251	η Pegasi.....	3.1	8.0	22 38 18.795	+2.8064	+0.0110	+0.0008	+29 41 53.60	+18.787	+0.135	-0.035	44 40	8.41 8.45
4252	B. D. -15°6265.....	7.2	7.2	39 1.981	3.1980	-0.0106	.....	-15 12 1.98	18.809	0.153	.....	5	4.52
4253	13 Lacertæ.....	5.2	8.1	39 37.766	2.6691	+0.0160	-0.0008	+41 17 40.22	18.827	0.126	+0.006	10	5.88
4254	B. D. -13°6262.....	8.3*	8.3	40 9.003	3.1822	-0.0096	.....	-13 31 53.78	18.842	0.150	.....	4	4.73
4255	B. D. +38°4858.....	6.6	6.6	22 40 21.183	+2.7080	+0.0150	.....	+38 40 34.55	18.848	+0.126	.....	2	8.90
4256	B. D. -12°6342.....	8.5*	8.5	22 40 50.717	+3.1691	-0.0087	.....	-12 3 52.30	+18.863	+0.148	.....	4	4.74
4257	B. D. -11°5912.....	6.7	6.7	40 58.031	3.1658	-0.0085	.....	-11 41 29.28	18.867	0.148	.....	4	4.76
4258	λ Pegasi.....	4.1	7.0	41 42.817	2.8819	+0.0084	+0.0042	+23 2 22.13	18.889	0.133	-0.014	53 48	5.40 5.35
4259	B. D. - 3°5505.....	7.5	7.5	42 2.454	3.0975	-0.0039	.....	- 3 14 8.02	18.898	0.142	.....	4	5.16
4260	B. D. - 7°5858.....	8.2*	8.2	22 42 9.304	+3.1290	-0.0060	.....	- 7 15 26.65	+18.902	+0.144	.....	4	5.17
4261	B. D. - 2°5826.....	7.6	7.6	22 42 20.808	+3.0903	-0.0034	.....	- 2 18 56.58	+18.907	+0.142	.....	4	4.71
4262	B. D. -14°6346.....	5.7	8.6	42 24.226	3.1878	0.0102	+0.0024	-14 35 0.20	18.909	0.147	-0.013	4	5.15
4263	B. D. - 4°5757 (mean) ..	6.8	6.8	42 40.636	3.1091	0.0046	-0.0129	- 4 44 53.24	18.917	0.142	-0.287	5	4.52
4264	B. D. - 6°6074.....	8.7*	8.7	43 5.908	3.1209	0.0054	.....	- 6 17 42.85	18.929	0.142	.....	4	4.75
4265	B. D. - 8°5952.....	8.1*	8.1	22 43 8.842	+3.1392	-0.0067	.....	- 8 38 23.92	+18.930	+0.142	.....	4	4.76
4266	B. D. -11°5923.....	6.2	6.2	22 43 14.519	+3.1584	-0.0080	+0.0030	-11 5 0.90	+18.933	+0.144	+0.008	4	4.74
4267	B. D. - 5°5866.....	8.3*	8.3	43 19.633	3.1115	-0.0048	.....	- 5 6 11.92	18.935	0.141	.....	4	5.15
4268	B. D. +37°4699.....	8.1*	8.1	44 15.858	2.7335	+0.0152	.....	+37 59 56.30	18.962	0.121	.....	2	8.90
4269	τ Aquarii.....	4.2	7.1	44 17.876	3.1814	-0.0098	-0.0011	-14 7 13.12	18.963	0.143	-0.036	28	7.26
4270	μ Pegasi.....	3.7	8.6	22 45 10.602	+2.8808	+0.0091	+0.0107	+24 4 24.79	+18.988	+0.126	-0.045	41	6.94 6.89
4271	B. D. -13°6283.....	8.5*	8.5	22 45 16.900	+3.1729	-0.0092	.....	-13 13 12.28	+18.991	+0.140	.....	4	4.73
4272	B. D. - 1°4351.....	7.3	7.3	45 34.416	3.0806	-0.0026	.....	- 1 6 27.05	18.999	0.135	.....	4	5.14
4273	B. D. -10°6002.....	8.7	8.7	45 57.932	3.1460	-0.0072	.....	- 9 51 16.58	19.010	0.138	.....	5	4.53
4274	ι Cephei.....	3.7	8.6	46 7.060	2.1357	+0.0228	-0.0110	+65 40 27.66	19.014	0.090	-0.121	10 9	6.25 6.31
4275	ι Cephei s. p.	3.7	8.6	22 46 7.071	+2.1357	+0.0228	-0.0110	+65 40 27.04	+19.014	+0.090	-0.121	11	7.29

4248. Comp., 7^m.3, 2^s.6, 31ⁱ.4263. Double, 7^m.3, 7^s.8, 3ⁱ.2, 260°. The proper motion has been obtained by correcting Boss's proper motion for the following component by one-half of Burnham's relative proper motion.4250. Double, 8^m.9, 8^s.9, 1ⁱ.7, 283°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Obs- er- vations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
4276	γ Piscis Australis.....	4.5	7.4	22 46 58.079	+3.3485	-0.0242	-0.0024	-33 24 20.54	+19.038	+0.145	-0.032	12 10	5.54 5.87
4277	λ Aquarii.....	3.8	8.7	47 23.870	3.1317	0.0062	+0.0003	- 8 6 41.43	19.049	0.134	+0.036	49 47	6.19 6.18
4278	B. D.-10°6008.....	6.8	6.8	47 30.177	3.1501	0.0076	.....	-10 35 24.00	19.052	0.135	.....	4	4.74
4279	B. D.-3°5521.....	7.9*	7.9	47 30.507	3.0953	0.0036	.....	- 3 9 25.00	19.052	0.132	.....	4	4.74
4280	B. D.-12°6371.....	5.9	8.8	22 48 12.817	+3.1610	-0.0084	+0.0011	-12 8 53.45	+19.071	+0.134	+0.001	4	5.12
4281	B. D.-6°6087.....	6.8	6.8	22 48 16.240	+3.1194	-0.0053	.....	- 6 31 6.18	+19.073	+0.132	.....	4	5.16
4282	B. D.-12°6374.....	7.2	7.2	48 50.709	3.1645	0.0088	+0.0028	-12 43 16.48	19.088	0.133	-0.049	4	4.72
4283	B. D.-1°4355.....	8.4	8.4	49 9.683	3.0836	0.0027	.....	- 1 34 49.38	19.097	0.129	.....	4	4.77
4284	δ Aquarii.....	3.5	8.4	49 20.633	3.1913	0.0109	-0.0033	-16 21 9.27	19.102	0.133	-0.021	49 46	7.86 7.95
4285	B. D.-7°5886.....	6.3	6.3	22 49 21.688	+3.1274	-0.0059	-0.0016	- 7 44 9.96	+19.102	+0.130	-0.034	5	4.54
4286	B. D.+0°4939.....	6.0	8.9	22 49 52.508	+3.0761	-0.0021	+0.0014	+ 0 31 55.30	+19.116	+0.128	+0.007	4	4.73
4287	94 H ¹ . Aquarii.....	5.9	5.9	49 59.845	3.1112	0.0047	+0.0012	- 5 31 13.53	19.119	0.128	-0.003	21	5.33
4288	B. D.-14°6370.....	8.3*	8.3	50 53.097	3.1720	0.0095	.....	-14 5 17.55	19.142	0.129	.....	4	4.71
4289	B. D.-15°6335.....	8.1*	8.1	51 12.479	3.1821	0.0104	.....	-15 31 23.48	19.151	0.129	.....	4	5.15
4290	B. D.-11°5953.....	8.2*	8.2	22 51 34.811	+3.1473	-0.0075	.....	-10 47 47.35	+19.160	+0.127	.....	4	5.16
4291	B. D.-4°5793.....	6.6	6.6	22 51 56.984	+3.0982	-0.0037	.....	- 3 46 47.18	+19.170	+0.124	.....	4	4.73
4292	B. D.-5°5894.....	6.4	6.4	52 6.617	3.1088	0.0045	-0.0014	- 5 20 39.65	19.174	0.124	+0.008	4	4.78
4293	α Piscis Australis.....	1.3	9.2	52 7.685	3.2989	0.0209	+0.0250	-30 9 7.70	19.174	0.132	-0.166	10	4.37
4294	B. D.-11°5961.....	8.9*	8.9	52 52.092	3.1520	0.0080	.....	-11 39 59.64	19.193	0.125	.....	5	4.53
4295	B. D.-6°6110.....	8.7*	8.7	22 52 57.832	+3.1143	-0.0050	.....	- 6 13 14.85	+19.195	+0.123	.....	4	4.73
4296	B. D.+38°4903.....	7.7*	7.7	22 52 59.396	+2.7620	+0.0168	.....	+38 51 14.83	+19.196	+0.108	.....	3	8.21
4297*	B. D.-3°5539.....	6.2	6.2	53 6.491	3.0920	-0.0032	+0.0002	- 2 55 47.48	19.199	0.122	-0.082	4	4.71
4298	B. D.-8°5991.....	8.7*	8.7	53 46.788	3.1309	-0.0063	.....	- 8 44 55.80	19.216	0.122	.....	4	4.74
4299	52 Pegasi.....	5.8	8.7	54 11.594	2.9974	+0.0038	+0.0017	+11 11 39.63	19.226	0.116	-0.041	14	4.29
4300	B. D.-13°6318.....	6.3	6.3	22 54 19.748	+3.1638	-0.0090	-0.0008	-13 36 23.85	+19.230	+0.122	+0.008	4	5.18
4301	B. D.+0°4950.....	5.6	8.5	22 54 19.940	+3.0752	-0.0014	+0.0054	+ 0 25 44.42	+19.230	+0.118	-0.066	4	5.15
4302*	B. D.-9°6100.....	6.9	6.9	55 6.573	+3.1343	0.0066	+0.0010	- 9 24 58.02	19.248	+0.120	-0.052	4	4.74
4303	36 H. Cephei.....	5.0	7.9	55 12.499	-0.2746	0.3274	+0.063	+33 48 40.29	19.251	-0.023	+0.030	12 11	5.45 5.60
4304	36 H. Cephei s. p.....	5.0	7.9	55 12.612	-0.2746	0.3274	+0.063	+33 48 40.09	19.251	-0.023	+0.030	15 14	5.45 5.53
4305	B. D.-0°4443.....	6.4	6.4	22 55 30.209	+3.0746	-0.0018	+0.0024	- 0 21 3.72	+19.258	+0.116	+0.013	4	4.76
4306	B. D.-10°6038.....	8.3	8.3	22 55 54.465	+3.1378	-0.0069	.....	-10 5 18.22	+19.268	+0.118	.....	5	4.52
4307	B. D.-15°6325.....	7.4	7.4	56 8.053	3.1695	0.0097	.....	-14 48 26.68	19.274	0.119	.....	4	4.70
4308	B. D.-7°5910.....	6.4	6.4	56 11.827	3.1213	0.0055	-0.0017	- 7 35 52.20	19.275	0.117	-0.010	4	4.73
4309*	B. D.-5°5910.....	6.2	9.1	56 21.157	3.1060	0.0043	+0.0007	- 5 14 55.62	19.279	0.116	+0.002	4	4.74
4310	B. D.-3°5553.....	7.9*	7.9	22 56 46.181	+3.0928	-0.0032	.....	- 3 13 22.82	+19.289	+0.115	.....	4	5.16
4311	B. D.+38°4911.....	8.7*	8.7	22 57 12.101	+2.7840	-0.0172	.....	+38 34 14.50	+19.299	+0.102	.....	4	8.38
4312	B. D.-12°6404.....	8.1*	8.1	57 17.862	3.1478	-0.0079	.....	-11 48 10.48	19.301	0.116	.....	4	5.19
4313	α Andromedæ.....	3.6	8.5	57 19.101	2.7497	+0.0189	+0.0021	+41 47 19.08	19.302	0.100	-0.021	9 11	4.64 4.63
4314	B. D.-7°5913.....	6.5	6.5	57 21.060	3.1174	-0.0052	0.0000	- 7 6 39.05	19.302	0.114	-0.039	4	4.72
4315	B. D.-1°4382.....	7.7*	7.7	22 58 0.976	+3.0783	-0.0020	.....	- 0 57 47.70	+19.318	+0.112	.....	4	4.76
4316	B. D.-5°5917.....	6.6	6.6	22 58 44.884	+3.1053	-0.0042	.....	- 5 20 4.14	+19.335	+0.111	.....	5	4.50
4317	β Piscium.....	4.6	7.5	58 47.241	3.0521	+0.0002	+0.0007	+ 3 16 54.38	19.336	0.109	-0.008	10	4.42
4318	β Pegasi.....	2.6	7.5	58 55.608	2.8888	+0.0119	+0.0144	+27 32 26.75	19.339	0.103	+0.133	45 40	7.71 7.64
4319	B. D.-2°5876.....	9.1*	9.1	59 9.463	3.0873	-0.0027	.....	- 2 26 21.30	19.345	0.110	.....	4	4.72
4320	B. D.-12°6413.....	8.7*	8.7	22 59 15.402	+3.1514	-0.0082	.....	-12 43 3.00	+19.347	+0.112	.....	4	4.73
4321	3 Andromedæ.....	4.9	7.8	22 59 41.605	+2.6652	+0.0236	+0.0169	+49 30 31.67	+19.357	+0.093	+0.161	10	7.34
4322	α Pegasi.....	2.6	7.5	59 46.758	2.9815	+0.0053	+0.0040	+14 40 2.13	19.359	0.105	-0.045	46 44	7.90 7.88
4323	B. D.-8°6018.....	5.6	8.5	22 59 56.970	3.1224	-0.0057	+0.0082	- 8 14 0.05	19.363	0.109	+0.017	4	4.75
4324	B. D.-8°6019.....	7.6	7.6	23 0 6.343	3.1227	-0.0057	+0.0010	- 8 17 38.18	19.366	0.109	+0.002	4	5.18
4325	B. D.+0°4963.....	6.4	6.4	23 0 10.659	+3.0677	-0.0010	.....	+ 0 46 5.90	+19.368	+0.107	.....	4	5.17
4326*	B. D.-11°5997.....	7.1	7.1	23 0 40.026	+3.1387	-0.0072	-0.0012	-10 58 38.05	+19.379	+0.109	-0.010	4	4.73
4327	B. D.-8°6021.....	6.8	6.8	0 40.337	3.1233	-0.0058	+0.0003	- 8 28 35.12	19.379	0.108	+0.004	4	4.72
4328	ϵ^1 Aquarii.....	4.8	7.7	1 18.653	3.2251	-0.0157	+0.0050	-24 16 59.75	19.393	0.111	0.000	11	6.67
4329	B. D.+37°4765.....	7.9*	7.9	1 41.386	2.8093	+0.0175	.....	+38 1 44.42	19.402	0.094	.....	4	8.38
4330	B. D.-13°6344.....	8.5*	8.5	23 1 44.148	+3.1515	-0.0085	.....	-13 16 4.28	+19.403	+0.107	.....	5	4.51
4331	55 Pegasi.....	4.7	7.6	23 1 57.956	+3.0201	+0.0031	+0.0005	+ 8 52 9.90	+19.408	+0.102	-0.014	13	4.98
4332	B. D.-8°6025.....	7.4	7.4	1 59.757	3.1208	-0.0056	+0.0024	- 8 14 1.85	19.408	0.106	-0.054	4	4.73
4333	B. D.-9°6123.....	8.1*	8.1	2 4.505	3.1274	-0.0062	.....	- 9 21 16.42	19.410	0.106	.....	4	4.74
4334	B. D.-12°6426.....	7.9*	7.9	2 10.227	3.1454	-0.0079	.....	-12 20 49.00	19.412	0.106	.....	4	4.76
4335	B. D.-1°4393.....	7.4	7.4	23 2 38.025	+3.0772	-0.0017	.....	- 0 50 12.45	+19.422	+0.103	.....	4	5.15
4336	B. D.-6°6147.....	8.9*	8.9	23 2 39.848	+3.1085	-0.0045	.....	- 6 14 18.25	+19.423	+0.104	.....	4	5.17
4337	5 Andromedæ.....	5.8	8.7	3 12.751	2.6986	+0.0240	+0.0150	+48 45 4.70	19.434	0.088	+0.126	10	5.36
4338	Δ Piscium.....	5.6	8.5	3 33.649	3.0633	-0.0004	+0.0091	+ 1 35 1.17	19.442	0.100	+0.110	19 18	5.26 5.34
4339	B. D.-3°5576.....	8.1*	8.1	3 55.145	3.0893	-0.0027	.....	- 2 59 39.72	19.450	0.101	.....	4	4.75
4340	ϵ^2 Aquarii.....	3.8	8.7	23 4 6.988	+3.2008	-0.0137	+0.0033	-21 42 54.12	+19.454	+0.104	+0.037	21	8.14

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
4341*	B. D. + 1°4687.....	8.0*	8.0	23 4 15.978	+3.0633	-0.0004	+0.0003	+ 1 36 7.92	+19.457	+0.099	-0.001	5	4.52
4342	B. D. - 4°5833.....	8.7*	8.7	4 27.188	3.0976	-0.0035	.....	- 4 30 14.90	19.461	0.100	.....	4	4.74
4343	π Cephei.....	4.6	7.5	4 42.939	1.8931	+0.0246	+0.0030	+74 50 48.54	19.466	0.058	-0.025	9	5.24
4344	π Cephei s. p.....	4.6	7.5	4 42.949	1.8931	+0.0246	+0.0030	+74 50 48.80	19.466	0.058	-0.025	11	5.68
4345	B. D. -14°6413.....	7.2	7.2	23 5 5.529	+3.1525	-0.0089	.....	-14 11 14.38	+19.474	+0.101	.....	4	4.76
4346	B. D. - 8°6040.....	7.7*	7.7	23 5 12.183	+3.1188	-0.0055	.....	- 8 21 2.70	+19.477	+0.099	.....	4	4.74
4347	B. D. - 6°6157.....	7.0	7.0	5 28.902	3.1082	-0.0045	+0.0006	- 6 30 10.18	19.482	0.099	-0.009	4	5.15
4348	B. D. -11°6021.....	8.8*	8.8	6 15.957	3.1330	-0.0070	.....	-11 3 4.50	19.498	0.098	.....	4	5.14
4349	B. D. - 1°4401.....	9.5	9.5	6 33.353	3.0814	-0.0019	.....	- 1 40 39.25	19.504	0.096	.....	4	4.71
4350	B. D. +37°4782.....	8.6*	8.6	23 6 34.639	+2.8367	+0.0178	.....	+37 21 9.45	+19.505	+0.087	.....	4	3.38
4351	59 Pegasi.....	5.2	8.1	23 6 41.215	+3.0281	+0.0030	-0.0011	+ 8 10 37.74	+19.507	+0.094	-0.006	16	5.11
4352	B. D. -12°6444 (mean)	7.0	7.0	6 45.772	3.1404	-0.0078	.....	-12 28 33.68	19.508	0.097	.....	4	4.76
4353	B. D. -10°6082.....	7.0	7.0	7 45.940	3.1262	-0.0064	.....	-10 6 50.12	19.528	0.095	.....	5	4.53
4354	B. D. - 0°4483.....	7.7*	7.7	7 52.783	3.0750	-0.0013	.....	- 0 30 46.38	19.531	0.093	.....	4	4.75
4355	5 H ¹ . Cassiopeiae.....	5.6	8.5	23 8 29.162	+2.6201	+0.0304	+0.2522	+56 37 0.36	+19.542	+0.077	+0.296	11	5.22
4356*	B. D. - 3°5592.....	7.2	7.2	23 8 57.705	+3.0887	-0.0026	-0.0001	- 3 10 42.98	+19.552	+0.091	-0.002	4	4.74
4357	φ Aquarii.....	4.4	7.3	9 8.639	3.1063	0.0044	+0.0018	- 6 35 17.84	19.555	0.092	-0.191	68 60	6.16 6.13
4358	B. D. -11°6032.....	6.4	6.4	9 27.495	3.1304	0.0069	.....	-11 13 56.38	19.561	0.092	.....	4	5.12
4359	B. D. -12°6453.....	7.5	7.5	10 7.919	3.1342	0.0074	.....	-12 6 35.42	19.574	0.090	.....	4	5.16
4360	B. D. - 5°5957.....	8.3*	8.3	23 10 10.495	+3.0980	-0.0035	.....	- 5 4 41.18	+19.575	+0.089	.....	4	5.14
4361	B. D. - 4°5852.....	5.6	8.5	23 10 25.140	+3.0926	-0.0030	-0.0012	- 4 2 28.82	+19.580	+0.088	0.000	4	4.78
4362	B. D. + 0°4982.....	6.8	6.8	10 32.098	3.0685	0.0005	.....	+ 0 45 51.34	19.582	0.088	.....	5	4.53
4363	B. D. -13°6372.....	7.2	7.2	10 38.227	3.1421	0.0083	.....	-13 43 43.58	19.584	0.090	.....	4	4.73
4364	ψ ¹ Aquarii.....	4.5	7.4	10 39.303	3.1208	0.0060	+0.0248	- 9 37 56.98	19.584	0.089	-0.013	14 13	5.59 5.74
4365	B. D. - 2°5914.....	7.1	7.1	23 10 49.973	+3.0821	-0.0019	.....	- 1 53 7.80	+19.587	+0.087	.....	4	4.71
4366	B. D. - 8°6076.....	5.1	8.0	23 11 39.963	+3.1130	-0.0052	-0.0012	- 8 16 18.60	+19.603	+0.087	-0.013	4	5.15
4367	γ Piscium.....	3.8	8.7	11 59.228	3.0591	+0.0006	+0.0502	+ 2 44 9.90	19.608	0.084	+0.019	52 46	7.02 6.92
4368*	B. D. -12°6461.....	6.4	6.4	12 26.867	3.1322	-0.0074	+0.0042	-12 15 33.12	19.617	0.086	+0.005	4	4.73
4369	B. D. - 9°6160.....	4.6	7.5	12 42.376	3.1193	-0.0059	+0.0009	- 9 43 42.12	19.621	0.085	-0.003	4	4.77
4370	B. D. - 0°4498.....	8.8*	8.8	23 13 12.995	+3.0724	-0.0007	.....	- 0 1 17.60	+19.631	+0.082	.....	5	4.53
4371	B. D. - 2°5925.....	8.7*	8.7	23 13 18.662	+3.0839	-0.0020	.....	- 2 26 33.48	+19.632	+0.083	.....	4	4.73
4372	γ Sculptoris.....	4.5	7.4	13 25.538	3.2480	0.0220	+0.0020	-33 4 36.70	19.634	0.087	-0.066	11	5.33
4373	φ ³ Aquarii.....	5.2	8.1	13 45.596	3.1203	0.0061	+0.0032	-10 9 26.00	19.640	0.083	+0.002	21 20	6.72 6.87
4374	B. D. -12°6468.....	7.1	7.1	13 49.118	3.1327	0.0076	+0.0032	-12 43 1.50	19.641	0.083	.....	4	4.74
4375	B. D. - 5°5966.....	5.7	8.6	23 14 12.949	+3.0987	-0.0037	+0.0129	- 5 40 14.52	+19.648	+0.081	-0.016	4	5.15
4376	ο Cephei.....	4.9	7.8	23 14 30.970	+2.4342	+0.0411	+0.0111	+67 33 52.13	+19.653	+0.062	+0.017	15	5.14
4377	ο Cephei s. p.....	4.9	7.8	14 31.100	2.4342	+0.0411	+0.0111	+67 33 51.76	19.653	0.062	+0.017	11	7.79
4378*	B. D. - 4°5868.....	6.6	6.6	15 4.849	3.0927	-0.0030	+0.0191	- 4 27 48.62	19.663	0.080	-0.118	4	5.19
4379	10 Andromedæ.....	6.0	8.9	15 6.643	2.8420	+0.0215	+0.0038	+41 31 50.37	19.664	0.072	+0.008	10	5.68
4380*	B. D. - 6°6191.....	6.3	6.3	23 15 31.540	+3.1015	-0.0040	-0.0099	- 6 27 14.20	+19.670	+0.079	-0.064	4	4.70
4381	B. D. -11°6053.....	7.8	7.8	23 15 40.495	+3.1226	-0.0065	.....	-11 4 47.00	+19.673	+0.079	.....	4	4.76
4382	τ Pegasi.....	4.6	7.5	15 41.181	2.9623	+0.0111	+0.0020	+23 11 35.22	19.673	0.075	-0.021	45 41	8.70 8.78
4383	11 G. Sculptoris.....	5.8	8.7	15 55.872	3.2055	-0.0172	-0.0021	-27 32 2.92	19.677	0.081	-0.046	11	6.90
4384	B. D. - 9°6173.....	7.4	7.4	16 0.477	3.1137	-0.0055	.....	- 9 13 18.92	19.679	0.078	.....	5	4.52
4385	B. D. - 7°5993.....	8.1*	8.1	23 16 4.279	+3.1062	-0.0045	.....	- 7 34 13.95	+19.680	+0.078	.....	4	4.75
4386	B. D. + 1°4714.....	8.0*	8.0	23 16 4.753	+3.0650	+0.0003	.....	+ 1 39 0.92	+19.680	+0.077	.....	4	4.70
4387*	B. D. - 5°5973.....	6.7	6.7	16 12.213	3.0955	-0.0033	-0.0027	- 5 13 10.75	19.682	0.077	-0.022	4	4.74
4388	B. D. +37°4820.....	7.4	7.4	16 28.875	2.8750	+0.0196	.....	+38 2 5.40	19.687	0.071	.....	4	3.38
4389	B. D. -13°6391.....	7.9*	7.9	16 38.804	3.1303	-0.0076	.....	-12 59 48.70	19.689	0.078	.....	4	5.15
4390	B. D. -10°6098.....	7.5	7.5	23 16 39.359	+3.1180	-0.0060	.....	-10 18 32.70	+19.689	+0.077	.....	4	5.20
4391	δ ¹ Aquarii.....	4.2	7.1	23 17 43.105	+3.1647	-0.0122	-0.0087	-20 38 47.28	+19.707	+0.076	-0.093	19	8.26
4392	B. D. + 2°4660.....	6.9	6.9	17 46.756	3.0626	+0.0007	.....	+ 2 16 12.98	19.708	0.073	.....	4	4.71
4393	B. D. -11°6064.....	8.1*	8.1	17 50.092	3.1213	-0.0066	+0.0299	-11 19 10.90	19.708	0.075	+0.248	4	4.76
4394	B. D. -10°6105.....	7.8	7.8	18 6.066	3.1149	-0.0072	.....	- 9 56 0.04	19.713	0.074	.....	5	4.50
4395	B. D. - 4°5879.....	8.5*	8.5	23 18 14.230	+3.0883	-0.0024	.....	- 3 45 48.52	+19.715	+0.073	.....	4	4.73
4396*	B. D. - 0°4509.....	6.5	6.5	23 18 24.140	+3.0734	-0.0006	+0.0043	- 0 15 27.35	+19.717	+0.073	+0.038	4	4.75
4397	B. D. - 1°4427.....	8.5*	8.5	18 36.024	3.0783	-0.0012	.....	- 1 25 52.28	19.721	0.072	.....	4	4.76
4398	B. D. - 8°6103.....	7.9*	7.9	18 54.974	3.1063	-0.0047	.....	- 8 5 58.15	19.726	0.072	.....	4	5.15
4399	B. D. + 2°4663 (fol.)	6.8	6.8	19 10.480	3.0592	+0.0012	.....	+ 3 10 2.55	19.730	0.071	.....	4	5.17
4400	υ Pegasi.....	4.6	7.5	23 20 23.282	+2.9755	+0.0114	+0.0137	+22 51 13.71	+19.748	+0.066	+0.028	42 39	5.96 5.84
4401	4 Cassiopeiae.....	5.2	8.1	23 20 23.551	+2.6449	+0.0393	+0.0017	+61 44 1.61	+19.748	+0.058	-0.008	18 17	4.90 4.96
4402	B. D. +38°4999.....	6.8	6.8	21 10.611	2.8912	+0.0199	.....	+38 47 25.18	19.760	0.063	.....	4	3.38
4403	B. D. - 7°6012.....	7.3	7.3	21 24.088	3.1005	-0.0041	.....	- 7 9 25.28	19.763	0.067	.....	4	4.71
4404	B. D. -10°6114.....	8.5*	8.5	21 24.962	3.1142	-0.0060	.....	-10 35 2.70	19.763	0.068	.....	4	4.73
4405	B. D. - 6°6213.....	8.3*	8.3	23 21 29.445	+3.0950	-0.0033	.....	- 5 46 56.98	+19.765	+0.067	.....	5	4.52

4343. Comp., 7m.0, 0".9, 50°.

4352. Double, 7m.8, 7m.8, 3".6, 279°.

4376. Comp., 7m.7, 3".0, 200°.

4399. Comp., 8m.8, 7".0, 230°.

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Num- ber of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
4406	B. D. + 1°4724.....	6.8	6.8	23 21 37.090	+3.0648	+0.0007	.....	+ 1 55 40.38	+19.766	+0.066	.....	4	4.73
4407	κ Piscium.....	4.9	7.8	21 48.391	3.0696	+0.0001	+0.0057	+ 0 42 29.31	19.769	0.066	-0.090	48 43	7.41 7.31
4408	B. D. - 3°5639.....	7.6	7.6	22 5.261	3.0846	-0.0019	.....	- 3 11 5.22	19.773	0.066	.....	4	4.74
4409	B. D. + 0°4999.....	6.4	6.4	22 7.437	3.0701	+0.0001	+0.0029	+ 0 34 24.30	19.774	0.065	-0.033	4	5.16
4410*	B. D. - 12°6496.....	6.5	6.5	23 22 53.000	+3.1181	-0.0067	+0.0079	-11 59 58.48	+19.784	+0.065	+0.028	4	5.17
4411	θ Piscium.....	4.4	7.3	23 22 53.629	+3.0504	+0.0028	-0.0088	+ 5 49 47.20	+19.785	+0.063	-0.043	41 38	8.37 8.28
4412	B. D. - 8°6118.....	8.1*	8.1	23 46.592	3.1017	-0.0044	.....	- 7 57 9.48	19.797	0.063	.....	4	4.68
4413	B. D. - 10°6120.....	6.5	6.5	23 50.267	3.1087	-0.0054	.....	- 9 48 58.60	19.798	0.063	.....	4	4.76
4414	70 Pegasi.....	4.7	7.6	24 5.804	3.0272	+0.0061	+0.0038	+12 12 32.87	19.801	0.061	+0.027	10 11	6.24 6.19
4415	B. D. - 2°5973.....	6.6	6.6	23 24 19.028	+3.0808	-0.0013	-0.0012	- 2 20 29.52	+19.804	+0.061	-0.019	5	4.52
4416	B. D. - 5°5999.....	6.4	6.4	23 24 21.927	+3.0907	-0.0028	+0.0115	- 5 4 39.45	+19.805	+0.061	-0.226	4	4.76
4417	B. D. - 1°4443.....	7.1	7.1	24 22.610	3.0781	-0.0009	-0.0015	- 1 35 8.92	19.805	0.061	-0.017	4	4.73
4418	B. D. + 37°4852.....	8.1*	8.1	24 43.666	2.9118	+0.0207	.....	+38 5 32.75	19.810	0.056	.....	4	8.38
4419	1 H. Cassiopeiæ.....	4.9	7.8	25 24.665	2.7508	+0.0374	+0.0031	+57 59 51.26	19.819	0.052	+0.013	18 17	4.92 4.99
4420	B. D. + 0°5009.....	7.5	7.5	23 25 33.386	+3.0712	+0.0001	.....	+ 0 19 35.05	+19.821	+0.059	.....	4	4.74
4421	B. D. - 7°6036.....	6.4	6.4	23 25 51.709	+3.0961	-0.0036	.....	- 6 50 19.72	+19.825	+0.059	.....	4	4.77
4422	B. D. + 1°4731.....	7.1	7.1	25 59.410	3.0661	+0.0009	.....	+ 1 48 43.25	19.827	0.058	.....	4	5.14
4423	B. D. - 4°5896.....	6.5	6.5	26 21.615	3.0832	-0.0024	+0.0114	- 4 38 2.50	19.831	0.057	-0.179	4	4.71
4424	B. D. - 9°6206.....	8.7*	8.7	26 36.065	3.1027	-0.0047	.....	- 8 52 47.75	19.834	0.057	.....	4	4.76
4425	B. D. - 1°4450.....	6.5	6.5	23 26 49.709	+3.0778	-0.0008	-0.0001	- 1 38 16.86	+19.837	+0.056	+0.023	5	4.54
4426*	B. D. - 12°6510.....	6.8	6.8	23 27 1.534	+3.1134	-0.0065	-0.0002	-12 5 46.05	+19.840	+0.057	-0.002	4	4.73
4427*	B. D. - 11°6098.....	6.7	6.7	27 14.998	+3.1112	-0.0062	0.0000	-11 33 1.92	19.842	+0.056	-0.009	4	4.74
4428	B. D. - 3°5655.....	7.0	7.0	27 46.985	+3.0840	-0.0018	.....	- 3 34 6.08	19.849	+0.055	.....	4	4.74
4429	B. D. + 2°4680.....	8.4*	8.4	27 48.071	+3.0631	+0.0015	.....	+ 2 49 46.85	19.849	+0.054	.....	4	4.74
4430	39 H. Cephei.....	5.6	8.5	23 27 49.67	-0.230	-0.598	+0.095	+86 45 21.31	+19.849	-0.013	+0.018	40 38	8.34 8.50
4431	39 H. Cephei s. p.	5.6	8.5	23 27 49.59	-0.230	-0.598	+0.095	+86 45 21.28	+19.849	-0.013	+0.018	56 53	8.35 8.33
4432	δ Aquarii.....	4.8	7.7	28 2.669	+3.1454	-0.0122	-0.0005	-21 28 1.10	19.852	+0.055	+0.017	13	5.69
4433	B. D. - 5°6011.....	7.1	7.1	28 19.593	+3.0883	-0.0025	.....	- 4 57 11.25	19.856	+0.054	.....	4	5.17
4434	B. D. - 3°5661.....	7.7*	7.7	28 33.299	+3.0813	-0.0014	.....	- 2 47 46.40	19.858	+0.053	.....	4	4.70
4435	72 Pegasi.....	5.2	8.1	23 23 59.430	+2.9650	+0.0166	+0.0040	+30 46 24.35	+19.864	+0.050	-0.012	10	6.72
4436	14 Piscium.....	6.0	8.9	23 29 0.519	+3.0780	-0.0008	+0.0071	- 1 47 58.67	+19.864	+0.052	-0.009	14	6.64
4437	B. D. + 4°5029.....	6.8	6.8	29 18.560	3.0570	+0.0027	.....	+ 4 55 4.64	19.867	0.051	.....	5	4.52
4438	15 Andromedæ.....	5.5	8.4	29 43.843	2.9263	+0.0225	-0.0011	+39 41 6.29	19.872	0.048	-0.040	13	6.41
4439	B. D. - 11°6110.....	7.3	7.3	30 17.186	3.1063	-0.0058	.....	-11 6 27.85	19.879	0.050	.....	4	4.74
4440	B. D. - 0°5018.....	6.6	6.6	23 30 21.789	+3.0701	+0.0006	-0.0031	+ 0 45 39.62	+19.880	+0.048	-0.022	4	4.74
4441	248 G. Aquarii.....	6.5	6.5	23 30 22.553	+3.0966	-0.0040	-0.0006	- 8 1 3.32	+19.880	+0.050	+0.020	20 19	5.03 5.09
4442	B. D. - 6°6239.....	9.1*	9.1	30 37.875	3.0912	-0.0031	.....	- 6 18 5.92	19.882	0.049	.....	4	4.77
4443	B. D. - 9°6220.....	7.3	7.3	30 50.556	3.1002	-0.0047	.....	- 9 19 5.12	19.885	0.049	.....	4	5.16
4444	B. D. + 2°4686.....	8.0*	8.0	30 59.096	3.0647	+0.0016	.....	+ 2 35 58.72	19.886	0.048	.....	4	4.73
4445	B. D. + 1°4744.....	5.6	8.5	23 31 17.062	+3.0678	+0.0010	-0.0075	+ 1 32 50.82	+19.890	+0.047	+0.058	4	4.76
4446	λ Andromedæ.....	4.0	8.9	23 32 40.106	+2.9082	+0.0277	+0.0149	+45 54 56.75	+19.904	+0.042	-0.421	10	5.99
4447	B. D. - 4°5917.....	8.7*	8.7	33 2.158	3.0842	-0.0019	.....	- 4 18 45.74	19.908	0.044	.....	5	4.53
4448	B. D. - 9°6224.....	6.8	6.8	33 2.610	3.0977	-0.0045	.....	- 9 10 50.85	19.908	0.044	.....	4	4.73
4449	ε Andromedæ.....	4.3	7.2	33 13.752	2.9286	+0.0253	+0.0024	+42 42 52.50	19.910	0.041	-0.003	10 11	6.72 6.62
4450	B. D. - 1°4469.....	8.9	8.9	23 34 37.076	+3.0757	-0.0002	.....	- 1 17 38.65	+19.924	+0.041	.....	4	4.71
4451	B. D. - 6°6256.....	7.8	7.8	23 34 41.952	+3.0881	-0.0028	.....	- 6 6 0.68	+19.925	+0.041	.....	4	4.74
4452	ε Piscium.....	4.3	7.2	34 48.532	3.0593	+0.0031	+0.0248	+ 5 5 1.23	19.926	0.040	-0.439	47 43	6.01 6.05
4453	B. D. + 4°5036.....	8.2*	8.2	35 11.684	3.0616	+0.0026	.....	+ 4 15 7.38	19.930	0.040	.....	4	5.19
4454	γ Cephei.....	3.4	8.3	35 14.142	2.4444	+0.0772	-0.0179	+77 4 28.57	19.930	0.030	+0.158	18	7.88
4455	γ Cephei s. p.	3.4	8.3	23 35 14.224	+2.4444	+0.0772	-0.0179	+77 4 28.58	+19.930	+0.030	+0.158	18 19	7.87 7.98
4456	μ Sculptoris.....	5.3	8.2	23 35 23.363	+3.1640	-0.0196	-0.0082	-32 37 33.54	+19.931	+0.040	-0.038	10	6.86
4457	κ Andromedæ.....	4.3	7.2	35 28.833	2.9356	+0.0265	+0.0073	+43 46 48.96	19.932	0.037	-0.024	14	8.28
4458	B. D. - 0°4547.....	7.7	7.7	35 33.403	3.0727	+0.0004	.....	- 0 8 15.65	19.933	0.039	.....	4	4.70
4459	B. D. - 8°6166.....	7.1	7.1	35 39.076	3.0934	-0.0040	.....	- 8 28 2.45	19.934	0.039	.....	4	4.77
4460	B. D. + 2°4701.....	8.8*	8.8	23 35 44.305	+3.0648	+0.0021	.....	+ 3 4 23.44	+19.935	+0.039	.....	5	4.52
4461	B. D. - 7°6070.....	8.3*	8.3	23 36 1.220	+3.0896	-0.0032	.....	- 7 1 53.68	+19.937	+0.039	.....	4	4.70
4462	B. D. - 3°5688.....	8.9*	8.9	36 5.498	3.0806	-0.0013	.....	- 3 24 46.30	19.938	0.038	.....	4	4.74
4463	λ Piscium.....	4.6	7.5	36 56.556	3.0695	+0.0012	-0.0092	+ 1 13 46.48	19.946	0.036	-0.144	14 15	7.05 6.90
4464	B. D. - 2°6021.....	8.5*	8.5	37 13.744	3.0771	-0.0005	.....	- 2 3 18.00	19.948	0.036	.....	4	4.79
4465	ω² Aquarii.....	4.6	7.5	23 37 32.274	+3.1076	-0.0076	+0.0060	-15 5 52.39	+19.951	+0.036	-0.060	14	7.39
4466	δ¹ Aquarii.....	5.3	8.2	23 39 0.922	+3.1140	-0.0098	+0.0020	-18 49 54.43	+19.963	+0.033	0.000	62 56	7.32 7.22
4467*	B. D. - 3°5697.....	7.2	7.2	39 24.499	3.0802	-0.0012	+0.0017	- 3 43 46.30	19.966	0.032	-0.024	4	5.16
4468	B. D. - 5°6041.....	8.9*	8.9	39 26.408	3.0840	-0.0022	.....	- 5 33 43.80	19.966	0.032	.....	4	4.72
4469	B. D. - 7°6078.....	8.8*	8.8	39 38.819	3.0879	-0.0032	.....	- 7 29 28.40	19.968	0.032	.....	4	4.76
4470	B. D. + 6°5197.....	6.9	6.9	23 39 42.721	+3.0586	+0.0042	.....	+ 6 38 13.28	+19.968	+0.031	.....	4	5.12

[The positions are for the epochs of column *Mean Date* and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Harvard Magnitude.	Magnitude of Observation.	Right Ascension 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Preces- sion 1900.0	Secular Vari- ation 1900.0	Annual Proper Motion.	Number of Observ- ations.	Mean Date.
				h m s	s	s	s	° ' "	"	"	"		1900+
4471	B. D. - 1°4485.....	7.3	7.3	23 39 52.468	+3.0748	+0.0001	.....	- 1 12 56.12	+19.970	+0.031	.....	4 5	4.73
4472	♄ Andromedæ.....	5.1	8.0	41 4.542	2.9587	0.0293	+0.0012	+45 51 54.71	19.978	0.027	-0.018	22 21	4.83 4.78
4473	19 Piscium.....	5.3	8.2	41 16.862	3.0668	0.0023	-0.0034	+ 2 55 55.77	19.980	0.028	-0.020	15 16	5.61 5.56
4474	B. D. - 0°4566.....	7.4	7.4	41 27.445	3.0724	0.0008	.....	- 0 1 28.22	19.981	0.028	.....	4	4.76
4475	B. D. +36°5117.....	8.1	8.1	23 41 43.296	+2.9922	+0.0220	.....	+36 57 11.98	+19.983	+0.026	.....	6	8.58
4476*	B. D. - 5°6048.....	7.4	7.4	23 42 30.830	+3.0813	-0.0018	+0.0032	- 5 1 2.85	+19.988	+0.026	-0.037	4	4.76
4477	B. D. + 3°4895.....	8.2*	8.2	42 38.091	3.0658	+0.0028	.....	+ 3 40 28.82	19.989	0.025	.....	4	5.18
4478	B. D. - 3°5707.....	5.6	8.5	42 48.097	3.0782	-0.0008	+0.0063	- 3 19 2.45	19.990	0.025	+0.006	4	4.71
4479	41 H. Cephei.....	5.0	7.9	43 7.541	2.8379	+0.0612	+0.0019	+67 15 4.32	19.992	0.022	+0.002	10	5.27
4480	41 H. Cephei s. p.	5.0	7.9	23 43 7.527	+2.8379	+0.0612	+0.0019	+67 15 4.49	+19.992	+0.022	+0.002	10	6.90
4481	B. D. - 7°6086.....	6.3	6.3	23 43 24.148	+3.0841	-0.0027	-0.0001	- 6 56 8.30	+19.994	+0.024	-0.026	4	4.73
4482	B. D. + 1°4773.....	6.4	6.4	43 42.172	3.0696	+0.0018	.....	+ 1 39 34.15	19.996	0.023	.....	4	4.72
4483	♄ Sculptoris.....	4.6	7.5	43 43.152	3.1242	-0.0159	+0.0080	-28 40 59.82	19.996	0.024	-0.101	13	6.91
4484	B. D. + 0°5054.....	5.8	5.8	44 20.232	3.0715	+0.0012	-0.0004	+ 0 31 15.84	20.000	0.022	-0.026	4 5	4.75 4.74
4485	B. D. + 5°5224.....	8.6*	8.6	23 45 7.573	+3.0632	+0.0049	.....	+ 5 59 6.18	+20.005	+0.020	.....	4	4.76
4486	B. D. - 6°6303.....	8.9*	8.9	23 46 37.198	+3.0809	-0.0022	.....	- 6 14 7.38	+20.013	+0.018	.....	4	4.74
4487	B. D. + 2°4725.....	5.8	8.7	46 50.648	3.0692	+0.0024	+0.0010	+ 2 22 28.55	20.014	0.017	-0.013	4	4.78
4488	♄ Pegasi.....	5.2	8.1	47 23.946	3.0477	+0.0110	-0.0011	+18 33 54.23	20.016	0.016	-0.044	67 64	6.29 6.30
4489	B. D. - 3°5723.....	6.1	6.1	47 47.362	3.0770	-0.0008	+0.0047	- 3 42 38.05	20.018	0.016	-0.045	4	5.17
4490	25 Piscium.....	6.2	6.2	23 47 57.454	+3.0704	+0.0020	+0.0008	+ 1 32 4.94	+20.019	+0.015	-0.006	14	5.18
4491	B. D. - 7°6104.....	8.5*	8.5	23 47 53.940	+3.0812	-0.0026	.....	- 7 12 21.08	+20.019	+0.015	.....	4	4.74
4492	274 G. Aquarii.....	6.2	6.2	48 10.624	3.1042	-0.0129	+0.0032	-24 47 6.91	20.020	0.015	-0.001	9	6.00
4493	B. D. + 4°5066.....	7.9*	7.9	48 58.177	3.0675	+0.0035	.....	+ 4 18 56.22	20.024	0.013	.....	4	4.71
4494	B. D. + 2°4728.....	7.8*	7.8	49 11.990	3.0689	+0.0029	.....	+ 3 7 22.30	20.025	0.013	.....	4	4.74
4495	♄ Cassiopeiae.....	4.8	7.7	23 49 23.043	+2.9772	+0.0444	-0.0006	+56 56 35.26	+20.025	+0.012	+0.005	10	6.21
4496*	B. D. - 2°6059.....	7.7	7.7	23 49 31.156	+3.0750	0.0000	+0.0003	- 2 30 7.65	+20.026	+0.012	+0.023	4	4.73
4497	B. D. - 0°4585.....	6.0	8.9	49 39.498	3.0728	+0.0010	-0.0038	- 0 26 47.98	20.026	0.012	-0.006	4	4.75
4498	Groombridge 4163....	6.6	6.6	49 57.620	2.8702	+0.0909	-0.0028	+73 51 13.90	20.028	0.010	-0.007	10	5.32
4499	Groombridge 4163 s.p.	6.6	6.6	49 57.596	2.8702	+0.0909	-0.0028	+73 51 13.74	20.028	0.010	-0.007	10	7.29
4500*	B. D. - 5°6081.....	8.0	8.0	23 50 0.003	+3.0777	-0.0014	-0.0010	- 5 13 27.22	+20.028	+0.011	-0.016	4	4.77
4501	B. D. + 6°5216.....	6.1	6.1	23 50 0.800	+3.0657	+0.0047	+0.0007	+ 6 30 54.30	+20.028	+0.011	-0.010	4	5.14
4502*	B. D. + 7°5101.....	6.7	6.7	50 30.788	3.0649	0.0053	-0.0013	+ 7 40 1.38	20.030	0.010	-0.020	4	4.70
4503	B. D. + 3°4909.....	6.9	6.9	51 39.886	3.0688	0.0036	.....	+ 4 10 6.12	20.034	0.008	.....	4	4.76
4504	B. D. +39°5194.....	8.3	8.3	51 57.675	3.0329	0.0259	.....	+40 2 45.87	20.035	0.007	.....	6	8.58
4505	B. D. + 2°4736.....	7.7	7.7	23 51 58.821	+3.0703	+0.0027	.....	+ 2 30 53.88	+20.035	+0.007	.....	4	4.72
4506	♄ Pegasi.....	4.8	7.7	23 52 39.698	+3.0528	+0.0149	-0.0031	+24 35 8.41	+20.037	+0.006	-0.037	14 13	5.25 5.36
4507	27 Piscium.....	5.1	8.0	53 33.190	3.0750	-0.0006	-0.0038	- 4 6 38.56	20.039	0.004	-0.067	14	5.47
4508	♄ Piscium.....	4.0	8.9	54 10.591	3.0686	+0.0049	+0.0101	+ 6 18 34.82	20.040	0.003	-0.109	65 57	6.15 5.98
4509	B. D. - 2°6071.....	7.5	7.5	54 26.634	3.0737	+0.0003	.....	- 2 24 26.00	20.041	0.002	.....	4	4.72
4510	B. D. - 6°6335.....	6.8	6.8	23 54 32.860	+3.0759	-0.0018	+0.0023	- 6 26 53.75	+20.041	+0.002	-0.054	4	4.77
4511*	B. D. - 1°4514.....	7.0	7.0	23 54 39.120	+3.0728	+0.0011	-0.0032	- 0 50 9.82	+20.041	+0.002	-0.043	4	5.71
4512	B. D. + 5°5245.....	7.7	7.7	54 46.906	3.0695	+0.0044	.....	+ 5 24 2.60	20.042	+0.002	.....	4	4.70
4513	B. D. + 0°5080.....	9.0*	9.0	55 27.001	3.0721	+0.0019	.....	+ 0 30 33.40	20.043	0.000	.....	4	4.77
4514	B. D. - 0°4603.....	8.1*	8.1	55 31.465	3.0725	+0.0014	.....	- 0 20 1.18	20.043	0.000	.....	4	4.71
4515	B. D. - 5°6097.....	8.7*	8.7	23 55 52.090	+3.0747	-0.0013	.....	- 5 29 4.88	+20.044	0.000	.....	4	4.76
4516	B. D. +38°5112.....	8.6*	8.6	23 56 17.074	+3.0548	+0.0255	.....	+39 3 17.97	+20.044	-0.001	.....	6	8.58
4517	B. D. - 3°5749.....	5.2	8.1	56 41.905	3.0736	-0.0002	+0.0008	- 3 35 2.35	20.045	0.002	-0.011	4	4.74
4518	30 Piscium.....	4.7	7.6	56 49.899	3.0745	-0.0018	+0.0027	- 6 34 10.84	20.045	0.002	-0.034	19	7.02
4519*	B. D. - 3°5750.....	6.8	6.8	56 54.977	3.0734	0.0000	+0.0030	- 3 19 22.28	20.045	0.002	-0.039	4	4.75
4520	B. D. + 8°5164.....	6.3	6.3	23 57 16.843	+3.0700	+0.0061	-0.0003	+ 8 24 0.70	+20.046	-0.003	+0.001	4	5.73
4521	B. D. + 7°5121.....	5.8	5.8	23 57 22.944	+3.0702	+0.0058	-0.0065	+ 7 55 47.85	+20.046	-0.003	-0.038	4	4.72
4522	B. D. + 1°4820.....	7.7*	7.7	57 39.389	3.0720	+0.0026	.....	+ 1 34 32.78	20.046	0.004	.....	4	4.76
4523	B. D. + 3°4926.....	7.9*	7.9	58 32.819	3.0718	+0.0035	.....	+ 3 21 2.32	20.046	0.006	.....	4	4.74
4524	2 Ceti.....	4.6	7.5	58 37.065	3.0749	-0.0079	+0.0013	-17 53 32.85	20.046	0.006	-0.008	56 49	6.15
4525	B. D. + 0°5084.....	8.4*	8.4	23 59 38.965	+3.0723	+0.0024	.....	+ 0 58 50.40	+20.047	-0.008	.....	4	4.73
4526	B. D. - 1°4525.....	6.3	6.3	23 59 56.193	+3.0724	+0.0013	+0.0025	- 1 3 29.45	+20.047	-0.008	-0.047	4	4.71

QB
4
W32
v.9
pt.1
cop.2

U.S. Naval Observatory
Publications. Second
series

Physical &
Applied Sci.
Serials

PLEASE DO NOT REMOVE
CARDS OR SLIPS FROM THIS POCKET

UNIVERSITY OF TORONTO LIBRARY
